

IMAC-XXX EXHIBITOR DIRECTORY

IMAC-XXX Exposition

January 30 - February 2, 2012 • Hyatt Regency Jacksonville Riverfront • Jacksonville, Florida

Hours:

Tuesday, Jan. 31	9:30 AM - 5:00 PM
Wednesday, Feb. 1	10:00 AM - 12:00 PM & 1:30 - 5:00 PM
Thursday, Feb. 2	8:00 AM - 11:00 AM

Have you reserved your IMAC Exhibit Space?

There is still time! • Contact Joni Normandin: joninormandin007@aol.com

◆ = SEM Corporate Member

◆ APS Dynamics, Inc.

32124 Paseo Adelanto, Suite 3
San Juan Capistrano, CA 92675
949-234-9791, Fax: 760-683-3184
sales@apsdynamics.com
www.apsdynamics.com

APS DYNAMICS is the world's leading supplier of Long Stroke Shakers (ELECTRO-SEIS® vibration exciters) for Modal Testing and Very Low Frequency Calibration. APS Ball Bearing Shakers are typically used for studying the dynamic characteristics of various structures like floors, bridges, aircraft, spacecraft and piping systems. APS Air Bearing Shakers are mainly used for calibration purposes in the very low frequency range down to 0.1 Hz. The APS product range is completed by a Portable Shaker, Dual Mode Voltage / Current Amplifiers well adapted to support the capabilities of APS shakers, and Vibration Control Systems that allow a broad range of applications in vibration testing.

ATA Engineering, Inc.

11995 El Camino Real #200
San Diego, CA 92130
858-480-2000, Fax: 858-792-8932
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www.ata-e.com/

ATA provides analysis and test-driven design services and software solutions for mechanical and aerospace systems. We are the world's leading independent modal testing company, performing dozens of large scale tests each year. With over 900 accelerometers, twenty shakers, and automated sensor selection algorithms, no modal survey is too large for ATA. Structural dynamic tests and simulations, including modal, shock, operating, qualification, and vehicle performance, have been performed on aircraft, space launch vehicles, rocket motors, satellites, robotic figures, propeller blades, generator sets, and amusement park rides. ATA continues to advance analysis and test capabilities with recent developments such as the Alias Free polyreference curve fitting technique and multiple input excitation methods. Technological advances are captured in ATA's software suite which includes IMAT, ATTUNE, and ROTATE. ATA's IMAT (Interface between MATLAB®, Analysis, Test) provides a framework for importing, exporting, and manipulating both simulation and test data using the versatile programming and mathematical strengths of the MATLAB® environment. Attune is a stand-alone highly automated test-analysis correlation and model updating software product which provides the user with a powerful, efficient method of generating accurate test-verified finite element models. ATA's ROTATE software package is for analyzing noise and vibration from time waveform and tachometer (or other machine speed) signals using the Vold-Kalman filter.

◆ Brüel & Kjær Sound & Vibration Measurement

Skodsborgvej 307, Naerum DK-2850 Denmark

45-45-800-500, Fax: 45-45-801-405

bkinfo@bksv.com

www.bksv.com

Brüel & Kjær North America Inc.

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www.bkhome.com

Brüel & Kjær's sound & vibration solutions cover the complete measurement chain from transducers over data acquisition systems to final analysis and reporting software. Visit our booth to see significant new developments within structural dynamics including Classical Modal Analysis, Operational Modal Analysis, Operating Deflection Shapes Analysis, Shock Response Analysis, and Test-FEA Integration and to discuss your specific measurement needs with our experts. Live demonstrations will be performed using the PULSE Reflex™ Structural Dynamics software and PULSE LAN-XI data acquisition hardware. Complete LDS vibration testing systems will be on display as well.

Correlated Solutions, Inc.

120 Kaminer Way Pkwy., Suite A

Columbia, SC 29210

803-926-7272, Fax: 803-926-7221

sales@correlatedsolutions.com

www.correlatedsolutions.com

Correlated Solutions, Inc. is the worldwide leading supplier of Digital Image Correlation (DIC) measurement systems for non-contact, full-field analysis of shape, motion, deformation, and strain. Recently, CSI has introduced a new product line for vibration analysis. The vibration measurement systems can measure full-field, three-dimensional vibrations with amplitudes in the nanometer range for frequencies up to 50 kHz. Since the acquisition time is very short, the system is capable of measuring operational mode shapes during transient events as well as the impulse response to an impact. This allows the user to easily identify and quantify mode shapes of in-plane and out-of-plane components while at the same time measuring the strain response. Please stop by our booth to see a demonstration and to discuss your measurement applications.

Crystal Instruments

4699 Old Ironsides Drive, Suite 100

Santa Clara, CA, 95054

408-986-8880, Fax: 408-834-7818

sales@go-ci.com

www.go-ci.com

Crystal Instruments (CI) is a leading worldwide supplier of dynamic measurement systems and vibration control systems. Backed by over 30 years of engineering expertise, CI's products emphasize an intuitive interface and advanced analysis functions. CI will demonstrate a wide range of vibration control and dynamic measurement instruments including the handheld CoCo-80, high-channel Spider-80, and the Spider-81 vibration controller.

◆ Data Physics Corporation

1741 Technology Drive, Suite 260

San Jose, CA 95110

408-437-0100, Fax: 408-437-0509

sales@dataphysics.com

www.dataphysics.com

Data Physics will exhibit its SignalCalc Dynamic Signal Analyzers, SignalStar Vibration Control Systems and SignalForce Electrodynamic Shakers. Data Physics has been supplying high performance test and measurement solutions for more than 25 years. With the addition of a full line of electrodynamic shakers to complement its vibration controllers and dynamic signal analyzers, Data Physics is a total solution supplier for noise and vibration applications. Data Physics experienced team provides full service for all shaker models and brands including installation, relocation, repair, calibration, maintenance, replacement amplifiers, shaker and controller upgrades. Discover more at www.dataphysics.com.

Diversified Technical Systems, Inc.

909 Electric Avenue, Suite 206
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sales@dtsweb.com
www.dtsweb.com

Diversified Technical Systems is the world's leading manufacturer of data acquisition systems and sensors for the experienced test professional. For 21 years, DTS systems have been the standard worldwide for collecting precision data on human injury in crash, blast, and biomechanics testing. Unique features include: ultra-small size, flexibility, high sample rates, high shock, and 24/7/365 technical support. www.dtsweb.com

Dynamic Design Solutions

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Leuven, 3001, Belgium
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www.femtools.com

Dynamic Design Solutions develops the FEMtools suite of software products for structural dynamics simulation, structural optimization, modal test planning, experimental modal analysis, structural dynamics modification, test-analysis correlation, and finite element model verification, validation and updating. An integrated scripting environment provides unlimited extension, automation, or customization of the software. Typical applications include development of custom solutions for structural health monitoring, damage identification, and probabilistic analysis.

◆ Dytran Instruments, Inc.

21592 Marilla Street
Chatsworth, CA 91311
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info@dytran.com
www.dytran.com

Dytran Instruments, Inc. is a leading designer and manufacturer of piezoelectric and DC MEMS sensors. The company's world class product range includes miniature and triaxial accelerometers, high temperature sensors with built-in electronics (IEPE), and variable capacitance sensors with low-noise differential output. Dytran also offers a complete range of impulse hammers, piezoelectric force and pressure sensors, cables, and accessories for dynamic measurements, with full in-house customization capabilities. Visit our website at www.dytran.com to learn more.

◆ Kistler Instrument

75 John Glenn Drive
Amherst, NY 14228-2171
716-691-5100, Fax: 716-691-5226
sales.us@kistler.com
www.kistler.com

Kistler Instruments will exhibit a comprehensive live of accelerometers, impact hammers force sensors, and associated instrumentation for modal analysis. New for 2012, we have recently introduced a new PiezoBEAM single and triaxial accelerometer and also a comprehensive line of MEMS K-Beam® capacitive accelerometers for low frequency, low g applications. Visit our booth to discuss your specific applications, view sensors and impact hammers, or just talk about future sensor needs.

Larson Davis, a PCB Piezotronics division

3425 Walden Ave.
Depew, NY 14043
888-258-3222, Fax: 716-926-8215
sales@LarsonDavis.com
www.LarsonDavis.com

Larson Davis will display their complete line of sound level meter and acoustic measurement products, including new Model 831. Model 831 features a lightweight ergonomic design, standard 120 dB dynamic range, real-time 1/3 octave spectra, exceedance logging, and the added capability to compute acoustic metrics, such as reverberation time, for architectural and material acoustics applications. For environmental monitoring Larson Davis, will also display their new outdoor microphone system, Model 426A12.

LMS North America

5755 New King Street
Troy, MI 48098
248-952-5664, Fax: 248-952-1610
Nicole.ellison@lmsintl.com
www.lmsintl.com

LMS has 30+ years of dynamics engineering expertise, structural dynamics testing/simulation solutions, and mechatronic simulation software. LMS tunes into mission critical engineering attributes, ranging from system dynamics, structural integrity and quality to durability, safety, and power consumption. More than 1150 LMS professionals serve over 5000 manufacturing companies worldwide. Congratulations on 30 years of IMAC!

m+p international inc.

271 Grove Avenue, Building G
Verona, NJ 07044
973-239-3005, Fax: 973-239-2858
sales@mpina.com
www.mpihome.com

Product designers and test engineers throughout the world trust m+p international for reliable noise and vibration analysis, vibration/acoustic control, and continuous on-line monitoring. On display will be m+p's Smart Office Analyzer with VXI, LXI, USB, and VibPilot measurement hardware along with the new VibRunner data acquisition and control system. Also available is the new m+p Continuous Online Data Acquisition Systems, CODA, for temperature, voltage, stress, strain, pressure, force, acceleration, frequency, power, length, etc., measurements from 4 to 1000's channels.

Meggitt Sensing Systems

30700 Rancho Viejo Road
San Juan Capistrano, CA 92675
949-493-8181, Fax: 949-661-7231
jessica.koble@meggitt.com
www.meggittsensing.com

Meggitt Sensing Systems specialize in sensing and monitoring systems that measure physical parameters in extreme environments. Meggitt offers a wide variety of products for aerospace and automotive testing, including high-performance piezoelectric, piezoresistive and variable capacitance (VC) accelerometers; shock and vibration sensors; dynamic and static pressure transducers (piezoelectric and piezoresistive); acoustic sensors and instrumentation; displacement sensors; servo accelerometers, inclinometers; inertial measurement units; LVDT's; electromagnetic and piezoelectric structural excitation devices; conditioners; calibration systems and services; signal conditioning electronics, cables and accessories. Many models are now part of the company's Guaranteed InStock™ program, with quantities available for immediate shipment.

MicroStrain, Inc.

459 Hurricane Lane, Suite 102
Williston, VT 05495
802-862-6629, Fax: 802-863-4093
rmcorneau@microstrain.com
www.microstrain.com

MicroStrain is a leading manufacturer of very small, highly accurate sensing systems. Our range of sensing solutions include inertial measurement systems, micro-displacement transducers, wireless sensor networks, and energy harvesting technologies. MicroStrain's sensors are used in a variety of industrial, defense, and medical applications including testing of new designs, controlling critical manufacturing processes, navigating unmanned vehicles, platform stabilization, tracking systems, and wirelessly monitoring machines & structures.

The Modal Shop, Inc.

3149 E. Kemper Road
Cincinnati, OH 45241
513-351-9919, Fax: 513-458-2172
sales@modalshop.com
www.modalshop.com

The Modal Shop is your "original one-stop sound & vibration shop" for all your dynamic measurement needs. Products on display include our new family of modal and electrodynamic exciters, including the innovative SmartShaker with integrated amplifier. Stop by to learn about our complete rental service program of data acquisition products, precision acoustic instrumentation, accelerometers, impact hammers, calibration equipment, ICP® tachometers, and test accessories.

National Instruments

11500 N. MoPac Expressway
Austin, TX 78759
512-683-0100, Fax: 512-683-5775
info@ni.com
www.ni.com/soundandvibration

National Instruments offers sound and vibration hardware and software featuring 24-bit ADCs at sampling rates up to 204.8 kS/s in multiple platforms for flexible, accurate measurements. NI LabVIEW and Sound and Vibration Measurement Suite provides a variety of level, frequency, and multichannel measurements for analysis of structures and mechanical systems.

OROS

502 Shaw Road, B - 101
Dulles, VA 20166-9435
888-200-OROS (6767), Fax: 703-478-3205
Info@OROSInc.com
www.ROSInc.com

Adding to the widest range of analyzers available, stop by our booth to see what's new from OROS. The new Vibe-Master technology allows you to vary your channel count to 300+ channels. All OROS technology have 24-bit front-ends and offer an Excel-based road-map for ease of modal acquisition. With a host of NV Solutions available, OROS is reaffirmed as the trendsetter in experimental modal analysis.

◆ PCB Piezotronics, Inc.

3425 Walden Ave.
Depew, NY 14043
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PCB Piezotronics manufactures a complete range of accelerometers, microphones, pressure sensors, force sensors, and torque transducers utilizing ICP®, piezoelectric, capacitive, strain gage, piezoresistive, TEDS, and MEMS sensing technologies.

Polytec, Inc.

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www.polytec.com

Polytec is the global leader in non-contact vibration measurement for micro and macro modal and structural analysis. 3-D scanned laser vibrometry eliminates the challenges of wiring and gluing accelerometers along with the complications introduced by their mass loading, increased local stiffness, and signal conditioning. Stop by our booth to discuss Polytec's RoboVib system, the ultimate 3-D scanning system, offering cost effective measurement services on large and small structures in our Dexter, MI lab. Learn more about the most advanced technology available for measuring single point, 1-D, and 3-D vibrations. Polytec is "Advancing Modal Analysis by Light".

Precision Filters, Inc.

240 Cherry St.
Ithaca, NY 14850
607-277-3550, Fax: 607-277-4466
pinfo@pfinc.com
www.pfinc.com

Precision Filters manufactures high performance instrumentation for test measurements including signal conditioning for vibration, shock and rotating machinery applications, programmable switch systems, and portable filter/amplifier systems. PFI will exhibit the 28000 System which provides a complete range of transducer conditioning with up to 256 channels per chassis. Precision's new solid-state switch provides up to 256x256 cross-point switching and replaces tedious manual patch panels. The new PF-1U provides 8 or 16 channels of high performance filter/amplifiers in a compact package with Ethernet control.

Siemens PLM Software

5800 Granite Parkway, Suite 600
Plano, TX 75024
800-498-5351, Fax: 314-264-8922
info.plm@siemens.com
www.siemens.com/plm

Siemens PLM Software, a business unit of the Siemens Industry Automation Division, is a leading global provider of product lifecycle management (PLM) software and services with nearly 6.7 million licensed seats and 69,500 customers worldwide. Headquartered in Plano, Texas, Siemens PLM Software works collaboratively with companies to deliver open solutions that help them turn more ideas into successful products. For more information on Siemens PLM Software products and services, visit www.siemens.com/plm.

SpectraQuest, Inc.

8201 Hermitage Road
Richmond, VA 23228
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info@spectraquest.com
www.spectraquest.com

A leading developer and manufacturer of Turn-key Systems for education/training and research in wind energy, vibration fundamentals, kinematics, dynamics, and diagnosis of machines faults, rotor balancing, and shaft/coupling alignment. Each system includes a hands-on simulator, data acquisition hardware, sensors, curriculum manuals, and interactive software. We provide a complete infrastructure for setting up a training program to enhance workforce skills in machine condition monitoring, industrial maintenance, and reliability.

◆ Spectral Dynamics, Inc.

888 West Big Beaver Road, Suite 730
Troy, Michigan, 48084
800-208-7827, Fax: 248-269-6553
lamparellim@sd-star.com
www.spectraldynamics.com

Spectral Dynamics (SD) is a technically innovative company that has served the Shock and Vibration community continuously for 47 years. Whether it's true Sine control of challenging tests, innovative MIMO control of multiple shakers, or accurate Phase-locked acquisition of hundreds of channels of data, Spectral Dynamics uses mathematics effectively to reduce the total costs of dynamic testing.

At IMAC-XXX, we will be showing the latest BOBCAT Acquisition and STAR 7 Modal Analysis features.

Springer

233 Spring Street
New York, NY 10013
800-SPRINGER
www.springer.com

Springer is a leading publisher of engineering books and journals. Visit our booth at IMAC to pick up free sample journal copies and the chance to browse through our bestselling and recently published books in Structural Dynamics, with special discounts for SEM members and conference participants.

Structural Vibration Solutions A/S

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Structural Vibration Solutions A/S is the developer of ARTeMIS Extractor. The patented modal analysis software for the vast number of cases where it is preferred not to control or measure the loading. If you can measure the vibrations, ARTeMIS Extractor can give you the modes in terms of mode shape, natural frequency and damping ratio. At IMAC-XXX, We will be exhibiting the new Fast SSI algorithm implemented in the ARTeMIS Extractor Pro 2011. The increase of speed of this new Crystal Clear SSI algorithm is more than 100 times compared to earlier implementations.

Tritek / TEAC Data Recorders

569 Bay Rd., POB 357
Hamilton, MA 01936
978-468-4135, Fax: 978-468-4171
sastulfi@tritekdatasystems.com
www.tritekdatasystems.com

Tritek is proud to be the Authorized North American Distributor for TEAC Data Recorders and ROGA Instruments. TEAC offers a complete range of Instrumentation Data Recorders, utilizing AIT tape, flash-memory card, and hard-disk recording media, with onboard signal conditioning. The new LX-110/120 Series, featuring higher resolution and increased recording capacity, and the AQ-VU Video/ Data Recorder, will be on display. ROGA Instruments offers USB-based Signal Conditioning and Front-end Data Acquisition solutions for noise and vibration measurements.

VTI Instruments Corporation

2031 Main Street
Irvine, CA 92614
949-955-1894, Fax: 949-955-3041
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www.vtiinstruments.com

VTI delivers precision instrumentation for electronic signal distribution, acquisition, and monitoring, which is used in the world's most demanding test applications. Our solutions provide reliable data first time, every time. VTI's solutions allow customers to optimize their capital investment through product longevity with unmatched measurement integrity and data reliability. <http://www.vtiinstruments.com>

◆ Vibrant Technology, Inc.

5 Erba Lane, Suite B
Scotts Valley, CA 95066
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sales@vibetech.com
www.vibetech.com

ME'scopeVES 5.0 contains all of the tools you need to visualize, analyze, and document noise and vibration problems in structures and operating machinery. You can post-process impact, shaker, or operating data using single or multiple references. A variety of modal, operating modal, and ODS techniques are available, as well as advanced SDM tools for investigating the effects of structural modifications on resonances. You can start with a low cost ME'scopeVES option and upgrade to options with more features as you need them.

Vibration Research Corporation

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www.vibrationresearch.com

Vibration Research designs and manufactures innovative vibration control systems for electro-dynamic and servo-hydraulic shakers. Vibration Research recently introduced the VR9500 Revolution controller with features including 108 KHz sample rate, up to 26,000 lines of resolution, up to 32 KHz control frequency, and many more. Vibration Research control systems are sure to satisfy your testing requirements!

Wiley-Blackwell

111 River St.
Hoboken, NJ 07030
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Wiley-Blackwell is the international scientific, technical, medical and scholarly publishing business of John Wiley & Sons, with strengths in every major academic and professional field and partnerships with many of the world's leading societies. For more information, please visit www.wiley.com or <http://www.interscience.wiley.com>.

Xcitex, Inc.

25 First Street, Suite 105

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info@xcitex.com

www.xcitex.com

Xcitex will showcase software that allows scientists to use video as a test tool. ProAnalyst, the preeminent software for motion analysis, allows users to easily extract 3-D motion of objects – including both microscopic motions and larger structural motions – and compute velocities, frequencies, angular and linear trajectories, displacements and more.