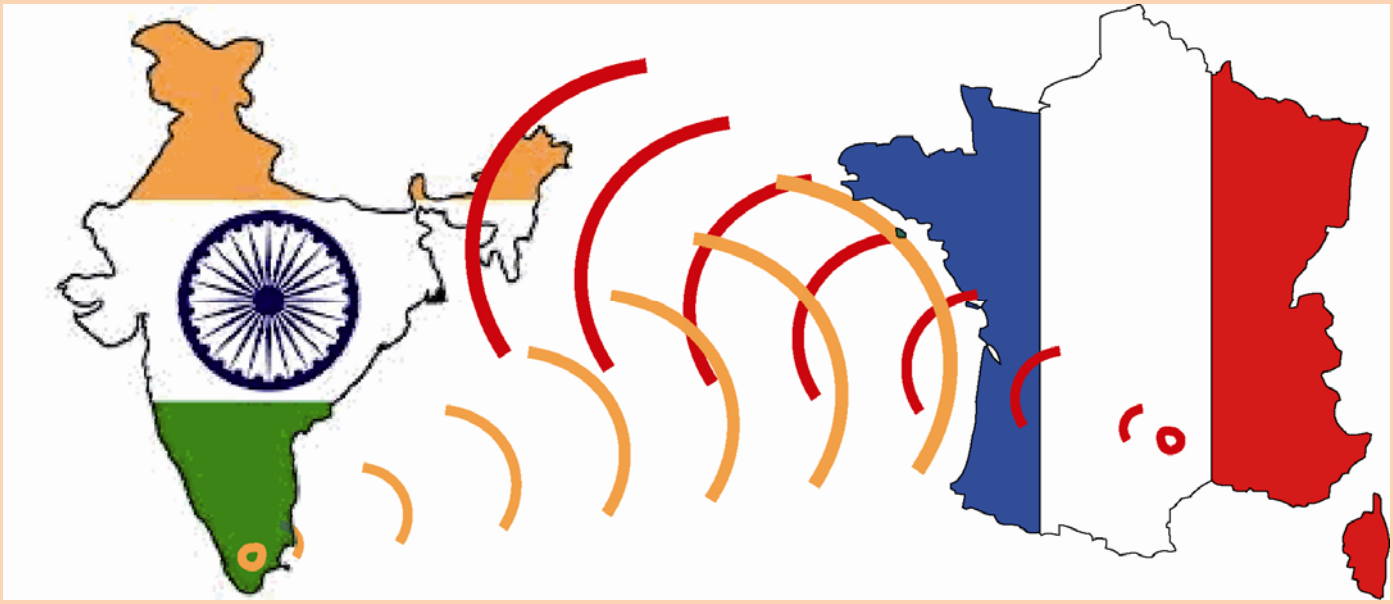
Who's Who
In
Acoustics
In
INDIA & FRANCE
2013



FOREWARD

This Directory is a tool to establish links between Indian and French Entities working in all areas of Acoustics. It can be used either by a student looking for an internship or by a Company looking for academic or Industrial partnership.

The first edition of this directory has been produced at the occasion of Acoustics 2013, New Delhi.

http://www.acoustics2013newdelhi.org/

This Conference has been organised jointly by the Acoustical Society of India (ASI) and the French Acoustical Society (Société Française d'Acoustique, SFA).

ASI website: http://acousticsindia.org/index.html

SFA website: http://sfa.asso.fr/fr/accueil

Institutions have been sorted by country in alphabetical order. When provided, the **Type of Activity** (Fundamental Research, Applied Research, Technology transfer, R&D, Production) as well as the **Areas of Activity** (Aeroacoustics, Hydro-acoustics, Building acoustics, Environmental Acoustics, Bioacoustics, Instrumentation, Signal Processing, Musical Acoustics, Physical Acoustics, Underwater Acoustics, Ultrasonics, Speech, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics, Noise) are specified for thematic search. Detailed description is also displayed (when provided).

Dr. Mahavir SINGH (ASI co-chair, Acoustics 2013 New Delhi)

Prof. Manell ZAKHARIA (SFA co-chair, Acoustics 2013 New Delhi)

Mrs. Evelyne DEWAYSE (French Acoustical Society SFA) and

Prof. Francine LUPPÉ (French Acoustical Society SFA)

INDIAN INSTITUTIONS

ABV-IIITM, GWALIOR, INDIA

Type: Academic
Activity: R&D
Area(s): Signal Processing, Speech
www.iiitm.ac.in

CONTACT

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ADDRESS

ABV-IIITM, Campus
492015, Gwalior**, INDIA**

STAFF

Total: 30, **Acousticians:** 2 Scientists, 2 Engineers, Technicians, 3 Master Students, 3 PhD students.

ACOUSTIC RESEARCH LABORATORY, DEPARTMENT OF PHYSICS, RTM NAGPUR UNIVERSITY

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Physical Acoustics, Ultrasonics

CONTACT

Dr. Omprakash CHIMANKAR
Associate Professor
Department of Physics
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@ opchimankar28@gmail.com; omprakash_chim @yahoo.co.in

Dr. Nilesh PAWAR
Lecturer
Physics
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@pawarsir1@gmail.com

ADDRESS

Amravati Road Campus
440033 Nagpur, **INDIA**

STAFF

Acousticians: 10 PhD students.

CURRICULA

Ultrasonic characterization of biomaterials, foods, drugs, polymers, nanaosuspensions.
Ultrasonic wave propagation in nanomaterials, polymer blends, luminescent materials etc.
Complex formation and phase transition studies in advanced materials.
Sonoluminescence. Acousto-optics etc. Instrumentation and computer simulation.

ACOUSTICS INDIA PRIVATE LIMITED

Type: Industry
Activity: R&D, Production
Area(s): Building acoustics, Noise Industrial Noise Control
www.acousticsind.com, www.buildingacoustics.in

CONTACT

Dineshkumar THIRUMALAISAMY
Deputy General Manager
Building acoustics division
☎+91 9363166665, +91 4312456148
@ dinesh@acousticsind.com;
buildingacoustics@acousticsind.com

Prabaharan SUBRAMANI
Manager
Building acoustics division
☎+91 9364699995, +91 4312456148
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ADDRESS

No. 377, Rajaram Salai, KK Nagar, Trichy - 620021, **INDIA**

STAFF

Total: 170, **Acousticians:** 76 Engineers, 80 Technicians

DESCRIPTION

Acoustics India Private Limited is an ISO 9001 company and an ASME authorized company for manufacturing Pressure Vessels, Heat Exchangers with "U" Designator. The company specializes in the field of Noise Control for more than twenty five years. Any kind of Noise problem can be solved by using our Noise control products like Silencers, Acoustic Hood, Sound Proof Cabins, and Building Acoustic Treatment etc. We have the state of art design facility to analyse the noise problems and arrive at a solution to achieve the desired performance.
We have supplied our products to most of the major industries like Power, Petrochemicals & Refinery, Oil & Gas, Steel, Chemicals & Fertilizers and Engineering Sector. We also do exports to various countries like Africa, Australia, Europe, US, Middle East etc.
We are also authorized by Indian Boiler Regulation (IBR) and Petroleum Explosives Safety Organization (PESO) for manufacturing Pressure Vessels and Heat Exchangers.
We also undertake projects on Turnkey basis (i.e., from concept to commissioning).

PRODUCTS & SERVICES

We are in Noise Control business for the past 25 years supplying to most of the major industries in India and abroad. We offer wide range of Building Acoustics Products and our Products are: Fabric Acoustic Panels Wooden Acoustic Panels Wood Wool Board Mineral Fibre Ceilings Metallic Perforated Ceiling Tiles Sound Diffusers / Deflectors Suspended Noise Absorbers Acoustic Movable Wall Partition Sound Proof Doors Sound Proof Windows HVAC Duct Silencers ACVS Package Noise Enclosures Vibration Isolators Seismic Restraint Products Acoustic Louvre's Audio-metric Cabin Our target segments are Auditorium Meeting Hall / Conference Hall Video Conferencing Room Class Room Acoustics Marriage / Multipurpose Halls Cinema Theatres / Multiplexes Recording Studios & Home Theatres. Commercial Office Acoustics / Interior Decoration ACVS Noise Control packages for Large ACVS Plants Star Hotels Prayer Halls, Computer Halls, Churches, Spas & Rejuvenation Centres. And also we are a leading Industrial Noise Pollution Control Equipment Manufacturer. The followings are some of our products: Silencers for Steam, Air and Process Gas Vent lines. Suction and Discharge Silencers for Compressors / Fan / Blowers Acoustic Enclosure for any Noisy machines such as Compressors, Gas / Steam Turbines, Blowers etc. Diesel Generator Silencers / Noise Enclosures. Gas Turbine Intake / Exhaust System.

AGMATEL INDIA PVT. LTD

Type: Academic, Industry
Activity: Production
Area(s): Signal Processing, Transducers & Electro-acoustics
www.agmatel.com

CONTACT

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Mukesh BHARDWAJ
DGM (Sales)
TMI
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ADDRESS

E 366, 2nd Floor, Nirman Vihar, New Delhi,
110092, New Delhi**, INDIA**

STAFF

Total: 180, **Acousticians:** 90 Engineers, 20 Technicians.

PRODUCTS & SERVICES

Teat and Measurement Division.
Agilent
Flir
Megger
Dranetz

AIMIL LTD.

Type: Industry
Activity: Technology transfer
Area(s): Aeroacoustics, Hydro-acoustics, Building acoustics, Environmental Acoustics, Bioacoustics, Instrumentation, Signal Processing, Physical Acoustics, Underwater Acoustics, Speech, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics, Noise
www.aimil.com

CONTACT

Pravesh BHAN
Joint Manager
Instrumentation
☎+91 11-30810244/01 -+91 30810244,
+91 11-26950011
@ praveshbhan@aimil.com, info@aimil.com

Hector LOBO
National Manager
Noise, Vibration and Harshness & Data Acquisition
☎+91 22-39646600,
+91 22-39646666
@hectorlobo@aimil.com

ADDRESS

Naimex House, A-8, Mohan Co-operative Industrial Estate, Mathura Road,
110044, New Delhi**, INDIA**

STAFF

Total: 740

PRODUCTS & SERVICES

Aimil Ltd. is a leading ISO: 9001 (2008) certified company, with an all-India network of ten offices, staffed and managed by more than 740 professionals with rich and varied experience in the instrumentation industry.
We represent renowned Principals from USA, Europe, and other advanced countries. The company has had a successful relationship with most of the Principals spanning number of years.
Our Product portfolio for Noise, Vibration and Harshness consist of following:
Dynamic Pressure Piezoelectric, Pressure Sensors Absolute, Piezoresistive, Isotron Accelerometers, Microphones & Sound Intensity probes, Dynamic Signal Analyzers, Torsional vibration analyser, EOL analyser and Delta (R&D) analyser for engines and Gearboxes. Non-contact Laser vibrometer, Pressure mapping, CAN based data acquisition modules, Electrical parameters monitoring, Servo Hydraulic and electrodynamics shakers and controllers, Shake tables Acoustic chambers , Anechoic Box , ME'scopeVES, and many more product related to NVH testing.
Kindly visit us at www.aimil.com for more info.
Beside these we also provide effective after sales services and application solutions. We have a dedicated Application support team to understand your requirements and help you in selecting the right instruments/solutions.

ALL INDIA INSTITUTE OF SPEECH AND HEARING

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Musical Acoustics, Speech, Sound Perception
aiishmysore.in

CONTACT

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Sreedevi
Reader in Speech Sciences
Speech-Language Sciences
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ADDRESS

Department of Speech-Language Sciences, Manasagangothri,
570006, Mysore**, INDIA**

STAFF

Total: 175, **Acousticians:** 8 Scientists

DESCRIPTION

The Institute is involved in basic and applied sciences in the area of speech production, speech physiology, speech acoustics, speech perception, language processing and suprasegmentals.

CURRICULA

Summer course
Speech signal processing
Speech processing in the auditory pathway

ARMAMENT RESEARCH AND DEVELOPMENT ESTABLISHMENT (DRDO)

Type: Academic, Industry
Activity: Applied Research, R&D, Production
Area(s): Underwater Acoustics, Transducers & Electro-acoustics, Piezoceramic material Production
Research in the field of Piezoelectric Materials and Technologies.

CONTACT

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ADDRESS

Dr. Homi Bhabha Road, DRDO Estate, Pashan, Near Pashan Circle
411021, PUNE**, INDIA**

STAFF

Total: 900, **Acousticians:** 6 Scientists, 2 Engineers, 2 Technicians

ASHOK LEYLAND LIMITED

Type: Industry
Activity: R&D, Production
Area(s): Vibro-acoustics, Noise
www.ashokleyland.com

CONTACT

Jaganmohan Rao MEDISETTI
Senior Manager
Technical centre
NVH attribute engineering
☎+91 9551093322, +91 4425398001
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Kalyan Kumar Sidram HATTI
Deputy General Manager
NVH Attribute Engineering
Technical centre, Chennai
☎+91 9840872009, +91 4425398001
@Kalyankumar.Hatti@ashokleyland.com

ADDRESS

Technical Centre, Vellivoyalchavadi
600103, Chennai**, INDIA**

STAFF

Total: 1000, **Acousticians:** 30 Engineers.

PRODUCTS & SERVICES

For over six decades, we have been moving people and goods, touching you and millions across 50 countries worldwide. Today, we are the flagship of the Hinduja Group, one of the largest commercial vehicle manufacturers in India with a turnover of US $ 2.3 billion in 2012-13 having consistently delivered profits to our stake-holders since inception.
For our customers, we are committed to provide transport solutions that offer the best operating economics while for users of our vehicles, comfort and safety. This has driven us to pioneer concepts that have become industry norms fuelled both by our robust inherent R&D capabilities and the strength of strategic alliances forged with global technology leaders.
Headquartered in Chennai, India, our manufacturing footprint is pan-India with two facilities in Prague (Czech Republic) and Ras Al Khaimah (UAE).

BASELINE TECHNOLOGIES

Type: Industry
Activity: Applied Research
Area(s): Environmental Acoustics, Instrumentation, Signal Processing, Noise
www.baselintechno.com

CONTACT

Naveen ANAND
President
☎+91 1126491612, +91 1126490287
@ marketing@baselinetechno.com

ADDRESS

2nd FL, #87 Shahpurjat, near Asiad village,
110049, New Delhi**, INDIA**

STAFF

Total: 10, **Acousticians:** 2 Engineers, 8 Technicians.

DESCRIPTION

Baseline technologies designs and manufactures sound level measurement and monitoring equipment as also vibration measuring, analysing and portable balancing equipment in India.

PRODUCTS & SERVICES

* Simple sound level meters
* Integrating sound level meters
* Data logging sound level meters
* Filters and analysers
* Acoustic calibrators
* Vibration meters
* Vibration analyser
* Portable balancers

BHARATI VIDYAPEETH DEEMED UNIVERSITY

Type: Academic
Activity: Applied Research, R&D
Area(s): Musical Acoustics, Speech, Sound Perception

CONTACT

Namita JOSHI
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School of Audiology & Speech Language Pathology
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ADDRESS

4th floor, Homeopathy Hospital building, Pune Satara Raod, Dhankawadi Capus, Pune,
411043, Pune, Maharashtra**, INDIA**

STAFF

Total: 15,

CURRICULA

School of Audiology & Speech Language pathology was started in 2006 with the aim of developing qualified manpower in the filed of Speech & Hearing in India. School is conducting following courses successfully:
BASLP, 4years Undergraduate Degree Course,
MASLP, 2 yrs, post Graduate Degree Course,
PhD. In Audiology
PhD in Speech Language Pathology

BIRLA INSTITUTE OF TECHNOLOGY, MESRA

Type: Academic
Activity: Applied Research
Area(s): Musical Acoustics

CONTACT

Soubhik CHAKRABORTY
Associate Professor
Applied Mathematics
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ADDRESS

Department of Applied Mathematics, Birla Institute of Technology, Mesra, Jharkhand
835215, Ranchi**, INDIA**

DESCRIPTION

Dr. Soubhik Chakraborty, a PhD in Statistics, is an associate professor in the department of Applied Mathematics, BIT Mesra, Ranchi, India. He has published several papers in algorithm and music analysis and is guiding research scholars in both the areas. He is a reviewer of prestigious journals like Mathematical Reviews (American Mathematical Society), Computing Reviews (ACM) and IEEE Transactions on Computers etc. besides being the Principal Investigator of a UGC major research project on music analysis in his department. He has received several awards including the prestigious Glory of India award and Rajiv Gandhi Excellence award given by India International Friendship Society and the National award for Teaching Excellence given by Indus Foundation.
He is also an amateur harmonium player.

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING (C-DAC)

Type: Industry
Activity: Technology transfer, R&D
Area(s): Signal Processing, Speech

CONTACT

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Health Informatics and Software Technology Group
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@ pbn.tvm@gmail.com

ADDRESS

Health Informatics Group, C-DAC,
695033, Thiruvananthapuram, Kerala**, INDIA**

STAFF

Total: 1000 +

DESCRIPTION

Pradeep Balachandran is a senior engineer with the Health Informatics Group of C-DAC, Thiruvananthapuram. He has been involved with research projects in the area of Hidden Markov Model based Automatic Speech Recognition, Fuzzy Logic-based Speech Segmentation and Wavelet-based Speech Enhancement. His areas of interest include speech signal processing, Bio-medical signal processing, speaker recognition, parametric speech synthesis, speech language modelling, pattern recognition, acoustic phonetics and user-cantered design for health information systems.

CENTRE FOR NANO SCIENCE & APPLIED THERMODYNAMICS

Type: Academic
Activity: Applied Research, R&D
Area(s): Bioacoustics, Instrumentation, Physical Acoustics, Ultrasonics, Noise

CONTACT

Dr. I. Johnson IRUDAYARAJ
Director, CNSAT
Associate Professor
Physics
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ADDRESS

Dept. of Physics, St. Joseph's college,
620002, TRICHY**, INDIA**

STAFF

Total: 20, **Acousticians:** 3 Scientists, 5 Master Students, 4 PhD students.

DESCRIPTION

Our Acoustical research is mainly based on and applied to Chemical Physics, bioliquids and material science

CURRICULA

Application of acoustics to Material science (PhD and Masters)
Acoustics and Chemical Physics (PhD and Masters)

COLLEGE OF FORESTRY AND HILL AGRICULTURE

Type: Academic
Activity: Applied Research, R&D
Area(s): Speech
uuhf.ac.in

CONTACT

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Department of Basic Sciences
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ADDRESS

Uttarakhand University of Horticulture and Forestry, Ranichauri,
249199, Tehri Garhwal**,** Uttarakhand, **INDIA**

COMPOSITE BOARDS PRIVATE LIMITED

Type: Industry
Activity: Production
Area(s): Building acoustics, Vibro-acoustics, noise acoustics panels for floorings
WWW.COMPOSITEBOARDS.COM

CONTACT

Aditya ROONGTA
Director - operations
Operations
☎+91 9840079760,  +91 4442011023
@ aditya@compositeboards.com

ADDRESS

169 Sydenhams Road Periamet,
600003, Chennai**, INDIA**

STAFF

Total: 120, **Acousticians:** 1 Scientist, 3 Engineers, 4 Technicians

DESCRIPTION

We manufacture sound insulation panels for metro coaches / buses / railways etc. the noise reduction required is 32db & upwards. These boards are also fire resistant.

CURRICULA

PRODUCTS & SERVICES

Sound and vibration resistant floor boards for sound reduction index up to 32db

CONCORD ELECTROCERAMIC INDUSTRIES

Type: Industry
Activity: Applied Research, Production
Area(s): Instrumentation, Underwater Acoustics, Ultrasonics, Transducers & Electro-acoustics
www.concord-piezo.com

CONTACT

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Piezo Division
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@ concord102@rediffmail.com

Mr. Gautam Kashyap
Manager-operations
Production
☎91 11 27372674, 91 11 42283654
@concord102@rediffmail.com

ADDRESS

Concord Electroceramic Industries, 102, Wazirpur industrial complex
110052, Delhi**, INDIA**

STAFF

Total: 15, **Acousticians:** 3 Engineers, 6 Technicians.

DESCRIPTION

Concord, a team of professional engineers, managers and technicians, started its journey in the fascinating area of Piezoceramic manufacture in the year 1973. Since then, the firm has evolved several Piezoelectric Compositions for a broad and continuum of applications in Defence, Industrial and Medical Ultrasonics as well as Piezo Composites, Piezo Devices and Piezo Moduli Measuring Instruments. The unit is recipient of three National Awards. Our efforts continue in the said areas to meet new challenges with the same fervour in the years to come.

CURRICULA

Preparing vocational course in piezoceramics (summer course)

PRODUCTS & SERVICES

Piezoceramics, transducers,
Industrial ultrasonic equipments
Polling set up
D33/d15/d31/dh meter
Piezo test set up
Single/multistage ultrasonic cleaner
Ultrasonic stirrer

CSIR - NATIONAL INSTITUTE OF OCEANOGRAPHY

Type: Academic
Activity: Applied Research, R&D
Area(s): Hydro-acoustics, Environmental Acoustics, Bioacoustics, Signal Processing, Underwater Acoustics
https:www.nio.org

CONTACT

Bishwajit CHAKRABORTY
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Geological Oceanography Division
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@ bishwajit@nio.org

ADDRESS

S3 B2 Purva Apartments, Martins Morod, Caranzalem, Goa
403002, Panaji**, INDIA**

STAFF

Total: 600, **Acousticians:** 5 Scientists, 2 Engineers, 1 Master Students, 2 PhD students.

CURRICULA

Graduate & Master project, PhD, National Academy Summer School, AcSIR (Professor)

CSIR-NATIONAL PHYSICAL LABORATORY

Type: Academic
Activity: Fundamental Research, Applied Research, R&D
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Physical Acoustics, Sound Perception, Vibro-acoustics, Noise, Applied Acoustics, Building Acoustics, Acoustics and Vibration Metrology, Calibration and Testing
www.nplindia.org

CONTACT

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ADDRESS

Acoustics, Ultrasonics & Vibration (AUV) Section? CSIR-National Physical Laboratory? Dr. K. S. Krishnan Road 110012, New Delhi**, INDIA**

STAFF

Total: 850, **Acousticians:** 6 Scientists, 4 Engineers, 2 Technicians, 2 PhD students.

DESCRIPTION

Main research interests are in the field of building acoustics (it is noise transmission in the audio frequencies), application of statistical energy analysis (SEA) to buildings and other structures, modelling of wall sound transmission losses using artificial neural network (ANN), noise & vibration control, calibration & testing of electro-acoustic equipments/acoustical products & devices, maintenance, up-gradation & realization of national primary standards of acoustics to establish a quality system for traceable calibration measurement service; participation in key comparison of national acoustic standards at CCUVA/APMP level with NMIs of the world and advisory technical consultancy in architectural acoustics to provide services to the industry & institution of the Country.

CUMMINS COLLEGE OF ENGINEERING PUNE

Type: Academic
Activity: Applied Research
Area(s): Musical Acoustics, Speech

CONTACT

Makarand VELANKAR
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ADDRESS

Karvenagar
Maharashtra 11030, Pune**, INDIA**

DEFENCE RESEARCH DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, GOVT OF INDIA

Type: Industry
Activity: R&D
Area(s): Hydro-acoustics, Signal Processing, Underwater Acoustics, Transducers & Electro-acoustics, Vibro-acoustics, Noise, Warship Technology, Weapon Hydrodynamics, Weapon Hydroballistics, Submersible Design & Technology Management.

CONTACT

Dr. V. Bhujanga RAO VEPAKOMMA
Director General (Naval Systems & Materials)
Department of Defence
☎+91 11 23016640, +91 11 23016706
@ vepcrew1@rediffmail.com

ADDRESS

Room NO. 29, DRDO Bhawan, Rajaji Marg,
110011, New Delhi**, INDIA**

STAFF

Total: 1700, **Acousticians:** 50 Scientists, 50 Engineers, 100 Technicians.

DESCRIPTION

Design and Development of various stealth technologies for warship, submersible and submarine systems. Design and Development of acoustic silencers, acoustic hoods and acoustic enclosures for marine application. Design and Development of composite marine propellers, marine blowers, composite engine shaft etc. for noise reduction. Various Shock and Vibration mounts for marine application. Design and Development of Transducers for sonar/Torpedo homing. Development of Signal Processing techniques. Noise signature measurements of ships and submarine.

CURRICULA

MSc Physics (Acoustics)
MS (Mechanical Engineering)
PhD (Mechanical Engineering)
PhD (Technology Management)

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer, R&D, Production
Area(s): Signal Processing, Sound Perception, Noise.
www.scmipr.org

CONTACT

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@bharti_rokade@yahoo.co.in

ADDRESS

Department of Computer Science and Information Technology, Maharashtra, India.,
431004, Aurangabad**, INDIA**

The research Lab System Communication and Machine Learning Research Laboratory (SCM-RL) is established. Eleven Research scholars are working in this research laboratory for their PhD and M.Phil. Six scholars devoted their work in the field of Acoustic (S

STAFF

Total: 15, **Acousticians:** 1 Scientists, 2 Engineers, 1 Technicians, 8 PhD students.

CURRICULA

This Department are proposed the PhD, M.Phil courses.

ELECTRO MECHANICAL ENTERPRISES

Type: Industry
Activity: Applied Research
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Instrumentation, Signal Processing, Physical Acoustics, Transducers & Electro-acoustics, Noise
www.emeindian.co.in

CONTACT

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ADDRESS

B -75 SECTOR 88, Industrial Area Phase Ii
201305, NOIDA**, INDIA**

STAFF

Total: 10, **Acousticians:** 1 Scientist, 3 Engineers, 1 Technician

DESCRIPTION

CURRICULA

PRODUCTS & SERVICES

Noise mapping software acoustic test and measurement instruments products noise barriers, anechoic chamber vibration meter sound level meter, calibration instruments

ENVIROSPRAY PTY LTD

Type: Industry
Activity: Production
Area(s): Building acoustics
www.envirospray300.com.au; www.thermacoustic.com.au

CONTACT

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ADDRESS

9, "Steesha", Mount Mary Hill, Bandra,
400050, MUMBAI**, INDIA**

STAFF

Total: 25, **Acousticians:** 2 Engineers, 2 Technicians

DESCRIPTION

Spray Applied Absorbers for Reverberation Control & High Transmission Loss Assemblies.

PRODUCTS & SERVICES

Spray Applied Absorbers for Reverberation Control & High Transmission Loss Assemblies.
Trade Names:
1. Envirospray 300
2. Thermospray 800
3, Thermacostic TC 417

FACILITY FOR RESEARCH IN TECHNICAL ACOUSTICS (FRITA)

Type: Academic
Activity: Fundamental Research, Applied Research, R&D
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Vibro-acoustics, Noise
www.mecheng.iisc.ernet.in/~frita, www.iisc.ernte.in

CONTACT

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@ munjal@mecheng.iisc.ernet.in

Veerababu DHARANALAKOTA

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@vrujntukkd@gmail.com; veeru@mecheng.iisc.ernet.in

ADDRESS

Indian Institute of Science,
560012, Bangalore**, INDIA**

STAFF

Total: 5, **Acousticians:** 4 Scientists, 1 Technicians, 8 Master Students, 8 PhD students.

DESCRIPTION

Facility for Research in Technical Acoustics (FRITA), funded by Department of Science and Technology of the Government of India, has been functioning in the Department of Mechanical Engineering, Indian Institute of Science, Bangalore, since 1998. General objectives of FRITA include R & D work in Engineering Acoustics, Industrial consultancy on noise control, teaching short-term as well as regular courses, and development of quieter technologies.

CURRICULA

The following courses have been offered every year to graduate students since 1998:
1. Industrial noise control
2. Acoustics of ducts and mufflers,
3. Fundamentals of acoustics
4. Structural acoustics
5. Vibrations of plates and shells.
6. Nonlinear Oscillations.

G V P COLLEGE OF ENGINEERING

Type: Academic
Activity: Applied Research, R&D
Area(s): Aeroacoustics, Hydro-acoustics, Vibro-acoustics, Noise
https://www.google.co.in

CONTACT

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5associte Professor
Mechanical Engineering
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@ shinagamsai@gmail.com

ADDRESS

Madhurawada, Andhra Pradesh,
530048, Visakhapatnam**, INDIA**

STAFF

Total: 15, **Acousticians:** 2 Master Students, 2 PhD students.

GURU NANAK INSTITUTIONS TECHNICAL CAMPUS

Type: Academic
Activity: Applied Research, R&D
Area(s): Ultrasonics
www.gniindia.org

CONTACT

Dr Venkata Ranganayakulu SEGU
Dean (Research & Faculty Development)
Research & Development
☎+91 9866532613, +91 40 27892633
@ deanrnfd@gniindia.org

ADDRESS

Andhra Pradesh, India,
501506, Ibrahimpatnam, Hyderabad**, INDIA**

STAFF

Total: 300, **Acousticians:** 2 Scientists, 5 Engineers, 15 Technicians, 2 PhD students.

DESCRIPTION

Centre for Non Destructive Evaluation is established in the year 2012. Presently two projects are executing in the area of Non Destructive Evaluation. One project is sanctioned by BRFST under Department of Atomic Energy and another project is sanctioned by AICTE under Research Promotion Scheme. Two Junior Research Fellows are working in the lab. 8 students of Aeronautical and Metallurgical Eng. branches submitted projects as part of the curriculum. Presently, 8 students of ECE branch are pursuing projects in the lab.

CURRICULA

Proposing 2 weeks training programme on NDT level - II certification

INDIAN INSTITUTE OF SCIENCE

Type: Academic
Activity: Fundamental Research, Applied Research, R&D
Area(s): Aeroacoustics, Bioacoustics, Instrumentation, Signal Processing, Physical Acoustics, Underwater Acoustics, Ultrasonics, Transducers & Electro-acoustics, Vibro-acoustics, Noise Energy Harvesting, acoustic imaging
http://www.iisc.ernet.in

CONTACT

Debiprosad ROY MAHAPATRA
Assistant Professor
Department of Aerospace Engineering
☎+91 8022932419, +91 8023600134
@ droymahapatra@aero.iisc.ernet.in

ADDRESS

560012, Bangalore**, INDIA**

STAFF

Total: 35, **Acousticians:** 15 Scientists, 2 Master Students, 8 PhD students.

DESCRIPTION

The group at IISc lead by Prof. D. Roy Mahapatra is involved in a number of activity including fundamental aspects of guided ultrasonic wave propagation in materials, acoustic wave based diagnosis, Laser Doppler acoustic imaging, shock wave related phenomena, nonlinear acoustics and metamaterials, transducers and material characterization at nano, micro and macro scales, fluid acoustics and hydrodynamics/aerodynamic and underwater sonar. Several advanced instrumentations for design of experiments are carried out with theoretical and computational investigation.

CURRICULA

Smart Structures, Wave propagation and Structural Health Monitoring course are offered at graduate level. Courses are designed for industry participants based on the background of the participants which could be for practicing engineer or advanced researchers.

INDIAN INSTITUTE OF SCIENCE (IISC)

Type: Industry
Activity: Applied Research, R&D
Area(s): Vibro-acoustics

CONTACT

Mallikarjun Naik NENAVATH
Scientist 'C'
Mechanical Engineering
☎+91 9440596307, +91 4024306261
@ mallikarjun_mech@yahoo.co.in

ADDRESS

ENTES, Research Centre Imart, Vignyana kanch
500069, Hyderabad**, INDIA**

STAFF

Acousticians: 5 Scientists

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Type: Academic
Activity: Applied Research, R&D
Area(s): Aeroacoustics, Bioacoustics, Signal Processing, Underwater Acoustics, Speech, Sound Perception
care.iitd.ac.in

CONTACT

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Rajendar BAHL
Professor
Centre for Applied Research in Electronics
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@rbahl@care.iitd.ac.in

ADDRESS

Hauz Khas,
110016, New Delhi**, INDIA**

STAFF

Total: 10 (in CARE, IIT Delhi), **Acousticians:** 3 Scientists, 4 Master Students, 4 PhD students.

DESCRIPTION

The Signal Processing Group of Centre for Applied Research in Electronics, IIT Delhi works in Underwater Acoustics including Communications, Passive Detection and Localization, Marine Bio-Acoustics, Speech Processing including Objective Speech Quality Evaluation Algorithms, Speech Synthesis, Multi-Lingual Keyword Spotting, and Aero-Acoustics including Detection and Localization of Snow Avalanches.

CURRICULA

We take students for Master of Technology and PhD who are interested in the above areas. We can also offer short-duration specialized training courses in the above areas.

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Type: Academic
Activity:
Area(s): Environmental Acoustics, Signal Processing, Noise

CONTACT

Naresh TANDON
Professor
ITMMEC (Industrial Tribology, Machine Dynamics
and Maintenance Engineering Centre)
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@ ntandon@itmmec.iitd.ernet.in

ADDRESS

Hauz Khas,
110016, New Delhi**, INDIA**

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Type: Academic
Activity: Applied Research
Area(s): Aeroacoustics

CONTACT

SP SINGH
Professor
Department of Mechanical Engineering
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@ singhsp@mech.iitd.ac.in

ADDRESS

IIT Hauz Khas
110016, New Delhi**, INDIA**

STAFF

Total: 34, **Acousticians:** 2 Scientists 1 PhD students.

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer, R&D
Area(s): Building acoustics, Environmental Acoustics, Instrumentation, Signal Processing, Underwater Acoustics, Transducers & Electro-acoustics, Vibro-acoustics, Noise Automotive Engine Diagnostics Automotive NVH, Numerical Vibro-Acoustics, Acoustical Materials, Sound Quality
www.iitkgp.ac.in; www.iitnoise.com

CONTACT

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AMIYA MOHANTY
Professor
Mechanical Engineering
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@amohanty@mech.iitkgp.ernet.in

ADDRESS

721302, Kharagpur**, INDIA**

STAFF

Acousticians: 1 Scientists, 1 Engineers, 1 Technicians, 2 Master Students, 8 PhD students.

DESCRIPTION

State-of-the-art NVH Laboratory.
Conduct Industrial Sponsored and Consultancy projects in the area of noise and vibration control.
Research collaborations with universities from Sweden, France, UK, USA and Singapore.

CURRICULA

Vibration and Noise Control
Acoustics and Noise Control
Machinery Fault Diagnosis & Signal Processing
Mechatronics
Wave Propagation and Dynamics
Mechanical Vibration Analysis

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Type: Academic
Activity: Applied Research
Area(s): Speech

CONTACT

K. Sreenivasa RAO
Associate Professor
School of Information Technology
☎+91 3222 282336
@ ksrao1969@gmail.com

ADDRESS

721302, Kharagpur**, INDIA**

STAFF

Acousticians: 10 Master Students, 4 PhD students.

INDIAN INSTITUTE OF TECHNOLOGY MADRAS (IIT MADRAS)

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Aeroacoustics, Hydro-acoustics, Building acoustics, Signal Processing, Vibro-acoustics, Noise Sound-Structure Interaction, Statistical Energy Analysis

CONTACT

Sadagopan (S.) NARAYANAN
Professor
Mechanical Engineering
☎+91 4422574668,  +91 4422574652
@ narayans@iitm.ac.in

ADDRESS

Machine Design Section
600036, CHENNAI**, INDIA**

STAFF

Total: 20, **Acousticians:** 9 Scientists, 40 Master Students, 15 PhD students.

DESCRIPTION

IIT Madras has been in the fore front of research in acoustics, noise control and vibration for the last 50 years. Research in acoustics span a wide spectrum of theoretical acoustics, noise control, sound-structure interaction, vibro-acoustics, architectural acoustics, underwater acoustics, combustion and flow acoustics, vibration and acoustic condition monitoring, speech and signal processing and is carried out in the departments of Mechanical Aerospace, Civil, Electrical, Computer Science and Ocean Engineering departments of the institute.

CURRICULA

Courses are mainly offered in IIT Madras at the Master's level in Machinery Acoustics and Noise Control, Vibration, Random Vibration, Signal Processing, Condition Monitoring, Aero-Acoustics and Architectural Acoustics. A number of continuing education programmes have been conducted for industrial participants as well as faculty from other institutions in these areas. Large number of sponsored research projects and industrial consultancy projects has been carried out. More than 100 Master level students and 25 PhD research scholars have graduated with projects done in acoustics.

INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH

Type: Academic, Industry
Activity: Applied Research, Technology transfer, R&D
Area(s): Signal Processing, Physical Acoustics, Ultrasonics
www.igcar.gov.in

CONTACT

Palanichamy Perumal
Scientific Officer
Non-destructive Evaluation Division
☎+91 44 27480232, +91 44-27480356
@ ppc@igcar.gov.in

ADDRESS

603102, Kalpakkam**, INDIA**

STAFF

Total: 5000, **Acousticians:** 3 Scientists, 11 Engineers, 3 Technicians, 5 Master Students, 3 PhD students.

DESCRIPTION

Indira Gandhi Centre for Atomic Research at Kalpakkam is the pioneer Institute in India to develop and apply advanced Ultrasonic Non-destructive Testing techniques in nuclear and other modern industries. Later, application of ultrasonics has been extended to the characterization of material microstructures (such as grain size, precipitates, etc.) and residual stress measurements especially in welded components. Our Centre also encourages mutually beneficial Research Collaboration with Universities, Educational Institutes and Industries and offer liberal funding through Board of Research in Nuclear Sciences.

INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY

Type:
Activity: Applied Research, R&D
Area(s): Bioacoustics, Instrumentation, Ultrasonics, Transducers & Electro-acoustics, Noise Industrial applications of ultrasound, Sonoreactor development

CONTACT

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Formerly Scientist-G
Instrumentation
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ADDRESS

(P. O) KIIT Campus, Nandankhanan Road, Patia,, Bhubaneswar – 751024, Orissa
530002, Visakhapatnam**, INDIA**

STAFF

Total: about 350, **Acousticians:** 2 Scientists, 2 Engineers, 2 PhD students.

DESCRIPTION

IMMT involved in developing technologies suiting for mineral based industries. So industrial (devises) applications of ultrasound in different fields; and in medical field have been designed, developed, patented and also implemented in several industries.
*Developed an acoustic liquid burner, studied atomization of viscous liquid fuels, prepared water-oil emulsions ultrasonically, combustion performance studies in an industrial scale for fuel saving. Technology implemented in HCL, TISCO, SAIl, BALCO etc.
* Development of nanocavitation reactor for water-oil emulsion preparation
* Developed Sono-reactors for sludge & water treatment.
* Modelling of sound pressure field distribution in different sonoreactors, finds utility in scaling up studies.
* Influence of ultrasound on conventional chemical leaching as well as bio-leaching applications for improved metal recoveries from lean grade ores and complex ores.
*Ultrasonic de-watering and drying of coal, minerals, ores and other granular materials.
*Extraction of materials [e.g. Coffee; Pharmaceuticals from plant materials] by ultrasonic application.
* Developed an ultrasonic therapy unit.
*Developed an ultrasonic technique for improvement of fungal strain and growth enhancement.
* Synergistic enhancement of antibiotic activity by ultrasound
*Studied the effect of ultrasound on the anti-biogram of Vibiro Cholerae and the influence of ultrasound to reduce the enzymes activity in Tripchophylin Rubrum.
*Developed an acoustic sparger for fine bubble generation and tested for its use in column flotation to improve the floatability of coal and other minerals. Also enhanced recoveries of high ash Indian coals by ultrasonic treatment.
*Evaluated the grindability index of minerals through the study of cavitation erosion rate by ultrasonics.
* Studied noise impact assessment in Port and Mine areas: evaluated noise levels of motor vehicles of different categories through inter-conversions.
*Sound speed measured in liquids like fluorocarbons, refrigerants, higher alcohols, aqueous solutions, liquid mixtures etc.
*Acoustic non-linearity parameter (B/A) was evaluated in a number of liquids, liquid mixtures, liquefied gases and liquid metals.
*New correlations were proposed for predicting metals density, thermal conductivity, sound speed etc., in liquids.
* Ultrasonic attenuation and relaxation studies conducted for evaluating certain thermodynamic parameters.
* Particle size measurement in slurries & emulsions thru UAS (ultrasonic attenuation spectrometry) & UVS
* Innovative uses of ultrasound complimented by nanotechnology especially on ZnO synthesis doped divalent impurities.
* Industrial scale applications of Ultrasound for coal washing, Sonocrystallisation studied.
* Worked on Potential uses of ultrasound in aquaculture manly to enhance fish mass

JADAVPUR UNIVERSITY

Type: Academic
Activity: Applied Research, R&D
Area(s): Vibro-acoustics

CONTACT

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@ parthasatrajita@gmail.com; r_partha_bhattacharya@civil.jdvu.ac.in;

ADDRESS

188, Raja S. C. Mallik Road
700032, Kolkata**, INDIA**

STAFF

Total: 20, **Acousticians:** 25 Master Students, 20 PhD students.

JADAVPUR UNIVERSITY

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Signal Processing, Musical Acoustics, Speech, Sound Perception, Noise Music perception and cognition

CONTACT

Ranjan SENGUPTA
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Sir C V Raman Centre for Physics and Music
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Asoke Kumar DATTA
Senior Guest Researcher
Sir C V Raman Centre for Physics and Music
☎+91 9836691446
@dattasoke@gmail.com

ADDRESS

West Bengal, India,
700032, Kolkata**, INDIA**

STAFF

Total: 5, **Acousticians:** 4 Scientists, nil Engineers, 1 Technicians, 4 PhD students.

CURRICULA

Only fundamental and applied research

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

Type: Academic
Activity:
Area(s): Signal Processing, Speech

CONTACT
Rajesh Kumar DUBEY
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Electronics and Communication Eng.
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@ rajeshk_dubey@yahoo.com, rajesh.dubey@jiit.ac.in

ADDRESS
A-10, Sector-62,
201307, Noida**, INDIA**

KNAUF AMF INDIA PVT LTD

Type: Industry
Activity: Production
Area(s): Building acoustics, Environmental Acoustics, Musical Acoustics, Physical Acoustics, Speech, Sound Perception, Noise
www.amfceilings.com

CONTACT

T J DSOUZA
Director - Operations
Marketing & Sales
☎+91 22 32944032, +91 22 66756585
@ teddy.dsouza@amfceilings.co.in

ADDRESS

B/107, Navkar Chambers, Opp S M Centre, Andheri Kurla Road, Andheri East,
400059, Mumbai**, INDIA**

STAFF

Total: 9, **Acousticians:** 5 Engineers

DESCRIPTION

For many years AMF has been one of the leading producers of Performance Ceilings in Europe. Knauf AMF products which offer both aesthetic and cost effective solutions are the first choice wherever high technical requirements have to be met. Knauf AMF is considered the market leader in special ceiling systems for fire protection, acoustics & hygiene. Knauf AMF is represented all over India by our network or distributors. Heradesign, a brand of AMF are Wood Wool boards used on the walls and ceilings as optimal acoustic solutions.

PRODUCTS & SERVICES

- Supply & installation of mineral fibre ceiling tiles
- Supply & installation of wood wool boards for walls & ceilings

KOOL PACK & ALLIED INDUSTRIES

Type: Industry
Activity: R&D, Production
Area(s): Building acoustics, Environmental Acoustics
http://www.himalyanacoustics.com

CONTACT

MR. Mohit MUNSHI
CEO

☎9816044049
@ kpaidharampur@gmail.com

Mr. Rajiv SETHI
Agm. Marketing
Sales & Marketing
☎9501812233
@rajiv@kpaiindia.com

ADDRESS

Subathu Road, Dharampur, Teh. & Distt. Solan Himachal Pradesh,
173209, Dharampur -Solan**, INDIA**

STAFF

Total: 50

DESCRIPTION

Himalayan Acoustics is the Brand of Kool Pack & Allied Industries, manufacturing Wood Fibre Cement Composite Boards and Tiles. We manufacture ceiling tiles, sound proof tiles, wall tiles, wood wool cement boards. The Wood Fibre are uniquely tailored and bonded with cement composites.

PRODUCTS & SERVICES

Acoustic Insulation and Sound Proofing
Thermal Insulation
Fire Resistant
Termite and Vermin Resistant

LARSEN AND TOUBRO CONSTRUCTION LIMITED

Type: Industry
Activity: Applied Research
Area(s): Building acoustics, Environmental Acoustics, Vibro-acoustics, Noise

CONTACT

Khaleelur Rahaman INDIAN
Acoustics Designer
Centre for excellence and futuristic development
☎+91 9840973516
@ khaleelab@gmail.com

ADDRESS

10, 10th Street, Balaji Nagar, Adambakkam
600088, Chennai**, INDIA**

STAFF

Total: 15, **Acousticians:** 1 Scientists, 2 Engineers

PRODUCTS & SERVICES

Acoustical design and detailing
Acoustical modelling and simulation
Noise and vibration analysis and control
Noise monitoring

LMS INTERNATIONAL

Type: Industry
Activity: Fundamental Research, Applied Research, Technology transfer, R&D, Production
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Instrumentation, Signal Processing, Transducers & Electro-acoustics, Vibro-acoustics, Noise
www.lmsintl.com

CONTACT

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Technical Manager
Test Division
☎+91 8040786800, +91 8040786820
@ s.kumaraswamy@lmsintl.com

ADDRESS

No. 36B, Crown Point
Lavelle Road, Kasturba Road Cross,
560001, Bangalore**, INDIA**

DESCRIPTION

LMS delivers a unique combination of virtual simulation software, testing systems, and engineering services. We are focused on the mission critical performance attributes in key manufacturing industries: structural integrity, system dynamics, handling, safety, reliability, comfort and sound quality. LMS has the experience, unique competences and award-winning solutions that empower an innovative way of engineering.

PRODUCTS & SERVICES

Acoustic measurement system (FFT/Octaves)
Acoustics material & component testing (STL/SAC)
Sound Power Testing (Pressure, Intensity & Array based)
Pass by Noise Testing (Exterior & In room)
Sound Source Localization (Beamforming, Holography, SoundBrush)
Vibro-acoustic engineering (Modal Analysis, Transfer Path Analysis)

LMS INTERNATIONALP.S.SUBRAMANIAN ASSOCIATES

Type: Industry
Activity: Applied Research, R&D
Area(s): Building acoustics, Vibro-acoustics, Noise
www.pssassociates.in

CONTACT

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Architectural, Building Acoustics, Electro Acoustics
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ADDRESS

Old#4, new#7, First Street, K.V. Colony, West Mambalam,
600033, Chennai**, INDIA**

STAFF

Total: 65, **Acousticians:** 5 Scientists, 20 Engineers, 25 Technicians, 15 Master Students, 2 PhD students.

DESCRIPTION

Involved in the architectural, building cum electro-acoustics of functional spaces, long spaces-like airports, metro stations and stadiums across asia-pacific

MONASTERY OF NOSSA SENHORA DO PILAR

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Building acoustics

CONTACT

Menino Allan S. M. Peter TAVARES
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Center for Conservation of Worship Acoustical Heritage
☎+91 9604060237
@ allan.wholysound@gmail.com

ADDRESS

Tiswadi Taluka, Goa
403203, Pilar**, INDIA**

STAFF

Total: 1, **Acousticians:** 1 Scientist

N. S. SCIENCE AND ARTS COLLEGE,

Type: Academic
Activity: R&D
Area(s): Ultrasonics

CONTACT

Gajendra BEDARE
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Physics Department
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@ gr.bedare@gmail.com

ADDRESS

Sane Guruji Colony, Railway Station Road, Bhadrawati Dist – Chandrapur, Maharashtra State, 442902, GRB, Bhadrawati**, INDIA**

STAFF

Total: 16, **Acousticians:** 2 Master Students.

NATIONAL INSTITUTE OF OCEAN TECHNOLOGY

Type:
Activity: R&D
Area(s): Underwater Acoustics, Bioacoustics, Signal Processing, Noise

CONTACT

KANNAN RAJA
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Ocean Acoustics Group

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Project Scientist

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ADDRESS

Tambaram-Velachery main road, Pallikaranai, Tamil Nadu
600100, Chennai**, INDIA**

STAFF

Total: 25, **Acousticians:** 4 Scientists, 6 Engineers, 5 Technicians.

DESCRIPTION

Acoustical study on biological species, like fishes and marine mammals,
Noise measurement and characteristics of shallow water ocean

NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

Type: Academic
Activity: Fundamental Research, R&D
Area(s): Signal Processing, Speech, Sound Perception
www.nits.ac.in

CONTACT

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@b.ujwala@gmail.com

ADDRESS

NIT Silchar Assam
788010, SILCHAR**, INDIA**

STAFF

Total: 250, **Acousticians:** 4 Scientists, 2 Engineers, 2 Master Students, 3 PhD students.

DESCRIPTION

We are working in the area of speaker identity especially
Speaker transformation
Speaker verification
Speaker identification
Moreover we are also looking into the areas such as
Emotion classification control and conversion
Language Identification.

CURRICULA

Master
M Tech degree in Communication and Signal Processing Engineering.
PhD
In any areas of speech Processing
Image Processing and Communication Engineering
Sumer Courses Nil at present

NAVAL MATERIALS RESEARCH LABORATORY

Type:
Activity: R&D
Area(s): Underwater Acoustics, Transducers & Electro-acoustics
www.drdo.org

CONTACT

Dr. Durga Prasad CHADALAPAKA
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Nitin Madhusoodan GOKHALE
Scientist 'G'
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@gokhale@nmrl.drdo.in

ADDRESS

Additional Ambernath, Shil-Badlapur Road, MIDC Area, Anand Nagar PO, Thane District, Maharashtra, 421506, AMBERNATH**, INDIA**

STAFF

Total: 250, **Acousticians:** 4 Scientists, 2 Engineers, 4 Technicians

DESCRIPTION

This lab is working for the development of novel materials for transducer applications specifically towards development of advanced sonars. Piezoelectric ceramic and composite materials with exceptional piezoelectric and electro acoustic properties have been developed using conventional and non conventional processing methods.

NAVAL PHYSICAL AND OCEANOGRAPHIC LABORATORY

Type: Industry
Activity: Applied Research, R&D
Area(s): Hydro-acoustics, Instrumentation, Signal Processing, Underwater Acoustics, Ultrasonics, Transducers & Electro-acoustics, Vibro-acoustics

CONTACT

S Anantha NARAYANAN
Director
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D EBENEZER
Associate Director
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ADDRESS

Defence Research & Development Organisation, Ministry of Defence, A6 Samyuktha Residency, Chathanvelimukal, Thrikkakara
682021, Kochi**, INDIA**

STAFF

Total: 250, **Acousticians:** 20 Scientists, 15 Engineers, 15 Technicians

DESCRIPTION

NPOL is a SONAR laboratory associated in the design, fabrication and acoustical evaluation of transducers. Has materials science group for the development of transducer encapsulation materials, adhesives, etc.
MEMS: Natarajan VENKAT, natarajan@npol.drdo.in; atarajan_vinay@yahoo.com, + 91 4842571258

NAVAL SCIENCE & TECHNOLOGICAL LABORATORY (NSTL)

Type:
Activity: Applied Research, R&D
Area(s): Hydro-acoustics, Underwater Acoustics, Vibro-acoustics, Noise

CONTACT

Ganesh Kumar PAKKI
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Vibration & Noise
☎+91 891 2586390, +91 891 2559464
@ ganeshkumar.pvs@nstl.drdo.in

ADDRESS

Vigyan Nagar,
530027, Visakhapatnam**, INDIA**

STAFF

Acousticians: 15 Scientists, 10 Engineers

DESCRIPTION

Activities in acoustics are broadly related to research and development on under water acoustics and vibro- acoustics. Charter involves design and development of vibration and noise reduction methodologies for sea borne vehicles. Laboratory is also involved in environmental testing of equipment such as vibration, shock, bump, temperature etc., the lab is also working on transducer design and development. The laboratory has facilities such as anechoic chamber and reverberation room to carry out airborne noise testing. The lab is recognised by noise pollution control board as one of the certifying authorities for noise labelling of equipment. The lab offers consultancy services for environmental tests and noise audit.

NAVAL SCIENCE & TECHNOLOGICAL LABORATORY (NSTL)

Type: Academic, Industry
Activity: R&D
Area(s): Aeroacoustics, Hydro-acoustics, Signal Processing, Underwater Acoustics, Vibro-acoustics

CONTACT

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Scientist'D'
Vibration Studies Division,
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@ ramki_40@rediffmail.com

ADDRESS

N Defence Research & Development Organisation (DRDO), Vigyan Nager, Andhrapradesh 530027, Visakhapatnam**, INDIA**

STAFF

Total: 5, **Acousticians:** 6 Scientists.

DESCRIPTION

We are responsible for development of stealth products to control vibration & Acoustics and also responsible for vibration measurement and analysis for various stealth products and under water weapon systems.

NIT CALICUT

Type: Academic
Activity: Fundamental Research, R&D
Area(s): Aeroacoustics, Hydro-acoustics, Signal Processing, Noise, Jet Noise

CONTACT

Sarvoththama JOTHI TJ
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Department of Mechanical Engineering
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@ tjsjoth@nitc.ac.in

ADDRESS

Thermal Sciences Lab
625009, Calicut**, INDIA**

NOWROSJEE WADIA COLLEGE

Type: Academic
Activity: Applied Research
Area(s): Building acoustics, Instrumentation, Signal Processing, Musical Acoustics

CONTACT

Keith DESA
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Physics
☎+91 9823028426
@ keithdesa@gmail.com

ADDRESS

19 Late Principal V K Joag Rd
411001, PUNE**, INDIA**

STAFF

Total: 15, **Acousticians:** 4 Scientists, 50 Master Students, 3 PhD students.

CURRICULA

Fundamentals of Acoustics
Advanced acoustics: transducers
Ultrasonics etc

PANJAB UNIVERSITY

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Physical Acoustics

CONTACT

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Suraj GOYAL
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Mathematics
Department of Mathematics
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ADDRESS

Kuppili Chandigarh (UT)
160014, CHAMNDIGARH**, INDIA**

STAFF

Total: 16, **Acousticians:** 2 PhD students.

PERARINGAR ANNA TECHNICAL UNIVERSITY, GUINDY, CHENNAI 600025

Type: Academic
Activity: Applied Research, Technology transfer
Area(s): Environmental Acoustics, Bioacoustics, Instrumentation, Signal Processing, Musical Acoustics, Physical Acoustics, Speech, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics, Noise
//www.pudumaipittancreativities.org

CONTACT

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Department of Media Sciences & Communication Studies.
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Darshika Subramaniam Ravi VRIDHACHALEM
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Arts and Commerce, Management Studies & Law
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ADDRESS

Door No. 21 MIG Block No. 13, Third Loop Street, TNHB Colony, Kottur Gardens .,.
600085, CHENNAI, TAMILNADU STATE.**, INDIA**

STAFF

Total: ten, **Acousticians:** 2 Scientists, 1 Engineer, 7 Technicians, 1 Master Student's..

DESCRIPTION

As students of sound and transmission of sound waves, we are deeply interested in the impact of digital technologies and artificial intelligence studies. Human speech is unique in many ways and it is best understood, interpreted by other humans. Yet now a days with many advancements in speech synthesis it should become possible to involve machines especially computers in the process of communication and instantaneous interpretation. We are keen to explore more and more of that technology.

CURRICULA

Exploring Theoretical and Applied Curricular Designs for furthering knowledge on Speech Synthesis.

PT RAVISHANKAR SHUKLA UNIVERSITY

Type:
Activity: Fundamental Research, Applied Research
Area(s): Signal Processing, Underwater Acoustics, Speech
www.prsu.ac.in

CONTACT

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School of Studies in Electronics and Photonics
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ADDRESS

C/o Shri J N Thakur, Advocate, Near Doodhadhari Mandir, Mathpara,,
492001, Raipur, Chhattisgarh**, INDIA**

STAFF

Total: 2, **Acousticians:** Scientists, 1 Engineers, 1 PhD students.

PUNJABI UNIVERSITY

Type: Academic
Activity: Applied Research
Area(s): Speech
http://punjabiuniversity.ac.in/pbiuniweb/pages/departments/biodata/forensicscience/rmsharma.pdf

CONTACT

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Department of Forensic Science
☎+91 9417092234, +91 1752283073
@ rmsforensics@gmail.com; rmsforensics@pbi.ac.in

ADDRESS

147002, PATIALA**, INDIA**

DESCRIPTION

Heading a strong research group working on multidimensional and complex science involved in determining whether a suspect's voice truly matches forensic speech samples, collected by law enforcement and counter-terrorism agencies that are associated with the commission of a terrorist act or other crimes.

CURRICULA

Master, PhD programs in Forensic Science

RAJALAKSHMI SCHOOL OF ARCHITECTURE

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Building acoustics, Environmental Acoustics, Noise
http://architecture.rajalakshmi.org/

CONTACT

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Madhanraja SANTHANAM
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Architecture
@architectmadhan@gmail.com

ADDRESS

Rajalakshmi Nagar, Thandalam.
602105, Chennai**, INDIA**

STAFF

Total: 13, **Acousticians:** 1 Scientist, 10 Engineers.

RAMCO INSTITUTE OF TECHNOLOGY

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Physical Acoustics, Ultrasonics

CONTACT

Dr.Venkatramanan KANNAN
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Department of Physics
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ADDRESS

104, R,R,NAGAR, K.R.NAGAR POST
626108, Rajapalayam**,** Tamilnadu State**; INDIA**

STAFF

Total: 21,

DESCRIPTION

We are actively involved in
Molecular interaction studies of liquid mixtures using ultrasonic and related techniques.
Compatibility nature of polymer blends using ultrasonic technique

RESISTOFLEX GROUP OF INDUSTRIES,[RESISTOFLEX (P) LTD.-RPL & RESISTOFLEX DYNAMICS (P) LTD. - RDPL]

Type: Industry
Activity: R&D
Area(s): Building acoustics, Vibro-acoustics, System design, Manufacturing and Marketing of Vibration & Shock isolation systems.
www.resistoflex.in

CONTACT

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Vibration Engineering Dept.
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Ratish JAIN
Managing Director
Administrative Dept. Corporate office
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@sales@resistoflex.in

ADDRESS

B-103 , Sector 5,
201 301, NOIDA - U.P. near Delhi-U.P. Border**, INDIA**

STAFF

Total: 40, **Acousticians:** 1 Scientist, 2 Engineers, 2 (Processing &Testing) Technicians

DESCRIPTION

Industry-Academia oriented Joint collaboration :
1.Dept of Earthquake Engineering, Indian Institute of Technology, I IT Roorkee, for Earthquake Protection of buildings.
2. Dept. of Mechanical Engineering, I.I.T. Kanpur for joint work in the field of Vibration Isolation, Damping, Smart materials and Nano-Technology and to provide industrial guidance to students.

PRODUCTS & SERVICES

Product range includes- Air Springs, Rubber mounts, Spring Damper Systems, Wire rope isolators, Silent block bushes, Pads, Buffers, Machine mounts, Expansion joints, Hangers
Interested to explore and expand the facilities of testing the attenuation of Vibration isolators in 1/3 octave band up to 10 KHz
Industry- Academia oriented joint work for developing materials for isolating the structure borne vibration.

RONDO METAL SYSTEMS

Type: Industry
Activity: Production
Area(s): Building acoustics
www.rondo.com

CONTACT

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Country Manager
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@ craig.keen@rondo.co.in

Krishnakumar MENON
Sales & Marketing Manager
Sales & Marketing
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@kumar.menon@rondo.co.in

ADDRESS

J-21, MIDC Taloja, Tal. Panvel, District Raigad - 410208,
410208, Navi Mumbai**, INDIA**

STAFF

Total: 30, **Acousticians:** Scientists, 6 Engineers

PRODUCTS & SERVICES

Rondo offers total building solutions in drywall and false ceiling systems, and has been working with key hospitality, infrastructure, healthcare, industrial & residential clients and developers to offer superior acoustic and fire-rated walls and ceilings to make their building envelope a better place to work and live in.

S. M . MOHOTA COLLEGE OF SCIENCE

Type: Academic
Activity: Fundamental Research
Area(s): Bioacoustics, Physical Acoustics, Ultrasonics
www.mohotasci.edu.in

CONTACT

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P. G. Department of Physics
☎+91 9763187401,
@ ramtekejitendra@yahoo.com

ADDRESS

305 Nirman Enclave, 86 Gajanan Nagar
440015, Nagpur**, INDIA**

STAFF

Total: 160, **Acousticians:** 1 Scientist, 3 PhD students.

SCHOOL OF BIOTECHNOLOGY, MGNIRSA, DR.D.SWAMINADHAN RESEARCH FOUNDATION (DSRF)

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Hydro-acoustics, Bioacoustics, Physical Acoustics, Ultrasonics, Speech
http://mgnirsa.ac.in/

CONTACT

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ADDRESS

FLAT 201, Chaitanya Estates, M.I.G. -515 K.P.H.B. Colony, Phase-1,Near Venkateswara Temple, 500085, HYDERABAD, Andhra Pradesh State**, INDIA**

STAFF

Total: 55, **Acousticians:** 5 Scientists, nil Engineers, 15 Technicians, 40 Master Students, 15 PhD students.

SEETHALAKSHMI RAMASWAMI COLLEGE

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Physical Acoustics, Ultrasonics
info@srcollege.edu.in

CONTACT

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DR. E. Jasmine Vasantharani EBENESAR
Associate Professor & Research Advisor
Physics
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@jasstephen@gmail.com; jasstephen@yahoo.com

ADDRESS

620002, Tiruchirappalli**, INDIA**

STAFF

Total: 105, **Acousticians:** 2 Scientists, 5 Master Students, 7 PhD students.

DESCRIPTION

Fundamental parameters are measure for liquid medium ultrasonic interferometer is used to measure ultrasonic velocity. Spectroscopic technique are also adopted pulsecometer is also used for comparative study.

SIDDAGANGA INSTITUTE OF TECHNOLOGY

Type: Academic
Activity: Fundamental Research, Applied Research, R&D
Area(s): Signal Processing, Speech
www.sit.ac.in

CONTACT

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@hyrkswamy@gmail.com

ADDRESS

Karnataka
572103, Tumkur**, INDIA**

STAFF

Total: 30, **Acousticians:** Scientists, 2 Engineers, 4 Master Students, 2 PhD students.

SNOW AND AVALANCHE STUDY ESTABLISHMENT (SASE), DRDO

Type:
Activity: Applied Research, R&D
Area(s): Signal Processing, Physical Acoustics

CONTACT

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Material Science & Modelling Division
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ADDRESS

Him Parisar, Plot no 1, Sector 37 a,
160036, Chandigarh**, INDIA**

SOUND SENSE

Type: Academic, Industry
Activity: Fundamental Research, Applied Research, R&D, Production
Area(s): Building acoustics, Environmental Acoustics, Musical Acoustics, Speech, Sound Perception, Hearing research and consultancy ,Language deficits and enhancements, Communication research and training, Music therapy, Audio-related services

CONTACT

Punita SINGH
Consultant Researcher Trainer
☎+91 9811082867
@ punita@gmail.com

ADDRESS

16 Gauri Apartments, 3 Rajesh Pilot Lane
110011, New Delhi**, INDIA**

DESCRIPTION

Sound Sense: Consultancy Research Training
Bridging the Science and Art of Communication
A range of skills, services and solutions related to speech, hearing, language, communication, music, audio and acoustics

STRUCTURAL SOLUTIONS PRIVATE LIMITED

Type: Industry
Activity:
Area(s): Aeroacoustics, Hydro-acoustics, Building acoustics, Environmental Acoustics, Instrumentation, Underwater Acoustics, Transducers & Electro-acoustics, Vibro-acoustics, Noise
www.stsols.com

CONTACT

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Ma GAFFAR
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@magaffar@stsols.com

ADDRESS

3-6-271 Sudheer Tapani Towers, Himayathnagar,
500029, Hyderabad**, INDIA**

STAFF

Total: 30, **Acousticians:** Scientists, 9 Engineers,

DESCRIPTION

Test and measurement sensor, instruments and system suppliers in acoustics for wide application areas

PRODUCTS & SERVICES

Microphones preamplifiers and accessories
Handheld Calibrators and Microphone Cartridge Calibration system
Audiometer Calibration System
Sound Level Meters
Building Acoustics
Omnidirectional Sound Source
Impedance Tube
Dosimeters
Human Vibration Meter
Outdoor Noise Monitoring Station for unattended operation

TATA CONSULTANCY SERVICES LTD.

Type: Industry
Activity: Applied Research
Area(s): Signal Processing, Speech, Noise
http://www.tcs.com/about/tcs_difference/innovation/tcs_labs/pages/default.aspx

CONTACT

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ADDRESS

5G4, TCS Yantra Park, Opp. Voltas HRD Compound, Subhash Nagar, Pokhran Road 2., 400601, Thane**, INDIA**

STAFF

Total: 40, **Acousticians:** 2 Scientists, 7 Engineers, 2 Master Students.

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

Type: Academic
Activity: Fundamental Research
Area(s): Speech
http://speech.tifr.res.in

CONTACT

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School of Technology and Computer Science
☎+91 2222782322
@ samudravijaya@gmail.com

ADDRESS

1 Homi Bhabha Road, Colaba,
400005, Mumbai**, INDIA**

STAFF

Total: 300, **Acousticians:** 2 Scientists, 1 Master Students.

DESCRIPTION

The group conducts research and development in several areas of Spoken Language including speech/speaker recognition, Acoustics-Phonetics, Spoken Language Resources.

THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA

Type: Academic, Industry
Activity: Applied Research, R&D
Area(s): Building acoustics, Environmental Acoustics, Instrumentation, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics, Noise, Automotive NVH
www.araiindia.com

CONTACT

Nagesh Voderahobli Karanth
Deputy Director & Head
Noise Vibration Harshness (NVH) & Computer Aided Engineering (CAE)
☎+91 2030231482 / 30231480, +91 2030231104
@ karanth.nvh@araiindia.com ; info@araiindia.com

ADDRESS

Sr. No. 102, Vetal Hill, off Paud Road, Kothrud,
411038, Pune (Maharashtra)**, INDIA**

STAFF

Total: 650, **Acousticians:** Scientists, 25 Engineers, 5 Technicians, 10 Master Students, 1 PhD students.

DESCRIPTION

NVH CAPABILITIES: Noise source identification and reduction of vehicle, systems and components using computational and experimental techniques, Torsional vibration analysis of Engine and Powertrain, Modal testing and Tyre noise evaluation, Design and optimization of Intake and Exhaust, Vehicle interior and Sound quality analysis, Acoustic material characterization and Simulation
FACILITIES: Hemi-anechoic chamber, Chassis dynamometer suitable for testing 2, 3 & 4 wheelers, Engine dynamometers of 70 & 400 kW, Back to back Reverberation chambers, Acoustic Holography with 100 Channel Data Acquisition System, Portable single point, Scanning Laser Vibrometers, Torsional Vibration measurement system

THE ENGLISH AND FOREIGN LANGUAGES UNIVERSITY

Type: Academic
Activity: Fundamental Research, Applied Research, R&D
Area(s): Signal Processing, Speech, Sound Perception
http://duttalab.wikispaces.com/

CONTACT

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Ganesh Gupta SINISETTY
Research Scholar

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ADDRESS

Andhra Pradesh,
500007, Hyderabad**, INDIA**

STAFF

Total: 200, **Acousticians:** 30 Master Students, 15 PhD students.

CURRICULA

Masters in Computational Linguistics, Masters in Linguistics, PhD (Linguistics and Phonetics)

THE NATIONAL CENTRE FOR THE PERFORMING ARTS

Type: Academic
Activity:
Area(s): ARTS ORGANISATION
www.ncpamumbai.com

CONTACT

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Programming Head-Indian Music & Research Scientist
Indian music & scientific research
☎+91 2266223722, +91 222840633
@ suvarnarao@hotmail.com

ADDRESS

NCPA Marg, nariman Point,
400021, Mumbai**, INDIA**

DESCRIPTION

We are basically a non-profit charitable arts organisation dedicated to promoting & preserving performing arts.

UNIVERSITY OF CALICUT

Type: Academic
Activity: Fundamental Research, Applied Research, R&D
Area(s): Signal Processing, Speech, Noise
http://www.universityofcalicut.info/

CONTACT

Dr. Lajish V L
Assistant Professor & Head
Department of Computer Science
☎+91 9495793094, +91 494 400269
@ lajish@uoc.ac.in

ADDRESS

Kerala 673635, Calicut**, INDIA**

STAFF

Total: 5, **Acousticians:** 1 Scientist, 5 PhD students.

DESCRIPTION

Computer-based technologies are the foundation of modern life and as a University Department we are proficient to contribute towards the advancement of the society at large. We also ensure our sincere effort to offer the best in terms of academic programmes, research activities and infrastructure including state-of-the-art laboratories. The Department with the bright young and dynamic faculty members attracts the best of students for its masters and doctoral programmes. We also aim at bringing in excellent opportunities for active institute-industry interaction and exchange programmes which will unquestionably help the students to excel in the present competitive professional life.

CURRICULA

MPhil, PhD in Computer Science (Digital Speech Processing)

UNIVERSITY OF DELHI

Type: Academic
Activity: Applied Research
Area(s): Musical Acoustics Teaching and Performing

CONTACT

Dr. Suneera Kasliwal VYAS
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Department of Music
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@ suneerakasliwal@yahoo.com

ADDRESS

C-18, Maurice Nagar,
110007, Delhi**, INDIA**

DESCRIPTION

My participation is on individual basis. I am an instrumentalist and a performing artist. My specialization is Sitar. For last 20 years I have been involved in research regarding instrumental music and musical instruments. I have written several books and articles on this subject. Lately my research is more focused on structural, manufacturing and acoustical details of Indian musical instruments. I have also worked on Rajasthani Musical Instruments, especially on string varieties. A book on Ravanhatta is published in 2009. My present work is based on acoustical problems faced by Sitar performers.

VEERANGANA AVANTIBAI GOVERNMENT DEGREE COLLEGE ATRAULI DIST ALIGARH

Type: Academic
Activity: Fundamental Research
Area(s): Speech

CONTACT

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@ rku8@rediffmail.com

ADDRESS

D 128 Ramesh Vihar, Ramghat Road
202001, ALIGARH**, INDIA**

STAFF

Total: 3, **Acousticians:** 2 PhD students.

VIDYA PRATISHTHAN'S COLLEGE OF ENGINEERING, BARAMATI

Type: Academic
Activity: Applied Research, R&D
Area(s): Hydro-acoustics, Building acoustics, Environmental Acoustics, Bioacoustics, Instrumentation, Signal Processing, Musical Acoustics, Underwater Acoustics, Speech, Transducers & Electro-acoustics, Vibro-acoustics, Noise
http://www.vpcoe.org/

CONTACT

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ADDRESS

VPCOE Vidyanagari, Baramati 413133,
413133, Baramati**, INDIA**

STAFF

Total: 100, **Acousticians:** 1 Scientist, 1 Engineer, 2 Technicians, 18 Master Students..

CURRICULA

Master, Graduate

VIKRAM SARABHAI SPACE CENTRE

Type: Industry
Activity: Applied Research, Production
Area(s): Aeroacoustics, Environmental Acoustics, Signal Processing, Physical Acoustics, Vibro-acoustics, Noise
www.vssc.gov.in

CONTACT

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ADDRESS

TERLS/VSSC, Kerala,
695022, Trivandrum**, INDIA**

STAFF

Total: 4000, **Acousticians:** Scientists, 10 Engineers.

DESCRIPTION

Involved in designing and developing acoustic protection systems for launch vehicles. Different types of designs are available. Activities on low frequency noise attenuation are progressing. Activities on vibro-acoustic modelling are under progress.

PRODUCTS & SERVICES

Acoustic blanket-both wool based and foam based, Helmholtz resonator based system

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY

Type: Academic
Activity: Applied Research
Area(s): Building acoustics, Environmental Acoustics, Sound Perception, Noise
www.vnit.ac.in

CONTACT

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ADDRESS

South Ambazari Road,
440010, Nagpur, Maharashtra**, INDIA**

STAFF

Total: 16, **Acousticians:** 1 PhD students.

DESCRIPTION

The Department was established by Madhya Pradesh Government in 1947. In the year 1960, the Diploma course in Architecture was converted into fulltime degree course. At present, department offers Undergraduate course in Architecture & Post Graduate course
Department offers undergraduate and post-graduate courses as follows -
Bachelor of Architecture (B. Arch.) - This is the basic undergraduate Program fulfilling the requirements for registering for the Architectural practice in India
Masters in Urban Planning (M. Tech.) - This is of a multidisciplinary nature, with students from Architecture, Planning, Civil, Geology, environmental, economics etc. background.
Ph D Program (Full-Time and Part-Time) - PhD. programmes are being offered focussing of Architecture, urban Design, Sustainable Development, Heritage Conservation, Planning and the like. The department has state of the art facilities for pursuing the research.
The department intends to start post-graduate course M. Arch. (Sustainable Habitat) soon.
The Department is equipped with: Climatology Laboratory, Modelling & Carpentry Workshop, Appropriate Technology & Construction Yard, Acoustics and Illumination Laboratory

VOICE AND SPEECH SYSTEMS

Type: Industry
Activity: Fundamental Research, Applied Research, R&D
Area(s): Signal Processing, Musical Acoustics, Speech, Sound Perception, Voice Diagnostics, Voice Therapy, Pronunciation Therapy, Language Therapy, Diagnosis of Central Auditory Disorders, Auditory and Cognitive Training, Forensics, Speech Analysis and Synthesis, Speech Therapy for Hard of Hearing.
www.voiceandspeechsystems.com

CONTACT

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ADDRESS

No. 53 (old), 127 (New), Temple Road, 13th Cross, Malleshwaram
560003, Bangalore**, INDIA**

STAFF

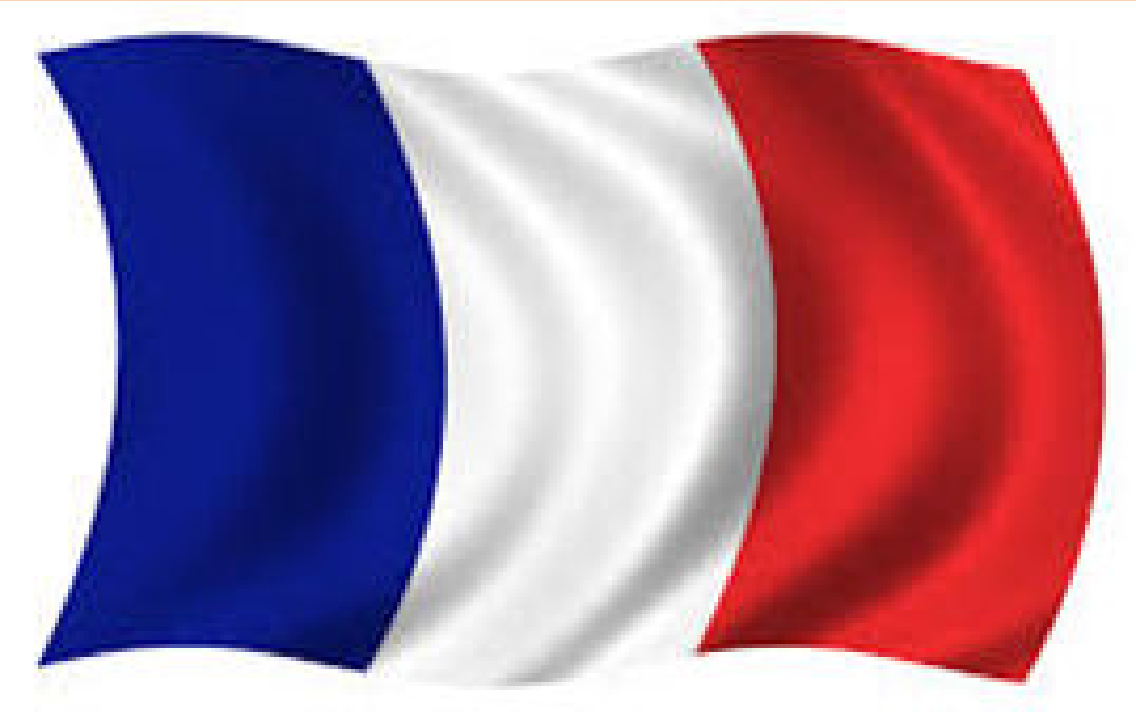
Total: 6, **Acousticians:** Scientists, 2 Engineers

DESCRIPTION

Research interest is in the area of speech signal processing specifically knowledge-based approach in acoustic-phonetics, articulatory synthesis and sound-to-form transformations .His allied interest is in the areas of yoga and philosophy.

PRODUCTS & SERVICES

The mission of VSS is to conduct basic research and constantly work towards developing and enhancing socially relevant products of service to the common people with voice, speech and language impairment; to the professionals in their daily practice; to the educational institutions for training and research. It has developed software tools in the area of voice and speech: Vagmi caters to treat common people and the hard of hearing with various voice and speech disorders both for diagnosis and therapy. Audio Lab is for diagnosis of central auditory disorders. Speech science Lab (SSL) is for speech analysis, synthesis and perception studies. Auditory and Cognitive Training Module (ATCM) is for improvement of memory. Products of VSS have been recognized by the Rehabilitation Council of India, have been cited in the Rajya Sabha Proceedings, and Vagmi was nominated for the President's award.



FRENCH INSTITUTIONS

ACOUSTIQUE & CONSEIL

Type: Industry
Activity: Applied Research, R&D, Production
Area(s): Building acoustics, Environmental Acoustics, Vibro-acoustics, Noise
www.acoustique-conseil.com

CONTACT

Eric GAUCHER
Chairman
☎+33 (0)1 47 08 52 52
@ eg@acoustique-conseil.com

ADDRESS

17/19 rue des Grandes Terres,
92500, Rueil Malmaison**, FRANCE**

STAFF

Total: 20, **Acousticians:** Scientists, 15 Engineers, 2 Technicians.

DESCRIPTION

The team of Acoustique & Conseil consists of consultants, engineers and technicians spread across several agencies in France. The projects concern: art and culture, service activities and housing, commerce and industry, education and health, aviation and land transport, urban planning and policies against noise. Our interventions are numerous in France and abroad: measurements and observations, technical advice, research project management, assistance in project management, programming, impact studies for music sites and classified facilities (ICPE), assessment and management of environmental noise.

ALCTRA RECHERCHE & DEVELOPPEMENT

Type: Industry
Activity: Applied Research, R&D
Area(s): Aeroacoustics, Hydro-acoustics, Building acoustics, Bioacoustics, Instrumentation, Signal Processing, Physical Acoustics, Underwater Acoustics, Ultrasonics

CONTACT

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Souhaier AMARA
Chef de projets
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ADDRESS

60, Bd. Henri Barbusse
93100, Montreuil**, FRANCE**

STAFF

Total: 49, **Acousticians:** 15 Scientists, 15 Engineers, 10 Technicians.

DESCRIPTION

Founded in 1981
Office in France, Middle East (Lebanon) and South America
Specific Instrumentation and acoustic and physical equipments
Acoustic chambers - reverberation chambers - technical equipments
Proto and industrial models capabilities.

PRODUCTS & SERVICES

Research & Development
Process control
Product design
NDT
Data Mining
Acoustic design

ALSF

Type: Industry
Activity: Fundamental Research, Applied Research, R&D, Production
Area(s): Hydro-acoustics, Environmental Acoustics, Instrumentation, Signal Processing, Musical Acoustics, Underwater Acoustics, Ultrasonics, Speech, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics, Noise
www.alsf-lab.com

CONTACT

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R&D Responsible
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@ acoustic@alsf-lab.com

ADDRESS

9 Avenue Marcel Perrin
95540, Mery sur Oise**, FRANCE**

STAFF

Total: 5, **Acousticians:** 2 Scientists, 1 Engineer, 1 Technician.

DESCRIPTION

1cho rejection and Intelligibility improvement for live Audio announcement for the huge spaces like old churches, sport stadiums, Theatres, Airports, Train stations, Submarines, Ships,,,
Ultrasonic Black Box tracking and detection under water

PRODUCTS & SERVICES

Modules for:
- Signal to Noise improvement for live Audio/Acoustic,
- Echo and Background Noise reduction for high quality live events.
- Background Noise reduction for high quality live SPORT events.
- To provide intelligible communications for intercom and order systems.
- For High Quality debate recording and live transmission, TV, Radio, Satellite

BRÜEL & KJAER

Type: Industry
Activity: R&D, Production
Area(s): Aeroacoustics, Hydro-acoustics, Building acoustics, Environmental Acoustics, Instrumentation, Signal Processing, Physical Acoustics, Underwater Acoustics, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics, Noise
www.bksv.fr

CONTACT

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ADDRESS

46 rue du Champoreux - BP 33,
91540, MENNECY**, FRANCE**

DESCRIPTION

Brüel & Kjær Sound & Vibration Measurement A/S supplies integrated solutions for the measurement and analysis of sound and vibration. As a world-leader in sound and vibration measurement and analysis, we use our core competences to help industry and governments solve their sound and vibration challenges so they can concentrate on their primary task: efficiency in commerce and administration.

PRODUCTS & SERVICES

Measurement front ends
Sound level meter
Noise dose meter
Transducers & Conditioning
Acoustic Transducers
Ear simulators
Analysis software
Acquisition software
Signal analysis
Acoustic software
Environment Management Solutions

CEA LIST

Type:
Activity: Fundamental Research, Applied Research, Technology transfer, R&D
Area(s): Instrumentation, Signal Processing, Physical Acoustics, Ultrasonics, Non Destructive testing Ultrasonics, Simulation, imaging, Phased-array and associated electronics, Imaging techniques
http://www-civa.cea.fr/en/; http://www-list.cea.fr/en/non-destructive-testing

CONTACT

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Alain LHEMERY
Senior expert in Non-destructive Testing
Labo. d'Integration des Systèmes Technolgiques, LIST
Dép. Instrumentation et Simulation pour le Contrôle, DISC
☎+33 (0)1 69 08 62 83, +33 (0)1 69 08 75 97
@ alain.lhemery@cea.fr

ADDRESS

DIGITEO Labs, Bat. 565,
F-91191, Gif sur Yvette**, FRANCE**

STAFF

Total: 700, **Acousticians:** 15 Scientists, 25 Engineers, 8 Master Students, 8 PhD students.

DESCRIPTION

A leader in research, development and innovation, the CEA, French Alternative Energies and Atomic Energy Commission (Commissariat à l'énergie atomique et aux énergies alternatives), is active in four main areas: low-carbon energies, information technologies and health technologies, Large Research Instruments, defence and global security. In each of these domains, the CEA relies on a high-level fundamental research and ensures a role of support to the industry. Within the CEA Technological Research Division, the CEA LIST institute carries out research on intelligent digital systems. Its R&D programs, all with potentially major economic and social implications, focus on advanced manufacturing (robotics, virtual & augmented reality, non destructive testing, vision), embedded systems (computing architectures, software and systems engineering, security & safety), and ambient intelligence (sensors, instrumentation & metrology, communication & sensory interfaces, data processing & multimedia). By developing cutting-edge technological research with applications in the industrial markets of transports, defence and security, manufacturing, energy and health, the CEA LIST helps its partners to enhance their industrial competitiveness thanks to innovation and technology transfer (www-list.cea.fr).
Development of CIVA software platform. Non-destructive testing by ultrasonic (bulk and guided waves), by eddy-currents, by radio and gammagraphy. Models (analytical, numerical) and codes. Phased-arrays: development of imaging techniques and associated electronics. Development of new methods of inspection.

PRODUCTS & SERVICES

CIVA: distributed by EXTENDE, spin-off
Electronics for Phased Arrays: M2M systems, spin-off

CELUM

Type: Industry
Activity: Applied Research, R&D
Area(s): Aeroacoustics, Signal Processing, Physical Acoustics, Underwater Acoustics, Ultrasonics wave propagation in seismic, electromagnetics.

CONTACT

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Jean-Marc DARRAS
@jean-marc.darras@celum.fr

ADDRESS

6 rue des États Généraux,
78000, Versailles**, FRANCE**

STAFF

Total: 2, **Acousticians:** 1 Scientist, 1 Engineer.

DESCRIPTION

To model media and objects
To model high frequency fields : Gaussian beam summation associated with launching rays, geometrical optics associated with wave front construction
Good knowledge of physical oceanography, geoacoustics and underwater acoustics
To evaluate sonar detection in complex environments

PRODUCTS & SERVICES

Studies
Development of computer models for wave simulation

CENTRE ACOUSTIQUE DU LABORATOIRE DE MECANIQUE DES FLUIDES ET D'ACOUSTIQUE

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Aeroacoustics, Hydro-acoustics, Environmental Acoustics, Physical Acoustics, Underwater Acoustics, Noise
http://acoustique.ec-lyon.fr

CONTACT

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ADDRESS

Ecole centrale de Lyon, 36 avenue Guy de Collongue,
69134, Ecully Cedex**, FRANCE**

STAFF

Total: 85, **Acousticians:** 14 Scientists, 3 Engineers, 2 Technicians, 15 PhD students.

DESCRIPTION

Research group specializing in aeroacoustics with top-level experimental facilities (quiet subsonic and supersonic wind tunnels).
Main activities: sound generation by flows, wall-pressure fluctuations; sound propagation (linear and non linear) in the atmosphere and the oceans. Passive and active noise control.

CURRICULA

Master degree in Acoustics
Doctoral School of Mechanical Engineering

CENTRE D'ETUDE VIBRO-ACOUSTIQUE POUR L'AUTOMOBILE ET LES TRANSPORT (CEVAA) NVH TESTING CENTER FOR AUTOMOTIVE AND TRANSPORTATION INDUSTRY

Type: Industry
Activity: Technology transfer, R&D
Area(s): Aeroacoustics, Instrumentation, Vibro-acoustics, Noise, Vibrations & Reliability
www.cevaa.com

CONTACT

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ADDRESS

2, Rue Joseph Fourier, Technopôle du Madrillet,
F-76800, Saint-Etienne du Rouvray**, FRANCE**

STAFF

Total: 15, **Acousticians:** 1 Scientists, 5 Engineers, 6 Technicians.

DESCRIPTION

CEVAA is an NVH Testing and Research Center which can offer :
* High-performance and High Tech equipments for acoustic and vibration testing.
* Very high qualified team of engineers, technicians and experts.
* ISO Certified organization with project management oriented team.
* Fully secured, confidential environment and management.
* Networking and active member of French clusters and Research organisations like Mov'eo, CARNOT Institutes, Normandie AeroEspace, Everest Team ...

PRODUCTS & SERVICES

NVH tests, expertise for Automotive and transportation Industry :
Regulation (Noise emissions, radiated noise, vibratory exposition…)
Comfort & NVH Performance (sound quality, acoustic imagery, transfer path analysis, modal analysis, operational analysis …)
Reliability testing (Powertrain, vehicle components, engine systems, electronic cards and components, mechanical parts …)
Sound proofing materials (sound insolation, absorption, damping factors …)

CENTRE DE TRANSFERT DE TECHNOLOGIE DU MANS

Type: Industry
Activity: Applied Research, Technology transfer, R&D
Area(s): Aeroacoustics, Building acoustics, Instrumentation, Signal Processing, Physical Acoustics, Transducers & Electro-acoustics, Vibro-acoustics, Noise
http://www.cttm-lemans.com

CONTACT

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ADDRESS

20, rue Thales de Milet,
72000, LE MANS**, FRANCE**

STAFF

Total: 45, **Acousticians:** 5 Scientists, 2 Engineers, 1 Technicians

CEREMA - CETE IF (CENTRE D'ÉTUDES TECHNIQUES DE L'ÉQUIPEMENT ILE DE FRANCE) CEREMA - CETE IF, (REGIONAL AND INTER-COUNTY DIRECTION FOR INFRASTRUCTURE AND PLANNING, GREATER PARIS REGION)

Type:
Activity: Applied Research, Production
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Instrumentation, Sound Perception, road and rail transportation acoustics

CONTACT

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ADDRESS

120 Rue de Paris, BP 216 Sourdun,
77467, PROVINS CEDEX**, FRANCE**

STAFF

Total: 240, **Acousticians:** 4 Technicians, 1 PhD students.

DESCRIPTION

"We are a governmental department which conduct:
transportation noise measurements and modelling (GIS) for use by local authorities (in urban planning, road design, etc.).
local studies in environmental acoustics: measurements following complaints and legal control of construction projects.
research in psychoacoustics: physical and perceptual categorisations of urban road traffic (mono and multiexposition)."

CEREMA (CENTRE D'ÉTUDES ET D'EXPERTISE SUR LES RISQUES, L'ENVIRONNEMENT, LA MOBILITÉ ET L'AMÉNAGEMENT)

Type: Academic
Activity: Applied Research
Area(s): Environmental Acoustics, Noise

CONTACT

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ADDRESS

11 rue Jean Mentelin,
67000, Strasbourg**, FRANCE**

CERMA UMR CNRS 1563 AMBIANCES ARCHITECTURALES ET URBAINES

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Building acoustics, Environmental Acoustics
http://www.cerma.archi.fr/

CONTACT

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@ pascal.joanne@cerma.archi.fr

ADDRESS

École Nationale Supérieure d'Architecture de Nantes, 6, quai François Mitterrand, BP 16202,
44262, NANTES Cedex 2**, FRANCE**

STAFF

Total: 16, **Acousticians:** 1 Scientists, 1 Engineers

CETIM

Type: Industry
Activity: Applied Research, Technology transfer, R&D
Area(s): Aeroacoustics, Hydro-acoustics, Environmental Acoustics, Signal Processing, Sound Perception, Vibro-acoustics, Noise
www.cetim.fr

CONTACT

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ADDRESS

52, avenue Félix Louat,
F-60304, Senlis**, FRANCE**

STAFF

Total: 700, **Acousticians:** 5 Scientists, 15 Engineers, 6 Technicians, 2 Master Students, 2 PhD students.

DESCRIPTION

Technical Center for Mechanical Industry.
Provides R&D and consultancy for industry.

COGNITION AUDITIVE ET PSYCHOACOUSTIQUE (CAP)
CENTRE DE RECHERCHE EN NEUROSCIENCES DE LYON (CRNL)

Type: Academic
Activity: Fundamental Research
Area(s): Sound Perception
http://crnl.univ-lyon1.fr/index.php/en/Research/Teams/10

CONTACT

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ADDRESS

Université Lyon 1, 50 av T Garnier,
69366, Lyon Cedex 07**, FRANCE**

STAFF

Total: 4, **Acousticians:** 3 Scientists, 1 Engineers, Technicians, 4 Master Students, 4 PhD students.

DESCRIPTION

Perceivers' brains track complex sound structures, keep signals in memory, learn regularities between sounds, build up knowledge and use these information to expect and anticipate future events. Our research is investigating these perceptual and cognitive expectations with their behavioural and neural correlates. The auditory materials used in our research cover complex sounds (specially constructed for the experimental purposes) as well as verbal and musical sounds and structures.

COMMINS ACOUSTICS WORKSHOP

Type: Industry
Activity: Applied Research, Production
Area(s): Building acoustics, Environmental Acoustics, Instrumentation, Musical Acoustics, Vibro-acoustics, Noise, Acoustical consultants
www.comminsacoustics.com

CONTACT

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ADDRESS

15 rue Laurence Savart,
F-75020, PARIS**, FRANCE**

STAFF

Total: 3, **Acousticians:** Scientists, 3 Engineers

DESCRIPTION

Commins acoustics workshop is an acoustical consulting company that deals with various types of problems: room acoustics, building acoustics, noise and vibration.
The thirty years experience of its staff contribute to its efficiency and to its capacity to provide adequate solutions, with due consideration to economical constraints. Its goal is excellence in acoustics.
Assuming the responsibility of a large number of projects, large and small, complex and straightforward, implies mastering measurement and analysis techniques, scale and computer acoustic models, diagnosis and acoustical design tools.

PRODUCTS & SERVICES

Commins acoustics workshop is an acoustical consulting company that deals with various types of problems: room acoustics, building acoustics, noise and vibration in construction, in industry and in the environment.

CONSERVATOIRE NATIONAL DES ARTS ET METIERS

Type: Academic
Activity: Fundamental Research, Applied Research, R&D
Area(s): Instrumentation, Signal Processing, Transducers & Electro-acoustics, Vibro-acoustics
http://www.lmssc.cnam.fr/fr/equipe/mathieu-aucejo

CONTACT

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ADDRESS

2 rue Conté,
75020, Paris**, FRANCE**

STAFF

Total: 32, **Acousticians:** 15 Scientists, 1 Engineers, 1 Technicians, 4 PhD students.

CSTB - CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT

Type: Academic, Industry
Activity: Applied Research, Technology transfer, R&D, Production
Area(s): Aeroacoustics, Hydro-acoustics, Building acoustics, Environmental Acoustics, Vibro-acoustics, Noise
http://www.cstb.fr/dae/en/home.html

CONTACT

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Acoustic Testing Laboratory
@ jean-baptiste.chene@cstb.fr

ADDRESS

84 Avenue Jean Jaurès,
77447, Champs Sur Marne**, FRANCE**

STAFF

Total: 950, **Acousticians:** 10 Scientists, 9 Engineers, 7 Technicians, 5 Master Students, 3 PhD students.

PRODUCTS & SERVICES

AcouSYS : Software dedicated to the simulation of systems (TL, Impact noise, absorption, rain noise, ...).
AcouBAT : Software dedicated to the simulation of building based on systems performances.

DCNS RESEARCH

Type: Industry
Activity: Applied Research, R&D
Area(s): Hydro-acoustics, Physical Acoustics, Underwater Acoustics, Vibro-acoustics, Noise
http://fr.dcnsgroup.com

CONTACT

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ADDRESS

Le Mourillon, BP 403,
83055, Toulon Cedex**, FRANCE**

STAFF

Total: 130, **Acousticians:** 4 Scientists, 1 Engineers, Technicians, 2 Master Students, 4 PhD students.

DESCRIPTION

DCNS Research is part of DCNS group, European leader in defence naval systems and innovator in the energy sector.
The role of DCNS Research is to develop new methods or technologies, in relationship with academic labs and other companies. The Acoustics Group deals with any problem of acoustics applied to the design or operation of naval or maritime systems.

PRODUCTS & SERVICES

Products of DCNS:
- Naval surface vessels
- Submarines
- Combat systems
- Undersea weapons and countermeasures
- Simulators
- Maintenance
- Nuclear energy
- Marine Renewable Energy

DECICAL ACOUSTIQUE SARL

Type: Industry
Activity: Production
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Noise
http://www.decical-acoustique.com/

CONTACT

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@ jf.buron@decical.com

ADDRESS

Parc d'activité du Londeau, Rue de Bel Air,
61000, Cerisé**, FRANCE**

STAFF

Total: 10, **Acousticians:** 4 Technicians

DESCRIPTION

Consulting in industrial acoustics: site study, design
.

PRODUCTS & SERVICES

Installation of acoustic panels, silencers for both indoor and outdoor applications.

DGA NAVAL SYSTEMS

Type:
Activity: Applied Research, R&D
Area(s): Hydro-acoustics, Environmental Acoustics, Signal Processing, Physical Acoustics, Underwater Acoustics, Transducers & Electro-acoustics, Vibro-acoustics, Noise

CONTACT

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Senior scientific adviser in underwater acoustics
Underwater Warfare
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ADDRESS

Avenue de la Tour Royale,
83050, TOULON**, FRANCE**

ECOLE NATIONALE SUPERIEURE DES TECHNIQUES AVANCEES (ENSTA PARISTECH)

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Aeroacoustics, Musical Acoustics, Sound Perception, Vibro-acoustics
http://ume.ensta-paristech.fr/

CONTACT

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ADDRESS

828, Boulevard des Maréchaux,
91762 Palaiseau Cedex**, FRANCE**

STAFF

Total: 25, **Acousticians:** 4 Scientists, 1 Technicians, 4 Master Students, 3 PhD students.

DESCRIPTION

UME is the Department of Mechanical Engineering at ENSTA ParisTech.
The research activities at UME are characterized by a strong multi-disciplinarity between several branches of solid and fluid mechanics: thermomechanical and multiphysics coupling, fatigue and durability of structures, acoustics and nonlinear vibrations.
These themes belong to the field of engineering sciences. To tackle the problems, a global approach is necessary where theoretical modelling, numerical formulation and experiments are mixed together.
A significant number of research results find applications in the fields of transportation, energy, environment, medicine and music.

CURRICULA

Master in acoustics and structural vibrations
PhD in acoustics and vibrations

ELNO

Type: Industry
Activity: Applied Research, R&D, Production
Area(s): Building acoustics, Signal Processing, Speech, Transducers & Electro-acoustics, Noise
http://www.elno.fr

CONTACT

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Acoustics
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ADDRESS

43 rue Michel Carré,
95100, Argenteuil**, FRANCE**

STAFF

Total: 120, **Acousticians:** 1 Scientists, 4 Engineers, 5 Technicians

DESCRIPTION

Elno is a leading company in communication offering audio ancillaries and systems for military and civilian purpose.
• Headsets/helmets
• Handsets
• Audio transducers
• Hand microphones
• Passenger information system
For more than 30 years, ELNO supplies its innovative equipment for civil aircraft,
helicopters and fighters. We develop solutions for public transportation and air traffic control. Elno is an approved provider by the aircraft manufacturers and airlines for both original equipment and maintenance.

EMA SARL
ETUDES ET MESURES ACOUSTIQUES SARL

Type: Industry
Activity: Applied Research, R&D
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Bioacoustics, Signal Processing, Musical Acoustics, Physical Acoustics, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics, Noise
www.contact@etudeacoustique.fr

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ETUDES
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ADDRESS

54 av Foch,
54000, Nancy**, FRANCE**

STAFF

Total: 2, **Acousticians:** 2 Engineers

PRODUCTS & SERVICES

Specialty: noise of wind farms.
Legal expert.
Acoustics expert from AFNOR standardization.

FEMTO-ST

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer
Area(s): Instrumentation, Signal Processing, Underwater Acoustics, Ultrasonics, Transducers & Electro-acoustics, Vibro-acoustics, Time & Frequency
http://www.femto-st.fr

CONTACT

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ADDRESS

24, rue de l'Épitaphe
25000, Besançon**, FRANCE**

STAFF

Total: 700, **Acousticians:** 15 Scientists, 3 Engineers, 2 Technicians, 6 Master Students, 10 PhD students.

DESCRIPTION

FEMTO-ST (Franche-Comté Electronique Mécanique Thermique et Optique – Sciences et Technologies) is a joint research unit which is affiliated with the French National Centre of Scientific Research (CNRS), the University of Franche-Comté (UFC), the National School of Mechanical Engineering and Microtechnology (ENSMM), and the Belfort-Montbéliard University of Technology (UTBM).
FEMTO-ST was founded in January 2004 from the merger of 5 different laboratories active in different fields of engineering science: mechanics, optics and telecommunications, electronics, time-frequency, energetics and fluidics. Within the CNRS, FEMTO-ST belongs to the Institute for Engineering and Systems Sciences (INSIS). It gathers complementary skills, develops multidisciplinarity with an emphasis on scientific excellence and innovation.
In 2006, FEMTO-ST is one of the first public research institutes in France to be awarded with the "Carnot Label" by the French Research Minister for its ability to fulfil reliable and high standard researches with industrial partners.
In 2008, the institute integrates new competences in the fields of automatic control, microrobotics, materials and surfaces and reinforces its research activities in energy.
In 2012 the LIFC laboratory joined the institute and became a new (the 7-th) department (as DISC department) which completes the FEMTO-ST already rich set of competences by the introduction of computer sciences

CURRICULA

Physical Acoustics
Structural Dynamics & Vibroacoustics
Sensors
Measurement methods and experimental techniques

FRENCH NAVAL ACADEMY RESEARCH INSTITUTE

Type: Academic
Activity: Applied Research
Area(s): Instrumentation, Signal Processing, Underwater Acoustics, Transducers & Electro-acoustics
http://www.ecole-navale.fr/-recherche-.html

CONTACT

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ADDRESS

Ecole navale/IRENav, BCRM Brest, CC 600,
29240, Brest, cedex 9**, FRANCE**

STAFF

Total: 60, **Acousticians:** 5 Scientists, 3 PhD students.

DESCRIPTION

The Research Institute of the French Naval Academy has activities in maritime sciences. Among them, researches are performed in Underwater Acoustics with focuses on these subjects: geoacoustic inversion, propagation of sound in sediment, detection of buried objects, communication with AUV. In connection with these subjects, signal processing researches are developed.

GANTHA

Type: Industry
Activity: Applied Research, Technology transfer
Area(s): Aeroacoustics, Hydro-acoustics, Building acoustics, Environmental Acoustics, Signal Processing, Noise
www.gantha.com

CONTACT

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ADDRESS

12 boulevard Chasseigne,
86000, POITIERS**, FRANCE**

STAFF

Total: 8, **Acousticians:** Scientists, 4 Engineers, 4 Technicians.

DESCRIPTION

GANTHA propose to industrial to optimize the aerodynamic and acoustic behaviour of their products thanks to the numerical simulation.
GANTHA has the experience of CFD codes and in particular the LaBS solver based on the lattice Boltzmann method. This method allows managing complex and voluminous meshing.
Gantha propose to take charge of the cleaning of your geometries, the data setting, the calculations and their post-treatments

GENERAL ACOUSTICS

Type: Industry
Activity: Applied Research, Technology transfer, R&D
Area(s): Building acoustics, Environmental Acoustics, Vibro-acoustics, Noise- Room Acoustics - Noise at Work
http://www.general-acoustics.fr/

CONTACT

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ADDRESS

159, rue La Fayette
75010, Paris**, FRANCE**

STAFF

Total: 8, **Acousticians:** Scientists, 7 Engineers.

DESCRIPTION

General Acoustics works in close cooperation with building developers, constructors, local authorities and housing associations and architects bringing advice and assistance in design and building site supervision.
General Acoustics offers 20 years of experience and a team of engineers highly qualified in noise and vibrations control as well as the optimization of sound quality.
General Acoustics is an approved organization for measuring of noise exposure in the work environment as well as impact studies on places diffusing amplified music as a usual activity, within the meaning of the Decree of the 12/15/1998. Our company is a member of the CICF (Office of Consulting Engineers of France) and of the CINOV GIAC(Acoustic Engineering Group) and is qualified under the OPQIBI.

PRODUCTS & SERVICES

- International services (France, UK, Spain)

GENESIS ACOUSTICS

Type: Industry
Activity: R&D
Area(s): Aeroacoustics, Instrumentation, Signal Processing, Physical Acoustics, Sound Perception, Vibro-acoustics, Noise- Product Sound Design
http://www.genesis-acoustics.com

CONTACT

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ADDRESS

Domaine du Petit Arbois- BP69,
13545, AIX EN PROVENCE Cedex 4**, FRANCE**

STAFF

Total: 15, **Acousticians:** 3 Scientists, 9 Engineers, 0 Technicians, 1 Master Students, 1 PhD students.

DESCRIPTION

GENESIS has been founded by a team of sound enthusiast and acoustics experts to improve the sound perception of our everyday environment: cars, trains, aircrafts, luxury goods, home appliances and also garden tools.
GENESIS offers expertise and solutions in psychoacoustics, sound quality, sound design and interactive 3D sound simulation.
GENESIS' know-how is fed on the latest technological breakthroughs achieved through partnerships with leading French and European research labs.
Applications; engine sound synthesis, 3d transaural sound, real time sound synthesis, psychoacoustics studies: methodology and results analysis, sound source separation

PRODUCTS & SERVICES

- LEA : Software for Sound Design and Psychoacoustics
- GeneCARS : sound generator for Driving Simulators
- GeneCOPTER, GeneFLIGHT : sound generators for Flight Simulators
- ASD: Engine Sound Enhancement for cars
- GeneBOX: Sound Generator for Electric vehicles
- GeneTRANS : 3D sound for soundscape restitution

GEORGIA TECH LORRAINE

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Signal Processing, Physical Acoustics, Ultrasonics, Transducers & Electro-acoustics
http://declercq.gatech.edu

CONTACT

Nico DECLERCQ
Professor
Mechanical Engineering
@ nico.declercq@me.gatech.edu

ADDRESS

2, Rue Marconi,
57070, Metz**, FRANCE**

GSII, GROUPE ESEO - LAUM UMR-CNRS 6613

Type: Academic
Activity: Applied Research
Area(s): Instrumentation, Signal Processing, Musical Acoustics, Ultrasonics
www.gsii.fr

CONTACT

Alain LE DUFF
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Electronics and Physics Department
☎+33 (0)241866712
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Romain FERON
Associate Professor
Electronics and Physics Department
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@romain.feron@eseo.fr

ADDRESS

10 Boulevard Jean Jeanneteau, CS 90717,
49107, Angers cedex 2**, FRANCE**

STAFF

Total: 100, **Acousticians:** 6 Scientists, 2 Technicians, 2 PhD students.

IFSTTAR

Type: Academic
Activity: Applied Research
Area(s): Environmental Acoustics, Noise
www.ifsttar.fr

CONTACT

Joël LELONG
Deputy Director
Environmental Acoustics Laboratory
☎+33 (0)4 72 14 24 09, +33 (0)4 72 37 68 37
@ joel.lelong@ifsttar.fr

ADDRESS

25 avenue François Mitterrand
Case 24,
69675, Bron cedex**, FRANCE**

STAFF

Total: 1300, **Acousticians:** 10 Scientists, 2 Engineers, 3 Technicians, 2 PhD students.

INSA CENTRE VAL DE LOIRE

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer
Area(s): Instrumentation, Signal Processing, Physical Acoustics, Ultrasonics, Transducers & Electro-acoustics, Vibro-acoustics, Noise, Non Destructive Testing (NDT), Nonlinear Signal Processing (with Lie Groups), Ultrasonic Imaging, Ultrasound Contrast Agents
www.insa-centrevaldeloire.fr

CONTACT

Serge DOS SANTOS
Associate Professor,
☎+33 (0)2 54 55 84 27, +33 (0)2 54 55 87 35
@ serge.dossantos@univ-tours.fr

Frédéric KRATZ
Professor, Head of the Research at INSA Centre Val de Loire

ADDRESS

3, rue de la Chocolaterie,
F-41034, BLOIS**, FRANCE**

STAFF

Total: 287, **Acousticians:** 11 Scientists, 1 Engineers, Technicians, 34 Master Students.

DESCRIPTION

4th year INSA CVL students can follow a Research Stay in the following Laboratories, with some applications in Acoustics :
- Institute of Thermomechanics of the Czech Academy of Science (Prague)
- Institute of Acoustics, University of Valencia (Gandia)
- BAM Bundesanstalt für Materialforschung und -prüfung (Berlin)

CURRICULA

5th year Engineer Curricula in Instrumentation and Automation Systems :
Courses in:
- non destructive testing
- noise
- piezoelectric materials and ultrasound systems

INSTITUT D'ELECTRONIQUE DE MICROELECTRONIQUE ET DE NANOTECHNOLOGIES (IEMN) UMR 8520 CNRS

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer
Area(s): Environmental Acoustics, Instrumentation, Signal Processing, Physical Acoustics, Underwater Acoustics, Ultrasonics, Sound Perception, Transducers & Electro-acoustics
www.iemn.univ-lille1.fr/en/

CONTACT

Bertrand DUBUS
Principal Scientist CNRS

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Sébastien GRONDEL
Professor

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ADDRESS

IEMN département ISEN
41 boulevard Vauban
59046, Lille**, FRANCE**

STAFF

Total: 272, **Acousticians:** 25 Scientists.

DESCRIPTION

Scientific activity in acoustics includes physical acoustics, modelling and applications in industrial fields such as electronics, transports and biology. It concerns both theoretical and fundamental approaches and technological innovations in the field of sensors and associated instrumentation systems.
Main research topics are related to non destructive testing and material characterization on a wide dimension scale, modelling and design of acoustic wave resonators and filters using bulk, surface acoustic waves or phononic crystals and non linear magneto-acoustics.

CURRICULA

University of Valenciennes, http://www.univ-valenciennes.fr/
Master Acoustical engineering and sensor technology (INANTEC), Level: M1-M2
Ultrasound (Non Destructive Testing and Evaluation, structural health monitoring, echography and ultrasonic medical imaging); Acoustics &ultrasonics sensors (microtechnology, microsystems); Projects in close collaboration with industry.

*Master Image and Sound Systems Engineering (ISIS), Level: M1-M2
Image and sound signals and systems (data compression, numerical video transmission); Computer science and engineering for image and sound (programming, networks); audio-visual engineering (production, post-production, broadcast); communication, financial and management aspects of image and sound engineering.
Institut Superieur d'Electronique du Nord (School of engineering) http://www.isen.fr/gb/
*Physical acoustics and electroacoustics. Level: M1 Duration: 20h
Physic of acoustic waves; Sound levels; Sound sources and sensors; Electroacoustics characterization of loudspeakers and microphones.
*Environmental Acoustics, Level: M1 Duration: 24h
Introduction to physic of noise and noise effects; Main issues in environmental noise; Measurement of noise; Passive and active methods in environmental noise control engineering.
*Acoustic signal processing and audio-engineering Level: M1 Duration: 20h,
Tools for sound signal analysis, processing and coding; Numerical filters for sound; Voice coding; Sound synthesis.
Ecole Centrale de Lille (School of engineering), http://www.ec-lille.fr/en/index.html
*Audible Acoustic and Vibrations, Level: Master 1 Duration: 32 h
Basic acoustic theory: radiation and wave propagation, elements of physiological acoustics; Room acoustics, influence of room properties on sound perception, numerical modelling; Sound and noise measurement and analysis, statistical analysis and estimation of sound level, time-frequency analyse; Modelling and measurement of vibrations; Signal processing of acoustical signals; The acoustician engineer; Visit of the National Orchestra of Lille concert hall with one of the engineer who participated to its renovation.

INSTITUT DE RECHERCHE ET COORDINATION ACOUSTIQUE/ MUSIQUE (IRCAM).

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer, R&D
Area(s): Aeroacoustics, Environmental Acoustics, Instrumentation, Signal Processing, Musical Acoustics, Physical Acoustics, Speech, Sound Perception, Transducers & Electro-acoustics, Computer science applied to music and sound processing : real-time languages and systems, multimodal HCI, computer-aided composition, artificial intelligence. Contemporary musicology.
http://www.ircam.fr

CONTACT

Hugues VINET
Scientific Director
Research and Development
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@ hugues.vinet@ircam.fr

René CAUSSE
Head of the team "Musical Acoustics"
Musical Acoustics
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@rene.causse@ircam.fr

ADDRESS

1 place Igor Stravinsky,
75004, Paris**, FRANCE**

STAFF

Total: 160, **Acousticians:** 18 Scientists, 2 Engineers, 2 Technicians, 10 Master Students, 9 PhD students.

DESCRIPTION

Joint STMS (Science and Technology of Music and Sound) lab between IRCAM, CNRS and UPMC.
Multidisciplinary research in STMS including acoustics of instruments, 3D audio and multichannel sound capture and reproduction systems, psychoacoustics, intermodal cognition, sound design, digital audio signal processing, speech processing and synthesis.
Applications to artistic creation (music, dance, drama, cinema,...) and to other application fields (automotive, transports, games, etc.) : sound synthesis by physical modelling, spatial audio, virtual reality and simulation, sound design, gesture/sound interaction.
he understanding of musical instruments is the thread that connects the research carried out in the team.
This research expands our knowledge about the multiple processes of oscillation, sound radiation, and the way the musician addresses the issue of interacting with the instrument in each case.
The applications that can be derived from our activities are, above all, musical in nature. These include the development of software for synthesis through physical modelling (Modalys) and a contribution to the improvement, advance, and innovation in the design of musical instruments.
3D audio spatialization techniques and spatial auditory cognition in the context of multi-sensory interaction. More concretely, the team concentrates on developing methods to capture, reproduce, or synthesize the spatial dimensions of a sound scene, locating the sound sources in space, and the acoustic signature of the environment. In parallel, the team studies the mechanisms used by the central nervous system to interpret acoustic spatial information and integrate it with information that comes from other sensory modalities (i.e. vision or proprioception).
Numerous software applications distributed through IRCAM Forum
http://forumnet.ircam.fr

CURRICULA

ATIAM (acoustics, signal processing and computer science applied to music) Masters course of UPMC (Université Pierre et Marie Curie - Paris 6 UPMC) with Télécom ParisTech, hosted at IRCAM.
http://www.atiam.ircam.fr

INSTITUT JEAN LE ROND D'ALEMBERT

Type: Academic
Activity: Applied Research
Area(s): Aeroacoustics, Signal Processing, Musical Acoustics, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics
http://www.lam.jussieu.fr/

CONTACT

Hugues GENEVOIS
responsible
LAM (Lutheries - Acoustique - Musique)
@ genevois@lam.jussieu.fr

ADDRESS

AA, rue de Lourmel,
75015, Paris**, FRANCE**

STAFF

Total: 13, **Acousticians:** 7 Scientists, 2 Engineers, 1 Technicians, 7 Master Students, 9 PhD students.

INSTITUT TECHNOLOGIQUE EUROPÉEN DES MÉTIERS DE LA MUSIQUE (ITEMM)

Type: Academic
Activity: Applied Research, Technology transfer, R&D
Area(s): Musical Acoustics
www.itemm.fr

CONTACT

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Pôle national d'innovation des métiers de la musique
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@marthe.curtit@itemm.fr

ADDRESS

71 avenue Olivier Messiaen,
72000, Le Mans**, FRANCE**

STAFF

Total: 36, **Acousticians:** Scientists, 2 Engineers, 1 Technician.

DESCRIPTION

ITEMM is one of Europe's leading schools for education on all technical aspects of musical instruments: repairing, tuning, restoration and the creation of guitars, wind instruments, pianos and accordions, also providing training to students on the technical aspects of sound and the music industry.
Acting as a go-between for the Arts & Skilled Crafts sector and the scientific & technical community, ITEMM works also as a research and development facility to lead innovative projects. The institute brings the latest in scientific break-throughs and discoveries to smaller businesses, allowing them to leverage the knowledge and capabilities of a well-established R&D department.

INTERAC

Type: Industry
Activity: Applied Research, Technology transfer, R&D
Area(s): Building acoustics, Environmental Acoustics, Signal Processing, Physical Acoustics, Underwater Acoustics, Vibro-acoustics, Noise
www.interac.fr

CONTACT

Gerard BORELLO
Manager
☎+33 (0)561094745, +33 (0)561746222
@ gerard.borello@interac.fr

ADDRESS

10 Impasse Borde-Basse, ZA La Violette,
31240, L'Union**, FRANCE**

STAFF

Total: 4, **Acousticians:** 3 Engineers

DESCRIPTION

Main activity is dedicated to Statistical Energy Analysis (SEA) development and applied to Aerospace, Automotive, Building, Defence, Energy, Mechanical, Railway...
SEA is a powerful technique to improve noise control by modelling high frequency response of various dynamical systems.
Using Virtual SEA (VSEA) developed by InterAC leads to cost reduction in prototyping and testing.

PRODUCTS & SERVICES

Software based on Statistical Energy Analysis (SEA):SEA+ and optional Modules (SEAVirt, SEA-Shock, SEA-Foam) to predict solution for N&V design, with SEAVirt add the power of FEM in SEA modelling
Software for Experimental solutions for N&V design: SEA-XP and SEA-TEST
Training in SEA
Participation to Research projects with ADEME
Vibroacoustics studies

IPOTAM MECAMUSIQUE

Type:
Activity: R&D, Production
Area(s): Musical Acoustics
http://mecamusique.com

CONTACT

Jacques REMUS
@ info@mecamusique.com

ADDRESS

19 rue des Frigos,
75014, Paris**, FRANCE**

DESCRIPTION

Research and developments for artistic creations with robotized acoustic music instruments

PRODUCTS & SERVICES

Sound installations with musical (mechanical) machines
Interactive sound sculptures

ISOLATION TECHNOLOGIE SERVICES

Type: Industry
Activity: R&D
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Instrumentation, Noise
www.its-acoustique.fr

CONTACT

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Development Manager
R&D
☎+33 (0)33952363531, +33 (0)33478833531
@ philippe.reynaud@its-acoustique.fr

ADDRESS

3 Route du Mont Cindre,
69450, Saint Cyr Au Mont D'Or**, FRANCE**

STAFF

Total: 1, **Acousticians:** 1 Engineer.

PRODUCTS & SERVICES

Technology and services in relation to noise control engineering: building, environment, industry, testing rooms, energy.

L'OUVROIR D'ACOUSTIQUE

Type: Academic
Activity:
Area(s): Noise, Legal expert in judiciary courts, about questions of environmental and industrial noise

CONTACT

Michel RUMEAU
☎+33 (0)178514005, +33 (0)130641044
@ mcrumeau@o-Ac.tm.fr

ADDRESS

22 rue Maurice Ravel,
78280, GUYANCOURT**, FRANCE**

STAFF

Total: 1**.**

LABORATOIRE D'ACOUSTIQUE DE L'UNIVERSITÉ DU MAINE - UMR CNRS 6613

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Bioacoustics, Instrumentation, Signal Processing, Musical Acoustics, Physical Acoustics, Ultrasonics, Transducers & Electro-acoustics, Vibro-acoustics, NoiseNDC - SHM
http://http://laum.univ-lemans.fr/

CONTACT

Joël GILBERT
Head of the lab
☎+33 (0)2 43 83 32 83, +33 (0)2 43 83 35 20
@ dirlaum@univ-lemans.fr

ADDRESS

Avenue Olivier Messiaen,
72000, Le Mans**, FRANCE**

STAFF

Total: 70, **Acousticians:** 50 Scientists, 14 Engineers, 4 Technicians, 10 Master Students, 35 PhD students.

DESCRIPTION

LAUM is a Coeducational Research unit of the Université du Maine and of the Centre National de Recherche Scientifique (UMR 6613). The enrolment of the laboratory is about 80 persons.
The activities of the Laboratory are cantered in most cases on "audible" acoustics but the laboratory has inserted new research topics for some years in the field of vibrations and ultrasounds.
Studies concern the spread of waves in fluids (in repose or in flow) and in the solid (porous, granular or composite materials, vibrating structures) as well as on the mechanisms of coupling. They have as object to understand physical phenomena by favouring the development of analytical models and of experimental studies linked to necessary numerical simulation.
Non Destructive Testing and Evaluation of complex media
Researches are performed as part of three teams specialized on complementary themes :
- Materials
- Transducers
- Vibrations, Guided Acoustics and Flow

CURRICULA

Le Mans University Undergraduate Program gives students the knowledge and technical skills in Engineering. The first year consolidates the study of mathematics and physical science. Acoustical Engineering is then one of the 3 specialisations offered by Le Mans University from year 2 to year 3. The program leads to the degrees:

Bachelor of Science in Engineering, specialisation Acoustical Engineering<http://sciences.univ-lemans.fr/Physique-Meca-acoustique>

Bachelor of Engineering, specialisation Acoustical Engineering <http://ensim.univ-lemans.fr/en/index.html>

Le Mans University Graduate Program has become one of the leading resource for graduate education in acoustics in France. The interdisciplinary program leads to the degrees:

Master of Engineering in Acoustics (M.Eng.)
Master of Science in Acoustics (M.S.)
Doctor of Philosophy in Acoustics (Ph.D.)

LABORATOIRE DE MÉCANIQUE DES SOLIDES, ÉCOLE POLYTECHNIQUE, CNRS, UMR7649

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Musical Acoustics, Transducers & Electro-acoustics, Vibro-acoustics
www.lms.polytechnique.fr

CONTACT

Xavier BOUTILLON
Directeur de Recherche
Mechanics
☎+33 (0)169335748
@ boutillon@lms.polytechnique.fr

ADDRESS

F-91128, Palaiseau Cedex**, FRANCE**

STAFF

Acousticians: 1 Scientists, 0.5 Technician, 2 PhD students.

LABORATOIRE MSME UMR CNRS 8208

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer, R&D
Area(s): Instrumentation, Signal Processing, Musical Acoustics, Physical Acoustics, Ultrasonics
http://msme.u-pem.fr/

CONTACT

Guillaume HAIAT
CR1 CNRS
@ guillaume.haiat@univ-paris-est.fr

ADDRESS

Faculté des Sciences, UPEC, 61 avenue du Général de Gaulle,
94010, Creteil**, FRANCE**

STAFF

Total: 60, **Acousticians:** 8.

LABORATOIRE NATIONAL DE METROLOGIE ET D'ESSAIS

Type: Industry
Activity: Applied Research, Production
Area(s): Environmental Acoustics, Instrumentation, Noise
lne.fr

CONTACT

Jean-Noël DUROCHER
Head Deputy for Force &associated quantities Department
Force and associated quantities Department - Acoustics
@ Jean-Noel.Durocher@lne.fr

Dominique RODRIGUES
@dominique.rodrigues@lne.fr

ADDRESS

29, avenue Roger Hennequin - 78197 Trappes cedex,
78197, TRAPPES**, FRANCE**

STAFF

Total: 800, **Acousticians:** 2 Scientists, 2 Engineers, 3 Technicians, 1 Master Students.

DESCRIPTION

For noise measurement, please contact PATRICK CELLARD.
patrick.cellard@lne.fr

PRODUCTS & SERVICES

Calibration of microphones, sound level meters, ...
Machinery noise measurement
Standardisation in acoustics field

LABORATOIRE DES SYSTÈMES ET APPLICATIONS DES TECHNIQUES DE L'INFORMATION ET DE L'ENERGIE (SATIE) - CNRS UMR 8029

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Bioacoustics, Instrumentation, Signal Processing, Physical Acoustics, Ultrasonics, Transducers & Electro-acoustics
http://www.satie.ens-cachan.fr/

CONTACT

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Loîc MARTINEZ
Assistant Professor
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ENS Cachan
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ADDRESS

5 mail Gay Lussac, Neuville-sur-Oise,
95000, Cergy-Pontoise**, FRANCE**

STAFF

Total: 160, **Acousticians:** 8 Scientists, 2 Engineers, 1 Technicians, 5 Master Students, 4 PhD students.

LABORATOIRE VIBRATIONS ACOUSTIQUE

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer
Area(s): Hydro-acoustics, Environmental Acoustics, Signal Processing, Ultrasonics, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics, Noise, Perception of vibration, Non Destructive Testing, vibration-based monitoring of rotating machines, structural health monitoring, blind source separation, system identification, noise identification, characterization of material
http://lva.insa-lyon.fr/

CONTACT

Etienne PARIZET
Director
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@ etienne.parizet@insa-lyon.fr

ADDRESS

INSA Lyon, 25 bis avenue Jean Capelle, Bâtiment Saint-Exupéry,
69621, Villeurbanne Cedex**, FRANCE**

STAFF

Total: 51, **Acousticians:** 20 Scientists, 1 Engineers, 1 Technicians, 5 Master Students, 20 PhD students.

DESCRIPTION

LVA was established in the 70s' with the goal of filling the gap between structural dynamics and acoustics. Since then, a lot of work was conducted in the field of sound radiation and transmissibility, which is still a strong topic of the research. For some years now, three other topics have been investigated : sources identification, sound and vibration perception, and non destructive testing. Nearly all studies include measurement and prediction using different techniques. Most of them are devoted to real industrial issues, so that strong relations exist between the lab. and manufacturers (especially in the transportation field).

CURRICULA

Master Vibro-acoustics (acoustics, vibrations, sound radiation, data analysis, transportation noise, sound perception)

LABORATORY OF MECHANICS AND ACOUSTICS

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Bioacoustics, Instrumentation, Signal Processing, Musical Acoustics, Physical Acoustics, Underwater Acoustics, Ultrasonics, Sound Perception, transducers & electro-acoustics, vibro-acoustics, geophysics, porous material - fractional derivatives - Biot model - temporal modelling - ultrasonic characterization, sound analysis and synthesis, high level control of sound synthesis processes, time frequency and time scale analysis, perception of complex
www.lma.cnrs-mrs.fr

CONTACT

Jean KERGOMARD
Research Director
☎33 (0) 491 16 43 81, 33 (0) 491 22 82 48
@ kergomard@lma.cnrs-mrs.fr

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Laboratory Director
☎33 (0) 491 16 40 51, 33 (0) 491 16 44 81
@lebon.dir@lma.cnrs-mrs.fr

ADDRESS

31 Chemin Joseph-Aiguier,
13402, Marseille**, FRANCE**

STAFF

Total: 90, **Acousticians:** 39 Scientists, 12 Engineers, Technicians, 10 Master Students, 36 PhD students.

DESCRIPTION

The main research topics of the laboratory are within Mechanics and Acoustics. In Mechanics, they concern the behaviour of materials, of structures and interfaces, as well as non-linear vibrations. In Acoustics, they cover large fields from wave propagation up to sounds and music processing. Waves and Imaging activities deal with wave propagation, non-destructive testing and ultrasound imaging of complex media like porous media, biological media, marine environment, geological media and other materials. Sounds activities deal with structural acoustics, active noise control, psychoacoustics, auditory perception, sound field analysis and synthesis and musical instruments.

CURRICULA

The LMA is a CNRS (National Center for Scientific Research) laboratory attached to the INSIS (Institute of Engineering Sciences and Systems) and has research agreements with Aix-Marseille University and “Ecole Centrale de Marseille”. The laboratory is heavily involved in training courses particularly in Acoustics at any faculty levels up to MSc degree as well as PhD students supervising.
Ecole Centrale Marseille: 3rd year Postgraduate French Engineering Courses in Acoustics and Industrial Vibrations (30ECTS) : Structural Acoustics and Noise Control Methods / Engineering Acoustics / Advanced Signal Processing and Psychoacoustics / Industrial Seminars - Erasmus Students Welcome
Master in Acoustics (M2 Level - 30 ECTS) at the Laboratory of Mechanics and Acoustics (Theoretical and Numerical Acoustics - Advanced Signal Processing - Psychoacoustics- Inverse Problems and Acoustic Imaging - Physics of Musical Instruments - Sound Signal Synthesis)

LABORATORY WAVES AND COMPLEX MEDIA
UMR CNRS 6294

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Instrumentation, Signal Processing, Physical Acoustics, Underwater Acoustics, Non destructive testing, Phononic and random media, Saturated fluid porous media.
http://www.univ-lehavre.fr/recherche/lomc

CONTACT

Pascal PAREIGE
Professor, Assistant director
Acoustics waves department head
Acoustics waves department
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Francine LUPPE
Professor, Assistant General Secretary of the French Acoustic Society
Acoustics waves department
☎+33 (0)2 35 21 72 69
@francine.luppe@univ-lehavre.fr

ADDRESS

Université du Havre, LOMC UMR CNRS 6294, 75 rue Bellot, CS 80 540,
76058, Le Havre**, FRANCE**

STAFF

Total: 53, **Acousticians:** 17 Scientists, 1 Engineers, 2 Technicians, 5 Master Students, 12 PhD students.

DESCRIPTION

Studies are conducted in our lab on ultrasonics wave propagation and scattering, on the behaviour of complex media and on their applications. The researches concern the development of experimental, numerical and theoretical tools appropriate to:
* The underwater acoustics detection and identification in the context of immersed marine systems (ship, marine turbine or others targets)
* The fluid saturated porous media (Biot theory) and the evaluation of transport in porous media,
* The characterization of composite or metallic materials through the detection and identification of micrometric defects of diffuse spatial repartition (porosity, aging), or of millimetric defects that are well localized (slit, deformation). The structures may be isotropic, composites, simple or assembled by sticking.
* The propagation of acoustics waves in periodic media (phononic crystals) or in random media (effective media). The aim consists in stopping, guiding, or deflecting incident wave.

CURRICULA

MASTER 2nd year ELECTRONICS, ELECTROTECHNICS, WAVES, AUTOMATICS from NORMANDY
The courses of the “Waves” speciality aim to train senior managers to acquire skills and expertise in instrumentation applied to the non-destructive control from the physics of the sensor to aspects signal processing.
http://www.univ-lehavre.fr/ulh_services/Masters-Electronique,202

LIMSI-CNRS

Type: Academic
Activity: Applied Research
Area(s): Signal Processing, Musical Acoustics, Speech

CONTACT

Olivier PERROTIN
PhD student
Communication Homme-Machine
@ olivier.perrotin@limsi.fr

Lionel FEUGERE
@lionel.feugere@gmail.com

ADDRESS

Bâtiments 508, 502bis & 512, Rue John von Neumann, Université Paris-Sud,
91403, ORSAY**, FRANCE**

STAFF

Total: 180, **Acousticians:** 60 PhD students.

DESCRIPTION

Synthesis of singing voice computed from a source-filter model, which reproduces the operation of the vocal apparatus from the vocal fold vibrations at the glottis to the filtering effect of the vocal tract.
Control in real-time of this model using the intuitive gestures of a stylus on graphic tablets to take advantage of the skills acquired by writing or drawing. The main parameters are the pitch, the vocal effort, and the articulation.

LMS, A SIEMENS BUSINESS

Type: Industry
Activity: Technology transfer, R&D
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Instrumentation, Signal Processing, Musical Acoustics, Underwater Acoustics, Sound Perception, Vibro-acoustics, Noise
www.lmsintl.com

CONTACT

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☎+33 (0)134521755
@ yohann.mesmin@lmsintl.com

Elodie LAURET
Marketing Manager
@marie-elodie.lauret@lmsintl.com

ADDRESS

2, rue René Caudron,
78960, Voisins-le-Bretonneux**, FRANCE**

DESCRIPTION

LMS, A Siemens Business, leading partner in Test and Mechatronics Simulation, works in partnership with companies in the aerospace, automotive, and other advanced manufacturing industries.
With 30 years of experience, LMS, A Siemens Business helps customers get better products to market faster and turn superior process efficiency into key competitive advantages.
With a unique combination of 1D and 3D simulation software, testing systems and engineering services, LMS, A Siemens Business tunes into mission critical engineering attributes, ranging from system dynamics, structural integrity and sound quality to durability, safety and power consumption. With multi-domain solution for thermal, fluid dynamics, electrical and mechanical system behaviour, LMS, A Siemens Business can address the complex engineering challenges associated with intelligent system design.

PRODUCTS & SERVICES

LMS, A Siemens Business has the double experience "test" and "simulation" to cover the product development cycle: from the definition and specification to the product validation.
LMS, A Siemens Business offers a unique combination of 1D (LMS Imagine. Lab AMESim : system simulation) and 3D (LMS Virtual. Lab: Performance Simulation, LMS Samtech: Structural Analyses) multiphysics simulation softwares that stands for one of LMS key offers, with applications in fluids, energy management and power train for mechatronics systems modelling and physical testing simulation (Virtual Test Rig).
The offer of LMS, A Siemens Business is also made up of integrated solutions (LMS Test. Lab) for testing and analysis in the acoustic, vibration and fatigue domains: analyser, recorder and environmental systems.
LMS Engineering Services works with customers to solve their most critical problems, optimize their development processes, or co-develop their products.

MATELYS - RESEARCH LAB

Type: Industry
Activity: Fundamental Research, Applied Research, Technology transfer, R&D
Area(s): Aeroacoustics, Building acoustics, Vibro-acoustics, Noise, Materials : porous, visco-elastic, composites ...
http://www.matelys.com/

CONTACT

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Co-manager
☎+33 (0)9 81 32 18 72, +33 (0)9 81 38 13 80
@ contact@matelys.com

ADDRESS

1 rue M.L. et L. Baumer,
69120, Vaulx-en-Velin**, FRANCE**

STAFF

Total: 4, **Acousticians:** 3 Scientists, 1 Engineers.

DESCRIPTION

MATELYS is an independent research laboratory dedicated to the study of materials. The activities cover acoustics, vibrations and thermodynamics in buildings, transportation (incl. surface, air, space and sea), domestic appliances and environment.

PRODUCTS & SERVICES

MATELYS
- characterizes materials or multi-layer treatments,
- recommends acoustical treatments independently from any manufacturers and assists the designers in the elaboration of their multi-functional specification files,
- conducts research projects in vibro-acoustics, thermodynamics and flow inside porous materials,
- digests scientific works and accompany its partners toward the autonomy,
- proposes original software products for the characterization and the prediction of the vibro-acoustic properties of multi-layer sound package based on TMM/FTMM and micro-macro approaches.

MATELYS's approach has been awarded in 2012 with the Industry Price of SFA (French Acoustical Society) and in 2011 with the Research Gold Decibel of CNB (National Council against noise).
MATELYS is accredited by the French Ministry of Research.

MICRODB

Type: Industry
Activity: Applied Research, R&D
Area(s): Aeroacoustics, Hydro-acoustics, Instrumentation, Signal Processing, Underwater Acoustics, Vibro-acoustics
www.microdb.fr

CONTACT

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Research Engineer
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Thibaut LE MAGUERESSE
@thibaut-le-magueresse@microdb.fr

ADDRESS

28 chemin du petit bois,
69130, ECULLY**, FRANCE**

STAFF

Total: 2, **Acousticians:** 3 Scientists, 4 Engineers, 3 Technicians, 2 PhD students.

DESCRIPTION

MicrodB is an SME (12 persons) specialized in acoustics and vibration. MicrodB is internationally recognized for its expertise in the field of identification, localization and quantification of noise sources. The main customers of this SME are the manufacturers and suppliers of the transportation industry. The heart of our business is service and study for acoustic sources identification for which we develop and market hardware and software tools. We are positioned between research that develops methods and industry that uses them. Our expertise is the integration of these methods in working tools.

PRODUCTS & SERVICES

MicrodB has a great expertise in acoustical imaging technologies. MicrodB has developed different tools based on different methods like acoustical holography or nearfield beamforming, identification and Directive Spherical Acoustical Array.
MicrodB has patented several innovations in that domain.

MONTPELLIER 2 UNIVERSITY, INSTITUT D'ELECTRONIQUE DU SUD

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Instrumentation, Signal Processing, Ultrasonics, Transducers & Electro-acoustics
http://www.univ-montp2.fr/; http://www.ies.univ-montp2.fr/

CONTACT

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Professor
Micro and Rheo Acoustic
@ gilles.despaux@univ-montp2.fr

ADDRESS

IES CC082, Place E Bataillon,
34095, Montpellier**, FRANCE**

STAFF

Total: 200, **Acousticians:** 8 Scientists, 2 Engineers, 2 Technicians, 10 Master Students, 7 PhD students.

CURRICULA

Doctoral Schools & Master : electrical engineering
Professional license : acoustics and sound environment

MUSÉUM NATIONAL D'HISTOIRE NATURELLE & CNRS

Type: Academic
Activity:
Area(s): Bioacoustics
http://sueur.jerome.perso.neuf.fr/

CONTACT

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Professor Assistant
Systématique et Evolution,
CNRS UMR 7205 Origine Structure et Evolution de la Biodiversité
☎+33 (0)1 40 79 33 98
@ sueur@mnhn.fr

ADDRESS

45 rue Buffon,
75005, Paris**, FRANCE**

DESCRIPTION

Research joining ecology, animal behaviour, animal evolution and acoustics

NEXTER SYSTEMS

Type: Industry
Activity: R&D, Production
Area(s): Aeroacoustics, Environmental Acoustics, Sound Perception, Vibro-acoustics
http://www.nexter-group.fr/en/subsidiaries/nexter-systems

CONTACT

Akli KHELIFI
Technical Expert - NVH
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ADDRESS

11 allée des Marronniers,
78022, Versailles**, FRANCE**

PRODUCTS & SERVICES

Defence Industry

ONERA (NATIONAL AEROSPACE RESEARCH AGENCY)

Type: Industry
Activity: Applied Research, R&D
Area(s): Aeroacoustics, Signal Processing, Vibro-acoustics, Noise
www.onera.fr/dsna

CONTACT

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Research Director
DSNA (CFD & Aeroacoustics Department)
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@ Serge.Lewy@onera.fr

ADDRESS

29 avenue de la Division Leclerc, MB 72,
92322, Châtillon**, FRANCE**

STAFF

Total: 2000, **Acousticians:** Scientists, 50 Engineers, 5 Technicians, 10 PhD students.

DESCRIPTION

Theoretical and semi-empirical predictions in aeroacoustics applied to aeronautic issues, computational aeroacoustics. Atmospheric sound propagation. Tests in static benches, in wind tunnel, and flight tests; source localization using arrays of microphones. All this is applied in three main fields:
- Aircraft noise : turbofans (fan, jet, and combustion), propellers (general aviation, propfan, contrarotating open rotors), airframe noise (high-lift devices, landing gears).
- Helicopter noise : rotors and turboshaft engines.
- Launchers (Ariane).

ORELIA SAS

Type: Industry
Activity: Applied Research, R&D, Production
Area(s): Environmental Acoustics, Bioacoustics, Instrumentation, Signal Processing, Underwater Acoustics, Sound Perception, Noise
www.orelia.fr

CONTACT

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Director
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@ Boris.defreville@orelia.fr

ADDRESS

20 Chemin des pres, 77810 THOMERY, FRANCE,
77810, THOMERY**, FRANCE**

STAFF

Total: 5,.

DESCRIPTION

ORELIA is a French innovative company specialized in hardware and software for sound analysis and recognition.
Our solutions are intended to :
►End users of security systems such as industrials, banks, sensitive sites, shops and any company that wish to detect the sounds of abnormal events to gain time on their resolution.
► Industrials concerned with condition-based maintenance and Health and Usage Monitoring Systems
►Electronic equipment manufacturers (cameras, phones, intercoms, robots and any consumer electronic device) wishing to have real-time audio analytics at-the-edge (i.e. On-Board Audio Analytics)

PRODUCTS & SERVICES

We are present in several business sectors, for the following :
► Recognizing noise sources in the environment in order to help our partners increase the well-being of citizens.
► Detecting anomalies in real time in order to increase the reactivity of video-surveillance systems and to reduce their functioning costs
► Detect abnormal sounds to prevent and detect defaults on industrial equipment

PARIS-SUD UNIVERSITY CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) UMR8195

Type: Academic
Activity: Fundamental Research
Area(s): Environmental Acoustics, Bioacoustics, Underwater Acoustics, Sound Perception
http://www.cb.u-psud.fr/

CONTACT

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ADDRESS

"Communications Acoustiques" team CNPS, Bat 446, Paris-Sud University,
91405, Orsay**, FRANCE**

STAFF

Total: 15, **Acousticians:** 14 Scientists, 1 Engineers, 3 Master Students, 6 PhD students.

DESCRIPTION

The thematic of the team is cantered on the fields of Ethology, Sensory Biology & Cognitive Neuroscience. Our research activity focuses on animal acoustic communication with 3 major topics: (1) How acoustic signals regulate the group activity in birds; (2) How social organization influences the communication systems of marine mammals;(3) How acoustic tools can be helpful for the studies of behaviour and of biodiversity.
We also perform some applied acoustic studies: Automatic Acoustic Detection of species or individuals and Bird Scaring.

CURRICULA

Master,
PhD and Doctoral schools "signalisation et neurosciences"
http://www.upsud.fr/fr/les_formations/les_formations_par_diplome/masters/biologie_sante/signalisation_et_neurosciences.html.

PASCAL GIRAULT

Type:
Activity: Production
Area(s): Building acoustics
www.acoustique-appliquee.fr

CONTACT

Pascal GIRAULT
Ingénieur-Conseil en Acoustique
Yvelines
☎+33 (0)134747107
@ pascal.girault@acoustique-appliquee.fr

ADDRESS

35 avenue de l'Europe,
78130, LES MUREAUX**, FRANCE**

STAFF

Total: 1, **Acousticians:** 1 Engineer,

DESCRIPTION

Acoustic Consultant in Building and Room acoustics

PEUTZ & ASSOCIÉS

Type: Industry
Activity: Applied Research, R&D, Production
Area(s): Building acoustics, Environmental Acoustics, Sound Perception, Vibro-acoustics, Noise
www.peutz.fr

CONTACT

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senior engineer
Acoustics
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@ m.asselineau@peutz.fr

ADDRESS

10 B rue des Messageries,
F75010, Paris**, FRANCE**

STAFF

Total: 18, **Acousticians:** 2 Scientists, 10 Engineers, 3 Technicians.

DESCRIPTION

Peutz is a European company specialized in Acoustics and building physics engineering. It is based in Netherlands, Belgium, Germany, France, also with offices in Spain and Italy. It has been participating in engineering projects but also in applied research and standardization.

PRODUCTS & SERVICES

Peutz has its own testing laboratories and has been participating in such famous projects as Kansai International Airport, Lyon Opera, Torre San Paolo, Royal Albert Hall. The scope of work can range from simple diagnosis and advising to complete missions defining the objectives, prescribing the solutions, commissioning and helping the client mastering his new project.

PIMM: LABORATOIRE DE PROCEDES EN INGENIERIE EN MECANIQUE ET MATERIAUX / PROCESS & ENGINEERING IN MECHANICS & MATERIALS

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Signal Processing, Ultrasonics, Structural Health Monitoring
http://pimm.paris.ensam.fr/en

CONTACT

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DYSCO: Dynamics, Systems, Command
@ marc.rebillat@ensam.eu

ADDRESS

Arts et Métiers ParisTech, 151 Boulevard de l'Hopital,
75013, Paris**, FRANCE**

STAFF

Total: 150, **Acousticians:** 3 Scientists, 5 Master Students, 2 PhD students.

RAMDAM

Type: Academic, Industry
Activity: Fundamental Research, Applied Research, Technology transfer, R&D, Production
Area(s): Aeroacoustics, Hydro-acoustics, Building acoustics, Environmental Acoustics, Bioacoustics, Instrumentation, Signal Processing, Musical Acoustics, Physical Acoustics, Underwater Acoustics, Ultrasonics, Speech, Sound Perception, Transducers & Electro-acoustics.
http://ramdam.univ-lemans.fr/

CONTACT

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Côme OLIVIER
PhD Student
@ramdam@univ-lemans.fr

ADDRESS

LAUM - Université du Maine - 72 085 Le Mans Cedex 9
72085, Le Mans**, FRANCE**

STAFF

Total: 100, **Acousticians:** 10 Scientists, 10 Engineers, 10 Technicians, 50 Master Students, 20 PhD students.

DESCRIPTION

The association aims at encouraging relationships between students in acoustics, teachers and professional acousticians educated in Le Mans (France) .

RATP, EURAILTEST

Type: Industry
Activity: Applied Research, Production
Area(s): Building acoustics, Environmental Acoustics, Physical Acoustics, Vibro-acoustics, Noise* Noise at work. Rolling stock noise.
www.ratp.fr; http://www.eurailtest.com/sites/en/

CONTACT

Rémy FORET
Head of Mechanical Division
Test and measurement laboratory
@ remy.foret@ratp.fr

ADDRESS

1 bis rue des Sablons,
94470, Boissy-Saint-Leger**, FRANCE**

STAFF

Total: 65, **Acousticians:** Scientists, 2 Engineers, 5 Technicians.

DESCRIPTION

Three main domains of expertise : mechanical and acoustical tests on site, mechanical expertises and controls in laboratory... on rolling stocks (metro, RER, tramway, coach) and infrastructures (tracks, catenary systems, fans, escalators...).It corresponds to :
* 900 controls (dimensional...);
* 140 expertises (non-destructive control, hardness testing, matter identification, fatigue testing, mechanical testing, endurance testing) ;
* 180 in-situ mechanical testing (environmental noise, rolling stock noise, noise at work, vibrations, stresses and strains, displacements, accelerations, video...).
Railway dynamics, Braking performances measurements, Fatigue testing, Strain measurement

PRODUCTS & SERVICES

Please visit to discover our external services : http://www.eurailtest.com/sites/en/

RÉGIE AUTONOME DES TRANSPORTS PARISIENS (RATP)

Type: Industry
Activity: Applied Research, R&D, Production
Area(s): Building acoustics, Environmental Acoustics, Signal Processing, Physical Acoustics, Sound Perception, Transducers & Electro-acoustics, Vibro-acoustics, Noise
http://www.ratp.fr/

CONTACT

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@guillaume.coquel@ratp.fr

ADDRESS

54, Quai de la Rapée,
75012, Paris**, FRANCE**

STAFF

Total: 55000, **Acousticians:** 3 Scientists, 2 Engineers, 5 Technicians.

DESCRIPTION

The Acoustics and Vibration research and engineering team of RATP deals with all vibrations and acoustics problems arising from exploitation and maintenance of large transport network (Buses, metros, suburban trains, trams, etc...)

PRODUCTS & SERVICES

Transport Company

RHEAWAVE

Type: Industry
Activity: Technology transfer, R&D, Production
Area(s): Instrumentation, Ultrasonics, Vibro-acoustics

CONTACT

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Marielle DEFONTAINE
CTO
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ADDRESS

Université F. Rabelais- UFR Médecine, Bâtiment Vialle, 7ème étage, 10 boulevard Tonnellé,
37032, Tours**, FRANCE**

STAFF

Total: 3, **Acousticians:** 2 Engineers.

PRODUCTS & SERVICES

Rheawave is a highly innovative start-up company industrializing contactless non-intrusive quality control devices for industrial production chains. Based on a patented rheological technology using coupled low-frequency and high-frequency acoustic waves, the technology particularly excels for example in detecting matter irregularities such as micro bubbles or micro cracks in solids or liquids, for sizes where imaging or other technics fail to do so. It also enables industries to dynamically follow emulsion or jellification process times, without any risk of contamination.

SECAV

Type: Industry
Activity: Fundamental Research, Applied Research, R&D
Area(s): Aeroacoustics, Hydro-acoustics, Environmental Acoustics, Signal Processing, Physical Acoustics, Underwater Acoustics, Vibro-acoustics, Noise
www.secav.fr

CONTACT

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@ contact@secav.fr

ADDRESS

27 boulevard Charles Moretti, batiment AZURBURO,
13014, MARSEILLE**, FRANCE**

STAFF

Total: 4, **Acousticians:** Scientists, 3 Engineers.

DESCRIPTION

In the field of acoustics and vibration, the company SECAV conducts studies and research to develop or improve computational techniques, modelling and diagnostics.

PRODUCTS & SERVICES

Study and control sound and vibration

SNCF INNOVATION AND RESEARCH DEPARTMENT

Type: Industry
Activity: Applied Research, R&D
Area(s): Aeroacoustics, Environmental Acoustics, Signal Processing, Sound Perception, Vibro-acoustics, Noise
https://www.recherche.sncf.com/fr/user/login#

CONTACT

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ADDRESS

40 avenue des terroirs de France 75611 Paris cedex 12,
75611, PARIS cedex 12**, FRANCE**

STAFF

Total: 160000, **Acousticians:** 4 Scientists, 6 Engineers, 2 Technicians, 2 Master Students, 2 PhD students.

PRODUCTS & SERVICES

The main objective is to reduce the noise of the railway system (rolling stock and track) in the environment and to improve the comfort of client in railway station and trains.

TANGENT'DELTA

Type: Industry
Activity: Applied Research, Technology transfer, R&D
Area(s): Aeroacoustics, Building acoustics, Environmental Acoustics, Physical Acoustics, Vibro-acoustics, Noise
http://www.tgdelta.com

CONTACT

Nicolas MERLETTE
@ contact@tgdelta.com

ADDRESS

50 rue Ettore Bugatti,
76800, Saint Etienne du Rouvray**, FRANCE**

DESCRIPTION

Tangent’delta is your expert partner in acoustics, vibration and heat transfer. Our mission is to help you in your innovative projects, in the development stages of your products, to understand and control multi-domain phenomena. We use efficient and suitable measurement and simulation equipments. The reactivity of a human-size company to serve your ambitions.

PRODUCTS & SERVICES

Characterization of materials in function of the frequency and the temperature: sound absorption coefficient, sound transmission loss, mapping loss factor, dynamic E-module, dynamic G-modulus.
Finite Element Analysis: static, vibration, acoustics, heat transfer, fluid-structure coupling, aeroacoustics.
Training to the open-source softwares Code_Aster and Salome

TRANSDERMA SYSTEMS

Type: Industry
Activity: Applied Research, R&D
Area(s): Bioacoustics, Ultrasonics
www.transderma.fr

CONTACT

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R&I Manager
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ADDRESS

10 boulevard Tonnellé,
37032, Tours**, FRANCE**

STAFF

Total: 3, **Acousticians:** 1 Scientist, 1 Engineer, 1 Technician.

DESCRIPTION

Transderma Systems is a Research and Development laboratory supporting innovation in the health and cosmetic fields. Partner of R&D services, it accompanies private companies, start-ups and public laboratories in the development and validation of their innovative products.
Composed of a team of PhDs, Transderma is recognized for its ability to fit in its client's team, its reactivity and availability. With its strong commitment and curiosity, the team has managed to retain internationally recognized companies as well as innovative small businesses.

PRODUCTS & SERVICES

With its expertise in biophysics, ultrasound & pharmacokinetics, the laboratory is involved in the validation phase of medical devices and in the design of transdermal & transungual formulations.
Specialized in ultrasound, TS develops test benches tailored to validate technical security, performance and effectiveness of dermatological and aesthetic medical devices as well as innovative "cosmetic instruments".
Our services are :
• Technical characterization of ultrasound devices: Power measurement, beam pattern, transducer impedance measurement...
• Validation of effectiveness of ultrasound devices for the penetration enhancement of cosmetics or drugs across the skin barrier.
• Validation of effectiveness of ultrasound devices to reduce the subcutaneous fat.
• Validation of compliance with international standards

UNIVERSITE DE BOURGOGNE - INSTITUT SUPERIEUR DE L'AUTOMOBILE ET DES TRANSPORTS.

Type: Academic
Activity: Fundamental Research, Applied Research, Technology transfer, R&D
Area(s): Building acoustics, Environmental Acoustics, Instrumentation, Signal Processing, Physical Acoustics, Ultrasonics, Vibro-acoustics, Noise.
Green materials
http://www.isat.fr/fr/recherche-ISAT

CONTACT

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ADDRESS

49 rue Mademoiselle Bourgeois, B.P. 31,
58027, Nevers**, FRANCE**

STAFF

Total: 29, **Acousticians:** 6 Scientists, 1 Engineers, 2 Technicians.

DESCRIPTION

The "Vibrations and Acoustics for Transportation systems" group aims at better understanding the behaviour of structures and infrastructures incorporating sound absorbing and vibration damping materials. The materials studied include viscoelastic rubbers and patches, complex materials (porous, fibrous or granular materials, or microperfated panels...). The research also include sound radiation in ducts (inlet and exhaust systems). Lightweight multifunctional materials (mechanical, acoustical and vibrational, thermal, fluid flow behaviour) are also studied for applications in transportation systems and infrastructures.

PRODUCTS & SERVICES

Sound absorption and transmission loss measurements. Free field measurements of acoustic indicators. Material characterization (mechanical and physical properties).

UNIVERSITE DE TECHNOLOGIE DE COMPIEGNE

Type: Academic
Activity: Applied Research
Area(s): Aeroacoustics, Building acoustics, Musical Acoustics, Physical Acoustics, Ultrasonics, Vibro-acoustics
http://www.utc.fr/

CONTACT

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Philippe GATIGNOL
Professor Emeritus

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ADDRESS

Centre de Recherche Royallieu, Rue Roger Couttolenc, CS 60319
60203, COMPIEGNE**, FRANCE**

STAFF

Total: 850, **Acousticians:** 8 Scientists, 1 Engineers, 1 Technicians, 2 Master Students, 12 PhD students.

DESCRIPTION

UTC is a State University delivering engineering degrees in several fields: Urban Systems, Biological, Chemical, Computer science, Mechanical Systems and Mechanical engineering.
The number of students is 4450 including300 PhD students.
Theoretical and numerical simulation of ultrasonic process for non destructive testing of materials, especially multilayered structures and composites.

CURRICULA

- Engineering degree in Acoustics and vibrations
- PhD in Advanced mechanics

UNIVERSITE LILLE NORD DE FRANCE, LABORATOIRE DE GÉNIE CIVIL ET DE GÉO-ENVIRONNEMENT

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Building acoustics, Bioacoustics, Physical Acoustics, Vibro-acoustics, Absorbent biomaterials - Metamaterials
www.lgcge.fr

CONTACT

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ADDRESS

Université d'Artois, FSA – LGCgE, Technoparc Futura,
62400, Béthune**, FRANCE**

STAFF

Total: 65, **Acousticians:** 2 Scientists, 2 PhD students.

DESCRIPTION

My initial skills concern solving Vibroacoustics problems using BEM and FEM. At first, I focused about submarine acoustic discretion. Then, I devoted my research effort to acoustic comfort in buildings. To this end, my current research interests lie in experimental characterization of absorbent biomaterials and numerical design of metamaterials.

CURRICULA

Master courses: numerical modelling of acoustics using finite element, boundary element and meshless methods.

UNIVERSITE PIERRE ET MARIE CURIE/ CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

Type: Academic
Activity: Fundamental Research
Area(s): Signal Processing, Vibro-acoustics, Physical Acoustics, Ultrasonics, Aeroacoustics, Physical Acoustics, Ultrasonics
www.dalembert.upmc.fr

CONTACT

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ADDRESS

Institut Jean le Rond d'Alembert, UMR CNRS/UPMC 7190, 4 Place Jussieu, 75252 Paris Cedex 5, France, 75005, Paris**, FRANCE**

DESCRIPTION

Currently two subjects are worked on.
1/ Inverse acoustic and vibration problems
To identify source characteristics or parameters of a medium of propagation, convex or not optimisation problems are dealt with. Moreover and overall, errors in the data have a large influence on the results provided. What confidence then can be given to the solutions found? It is by taking advantage of the geometrical interpretation of some inverse problems that I contribute to the answer. In particular when providing an acoustic image through holography, beamforming, etc… a guarantee of its quality can be given. The same type of problems also appears in vibratory structures when identifying mechanical forces.
2/ Mutiphysical coupling, presently concerning acoustic/fluid/structure
The coupling between mechanical waves has been studied since a long time. I focus on phenomena arising from such coupling in the case of acoustic and structural waves also when acoustic is transported by a moving fluid. Moreover the configuration of guided waves is currently privileged due to the acoustic attenuation it can provide. Beyond the analytical methods to approach the phenomena, numerical studies are often necessary to deal with realistic complex configurations.

CURRICULA

Master :
General acoustics
Doctoral level:
. Mechanical wave propagations
. Advanced acoustics
. Inverse acoustic problems

UNIVERSITY FRANCOIS RABELAIS OF TOURS, UMR "BRAIN AND IMAGING", INSERM U930

Type: Academic
Activity: Applied Research, Technology transfer
Area(s): Instrumentation, Signal Processing, Physical Acoustics, Ultrasonics

CONTACT

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Federic OSSANT
Leader of the research's Team: Imaging & ultrasound
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ADDRESS

Faculté de Medicine, 10 boulevard Tonnelle, BP 3223, Ecole Polytech Tours-DEE
37032, Tours**, FRANCE**

STAFF

Total: 41, **Acousticians:** 7 Scientists, 5 Engineers, 2 Technicians, 4 Master Students, 8 PhD students.

UNIVERSITY OF GRENOBLE

Type: Academic
Activity: Applied Research, Technology transfer
Area(s): Transducers & Electro-acoustics, Micro-electroacoustics transducers
http://tima.imag.fr/tima/fr/index.html

CONTACT

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TIMA Laboratory
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ADDRESS

46 Av. Felix Viallet,
38031, Grenoble**, FRANCE**

STAFF

Total: 120, **Acousticians:** 2 Scientists, 2 Engineers, 1 Master Students, 2 PhD students.

DESCRIPTION

Main activity of the Micro- & Nano-systems group:
- Electro-acoustic and electro-mechanical transducers modelling, design, and fabrication
- MEMS-based sensors and actuators
- Vibration-based energy harvesting
- RF MEMS

CURRICULA

- Master & PhD study in the field of MEMS in acoustics and ultrasound
- International Master Nanotech
(http://nanotech.grenoble-inp.fr/courses/)

UNIVERSITY TOULOUSE 3 PAUL SABATIER

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Building acoustics, Instrumentation, Musical Acoustics, Physical Acoustics, Ultrasonics
http://phase.ups-tlse.fr

CONTACT

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ADDRESS

118 route de Narbonne,
31062, Toulouse Cedex 9**, FRANCE**

STAFF

Total: 3500, **Acousticians:** 2 Scientists, 2 Technicians, 4 Master Students, 3 PhD students.

UNIVERSTIÉ FRANÇOIS RABELAIS DE TOURS (UNIVERSTIY OF TOURS) & CNRS

Type: Academic
Activity: Fundamental Research, Applied Research
Area(s): Instrumentation, Physical Acoustics, Ultrasonics, Transducers & Electro-acoustics
www.greman.univ-tours.fr

CONTACT

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ADDRESS

Bat. E Parc de Grandmont,
37200, Tours**, FRANCE**

STAFF

Total: 120, **Acousticians:** 15 Scientists, 1 Engineers, 0 Technicians, 3 Master Students, 6 PhD students.

DESCRIPTION

Ultrasonic transducers for medical and industrial applications.
Ultrasound methods to characterize materials and complex media.

CURRICULA

Master degrees in Electrical and Electronic Engineering, Mechanical Engineering, Materials Science, Mechatronics.
Doctoral school in the same fields.