

This is a listing of proposed sessions planned for IMAC-XLIII. IF your submission fits one of these, please put the organizer's name or session title in the "Organizer" field when submitting.

Note that you do not have to submit to an organized session. You can submit to a track without adding an organizer's name.

TD/FG	Title	Organizer	What
--	Space Applications (focussing on micro-vibrations, vibration-induced by fluid-structure interaction in spacecraft and temperature-dependent dynamics of space structures.)	Dario Di Maio Andrea Cammarano	session(s)
Computer Vision and Laser Doppler Vibrometry	AI based computer vision	Zhu Mao Allesandro Sabato	session(s)
Computer Vision and Laser Doppler Vibrometry	DIC combined with model updating	Javad Baqersad	session(s)
Computer Vision and Laser Doppler Vibrometry	EMA and OMA using Vision Systems	Janko Slavic	session(s)
Computer Vision and Laser Doppler Vibrometry	High Speed DIC/DIC Soft Materials	Jayant Sirohi	session(s)
Computer Vision and Laser Doppler Vibrometry	IR Damage Detection in Composites	Dario Di Maio	session(s)
Computer Vision and Laser Doppler Vibrometry	Laser Vibrometry	Dario Di Maio	session(s)
Computer Vision and Laser Doppler Vibrometry	LIDAR	David Mascaraneas	session(s)
Computer Vision and Laser Doppler Vibrometry	Motion Magnification	Dan Rohe	session(s)
Computer Vision and Laser Doppler Vibrometry AND Dynamics of Civil Structures	Optical methods in Civil Engineering	Tengjiao Jiang Alessandro Sabato	session(s)
Data Science	Applications of Machine Learning	Thomas Matarazzo Austin Downey Eleonora Maria Tronci	session(s)
Data Science	Data Science in Engineering	Thomas Matarazzo Austin Downey Eleonora Maria Tronci	session(s)
Data Science	Data-driven and Physics-informed Modeling and Analysis	Thomas Matarazzo Austin Downey Eleonora Maria Tronci	session(s)
Data Science	Deep Learning for Condition Monitoring	Thomas Matarazzo Austin Downey Eleonora Maria Tronci	session(s)
Data Science	Machine Learning Algorithms in Damage Detection	Thomas Matarazzo Austin Downey Eleonora Maria Tronci	session(s)
Data Science	Machine Learning and Modeling of Structures	Thomas Matarazzo Austin Downey Eleonora Maria Tronci	session(s)
Data Science	Physics Informed Machine Learning	Thomas Matarazzo Austin Downey Eleonora Maria Tronci	session(s)
Data Science	Structural Modelling and Condition Assessment	Thomas Matarazzo Austin Downey Eleonora Maria Tronci	session(s)
Dynamic Environments Testing	BARC Past, Present, and Future	Tyler Schoenherr Umberto Musella	session(s)
Dynamic Environments Testing	Environments Definition	Thomas Brown Troy Skousen	session(s)
Dynamic Environments Testing	Fixture Design	Cora Taylor Jim DeClerck	session(s)
Dynamic Environments Testing	MIMO DET	Brandon Zwink Clayton Morgan	session(s)
Dynamic Environments Testing	MIMO DET	Shannon Danforth Evan Ferguson	session(s)
Dynamic Environments Testing	Shaker DET	Adam Bouma Marcus Behling	session(s)

Dynamic Environments Testing	Transient DET	David Soine Pablo Tarazaga	session(s)
Dynamic Substructures	Benchmark Challenge	Andreas Linderholt Dan Roettgen	session(s)
Dynamic Substructures	Experimental Dynamic Substructuring/TPA		session(s)
Dynamic Substructures	Nonlinear Benchmark	Dan Roettgen Ben Moldenhauer	session(s)
Dynamic Substructures	Real Time/Hybrid Substructuring	Daniel Rixen Richard Christenson	session(s)
Dynamic Substructures AND Dynamic Environments Testing	Transfer Path Analysis & Force Estimation	Steve Carter	session(s)
Dynamic Substructures AND Nonlinear Structures & Systems	Nonlinear substructuring		session(s)
Dynamics of Civil Structures	Digital Twins of Structural Systems	Babak Moaveni	session(s)
Dynamics of Civil Structures	Dynamics of Bridges	Knut Andreas Kvale	session(s)
Dynamics of Civil Structures	Dynamics of Buildings	Yiwen Dong	session(s)
Dynamics of Civil Structures	Dynamics of Rail	Bjorn Thomas Svendsen	session(s)
Dynamics of Civil Structures	Human Structure Interaction	Haeyoung Noh	session(s)
Dynamics of Civil Structures	Real time hybrid simulation	Richard Christenson	session(s)
Dynamics of Civil Structures	Robotics and AI Applications for Structures	Fernando Moreu	session(s)
Dynamics of Civil Structures	Structural Health Monitoring	Matt Whelan	session(s)
Dynamics of Civil Structures	Structural Vibration Mitigation and Control	Scott Harvey Nicholas Wierschem	session(s)
Dynamics of Civil Structures AND Computer Vision and Laser Doppler Vibrometry ??	Computer Vision for Civil Applications and SHM	Fernando Moreu	session(s)
Jim F. Lally Sensors and Instrumentation	Instrumentation and DAQ	Chad Walber Matt Stefanski	session(s)
Jim F. Lally Sensors and Instrumentation	Instrumentation Basics	Chad Walber Matt Stefanski	session(s)
Jim F. Lally Sensors and Instrumentation	Technical Applications I & II	Chad Walber Matt Stefanski	session(s)
Modal Analysis/Dynamic Systems	Aerospace Applications	Eric Stasiunas Kevin Napolitano	session(s)
Modal Analysis/Dynamic Systems	Biomedical Applications	Sheyda Davaria	session(s)
Modal Analysis/Dynamic Systems	Damping		session(s)
Modal Analysis/Dynamic Systems	Human-Structure Interaction		session(s)
Modal Analysis/Dynamic Systems	Modal Parameter Estimation		session(s)
Modal Analysis/Dynamic Systems	Past Holds Clues to the Future	Brandon Dilworth Jason Blough Pete Avitabile	PANEL
Modal Analysis/Dynamic Systems	Testing Techniques		session(s)
Modal Analysis/Dynamic Systems	Vibration Reduction		session(s)
Modal Analysis/Dynamic Systems AND Dynamic Environments Testing	Multi-axis excitation		session(s)
Model Validation and Uncertainty Quantification	Fusion of Test and Analysis	Ibrahim Sever Kyle Neal	session(s)
Model Validation and Uncertainty Quantification	Model form uncertainty and selection incl. round robin challenge	Roland Platz Alana Lund	session(s)
Model Validation and Uncertainty Quantification	Panel Discussion (60 min) at the end of the sessions about challenges in MVUQ	Costas Papadimitriou Babak Moaveni François Hemez	PANEL
Model Validation and Uncertainty Quantification	Recursive Bayesian System Identification	Yashar (Saeed) Eftekhari Azam Eleni Chatzi	session(s)
Model Validation and Uncertainty Quantification	Surrogate Modeling	Zhen Hu Kyle Neal	session(s)
Model Validation and Uncertainty Quantification	Uncertainty Quantification and Propagation in Structural Dynamics	Babak Moaveni	session(s)
Model Validation and Uncertainty Quantification	Virtual Sensing & Realtime Monitoring	Scott Cogan	session(s)
Nonlinear Structures & Systems	Controls for Nonlinear Experiments	Ludovic Renson	session(s)

Nonlinear Structures & Systems	Data-Driven Methods for NL Systems	David Najera Flores Alex Elliott	session(s)
Nonlinear Structures & Systems	Industrial Applications	?	session(s)
Nonlinear Structures & Systems	Jointed Structures	Matt Brake Christoph Schwingshackl	session(s)
Nonlinear Structures & Systems	Multi-Physics/Nonlinearities in Design	Andrea Cammarano Steven Shaw	session(s)
Nonlinear Structures & Systems	Nonlinear Model Reduction	Paolo Tiso Rob Kuether	session(s)
Nonlinear Structures & Systems	Nonlinear System Identification	Gaetan Kerschen Nevzat Ozguven	session(s)
Nonlinear Structures & Systems	Nonlinear Testing Methods	Ben Pacini	session(s)
Nonlinear Structures & Systems	Numerical Methods	Nidish Narayanaa Balaji	session(s)