

**IMAC-XLIII Conference & Exposition on Structural Dynamics***Lights, Camera, IMAC!*

February 10-13, 2025 | Rosen Plaza Hotel

<b>Date</b>	<b>Start</b>	<b>End</b>		<b>Room</b>
<b>Saturday 2/8/2025</b>				
Sat	8:15 a.m.	11:00 a.m.	COURSE ONLY Registration	Salon 18
Sat	9:00 a.m.	6:00 p.m.	COURSE: Operational Modal Analysis: Background, Theory & Practice <i>Palle Andersen, Carlos E. Ventura</i>	Salon 14
Sat	9:00 a.m.	6:00 p.m.	COURSE: Modal Domain Approaches for Nonlinear Identification and Analysis in Industry <i>Nevzat Özgüven, Ben Pacini, Matthew Allen</i>	Salon 13
<b>Sunday 2/9/2025</b>				
Sun	8:15 a.m.	11:00 a.m.	COURSE ONLY Registration	Salon 18
Sun	9:00 a.m.	6:00 p.m.	COURSE: Operational Modal Analysis: Background, Theory & Practice <i>Palle Andersen, Carlos E. Ventura</i>	Salon 14
Sun	9:00 a.m.	6:00 p.m.	COURSE: Optical Techniques for Experimental Modal Analysis <i>Dan Rohe, Bryan Witt, Phil Reu</i>	Salon 13
Sun	9:00 a.m.	6:00 p.m.	Speaker's Practice Room (Closed for LANL)	Green Room
Sun	10:00 a.m.	3:00 p.m.	Closed SEM Executive Board Meeting	Salon 11
Sun	3:00 p.m.	6:00 p.m.	Conference Registration	Reg Desk AB

SUBJECT TO CHANGE

Date	Start	End		Room
<b>Monday 2/10/2025</b>				
Mon	7:30 a.m.	4:00 p.m.	Registration	Reg Desk AB
Mon	8:00 a.m.	6:00 p.m.	Speaker's Practice Room	Green Room
Mon	8:00 a.m.	8:45 a.m.	Speaker/Chair Briefing	Ballroom CD
Mon	9:00 a.m.	10:40 a.m.	01. Basics of Modal Analysis for the New/Young Engineer I	Salon 8
Mon	9:00 a.m.	10:40 a.m.	02. Advanced Techniques for Real-Time Monitoring and Predictive Analysis in Dynamic Systems	Salon 9
Mon	9:00 a.m.	10:40 a.m.	03. Instrumentation and Measurement Techniques	Salon 10
Mon	9:00 a.m.	10:40 a.m.	04. Dynamics of Biomedical and Bioinspired Systems	Salon 11
Mon	9:00 a.m.	10:40 a.m.	05. Vibration Control	Salon 12
Mon	9:00 a.m.	10:40 a.m.	06. System Identification I	Salon 13
Mon	9:00 a.m.	10:40 a.m.	07. Nonlinearities & Applications I	Salon 14
Mon	10:40 a.m.	11:10 a.m.	Coffee Break	Ballroom Foyer
Mon	11:10 a.m.	12:30 p.m.	Conference Kick-off and Keynote: Dr. Aydogan Ozcan–University of California, Los Angeles	Ballroom CD
Mon	12:30 p.m.	1:50 p.m.	Closed IMAC Advisory Board Meeting	Salon 7
Mon	12:30 p.m.	1:50 p.m.	Lunch	on own
Mon	1:50 p.m.	3:30 p.m.	08. Basics of Modal Analysis for the New/Young Engineer II	Salon 8
Mon	1:50 p.m.	3:30 p.m.	09. AI-Driven Digital Twins for Systems Monitoring and Dynamic Characterization in Engineering	Salon 9
Mon	1:50 p.m.	3:30 p.m.	10. Data Acquisition and Signal Processing	Salon 10
Mon	1:50 p.m.	3:30 p.m.	11. Modal and Frequency-Based Substructuring	Salon 11
Mon	1:50 p.m.	3:30 p.m.	12. Metamaterials, Metastructures and Additive Manufacturing I	Salon 12
Mon	1:50 p.m.	3:30 p.m.	13. Dynamics of Aircraft/Aerospace Structures I	Salon 13
Mon	1:50 p.m.	3:30 p.m.	14. Nonlinearities & Applications II	Salon 14
Mon	1:50 p.m.	2:50 p.m.	<i>Experimental Techniques</i> Editorial/IAB Meeting	Salon 7
Mon	3:30 p.m.	4:00 p.m.	Coffee Break	Ballroom Foyer
Mon	4:00 p.m.	5:00 p.m.	Individual Virtual Committee Meetings: Applications, Education and Research to meet online individually	virtual
Mon	4:00 p.m.	5:40 p.m.	15. Basics of Modal Analysis for the New/Young Engineer III	Salon 8
Mon	4:00 p.m.	5:40 p.m.	16. Data-Driven Techniques for Modeling, Monitoring and Population of Structures Design	Salon 9
Mon	4:00 p.m.	5:40 p.m.	17. Optical and Acoustic Sensing Technology	Salon 10
Mon	4:00 p.m.	5:40 p.m.	18. Real Time/Hybrid Substructuring & Case Studies	Salon 11
Mon	4:00 p.m.	5:40 p.m.	19. Metamaterials, Metastructures and Additive Manufacturing II	Salon 12
Mon	4:00 p.m.	5:40 p.m.	20. Dynamics of Aircraft/Aerospace Structures II	Salon 13
Mon	4:00 p.m.	5:40 p.m.	21. Industrial Applications	Salon 14
Mon	6:00 p.m.	7:00 p.m.	Student Meet & Greet	Upper Pool Deck
Mon	7:00 p.m.	8:30 p.m.	Welcome Reception in the Exhibit Hall	Ballroom AB

SUBJECT TO CHANGE

Date	Start	End		Room
<b>Tuesday 2/11/2025</b>				
Tue	7:30 a.m.	4:00 p.m.	Registration	Reg Desk AB
Tue	8:00 a.m.	6:00 p.m.	Speaker's Practice Room	Green Room
Tue	8:00 a.m.	8:45 a.m.	Speaker/Chair Briefing	Ballroom CD
Tue	9:00 a.m.	10:40 a.m.	22. Experimental Techniques I	Salon 8
Tue	9:00 a.m.	10:40 a.m.	23. Computer Vision and SLDV I	Salon 9
Tue	9:00 a.m.	10:40 a.m.	24. Technology Applications I	Salon 10
Tue	9:00 a.m.	10:40 a.m.	25. Round Robin Test Bed	Salon 11
Tue	9:00 a.m.	10:40 a.m.	26. System Identification II	Salon 12
Tue	9:00 a.m.	10:40 a.m.	27. Rotating Machinery I	Salon 13
Tue	9:00 a.m.	10:40 a.m.	28. NNMs & Interactions I	Salon 14
Tue	10:00 a.m.	5:00 p.m.	Exposition Open	Ballroom AB
Tue	10:40 a.m.	11:40 a.m.	Coffee Break in the Exposition	Ballroom AB
Tue	11:40 a.m.	12:40 p.m.	Keynote: Dr. Michael Sutton–University of South Carolina	Ballroom CD
Tue	12:40 p.m.	2:30 p.m.	TD/Focus Group Meetings w/Pizza Lunch	Ballroom CD & breakouts
	1:00 p.m.	2:30 p.m.	Computer Vision and Laser Vibrometry TD	Salon 9
	1:00 p.m.	2:30 p.m.	Data Science TD	Salon 6
	1:00 p.m.	2:30 p.m.	Dynamic Environments Testing TD	Salon 13
	1:00 p.m.	2:30 p.m.	Dynamic Substructures TD	Salon 11
	1:00 p.m.	2:30 p.m.	Dynamics of Civil Structures TD	Salon 12
	1:00 p.m.	2:30 p.m.	Modal Analysis and Structural Dynamics TD	Salon 8
	1:00 p.m.	2:30 p.m.	Model Validation & Uncertainty Quantification TD	Salon 7
	1:00 p.m.	2:30 p.m.	Nonlinear Structures & Systems TD	Salon 14
	1:00 p.m.	2:30 p.m.	Jim F. Lally Sensors and Instrumentation TD	Salon 10
Tue	2:30 p.m.	3:50 p.m.	29. Experimental Techniques II	Salon 8
Tue	2:30 p.m.	3:50 p.m.	30. Computer Vision and SLDV II	Salon 9
Tue	2:30 p.m.	3:50 p.m.	31. Technology Applications II	Salon 10
Tue	2:30 p.m.	3:50 p.m.	32. Joints & Mounts	Salon 11
Tue	2:30 p.m.	3:50 p.m.	33. Human Structure Interaction	Salon 12
Tue	2:30 p.m.	3:50 p.m.	34. Rotating Machinery II	Salon 13
Tue	2:30 p.m.	3:50 p.m.	35. NNMs & Interactions II	Salon 14
Tue	3:50 p.m.	4:30 p.m.	Dessert Break in the Exposition	Ballroom AB
Tue	4:30 p.m.	5:50 p.m.	36. System Identification III - Wind	Salon 8
Tue	4:30 p.m.	5:50 p.m.	37. Computer Vision and SLDV III	Salon 9
Tue	4:30 p.m.	5:50 p.m.	38. Data Acquisition Techniques	Salon 10
Tue	4:30 p.m.	5:50 p.m.	39. Dynamic Substructuring & DET	Salon 11
Tue	4:30 p.m.	5:50 p.m.	40. Dynamics of Bridges	Salon 12
Tue	4:30 p.m.	5:50 p.m.	41. Open-source Scientific Computing in Structural Dynamics	Salon 13
Tue	4:30 p.m.	5:50 p.m.	42. Experimental Methods I	Salon 14
Tue	6:00 p.m.	7:00 p.m.	Meeting of the International Committee on Joint Mechanics	Salon 7
Tue	6:00 p.m.	7:00 p.m.	Panel: Academic Careers: What It's Like and How to Succeed	Salon 10
Tue	7:00 p.m.	10:00 p.m.	Women in Engineering Game Night	Ballroom CD

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<b>Date</b>	<b>Start</b>	<b>End</b>		<b>Room</b>
<b>Wednesday 2/12/2025</b>				
Wed	7:30 a.m.	4:00 p.m.	Registration	Reg Desk AB
Wed	8:00 a.m.	6:00 p.m.	Speaker's Practice Room	Green Room
Wed	8:00 a.m.	11:30 a.m.	Exposition Open	Ballroom AB
Wed	8:00 a.m.	8:45 a.m.	Speaker/Chair Briefing AND Breakfast in the Exhibit Hall	Ballroom AB & CD
Wed	9:00 a.m.	10:40 a.m.	43. Modal Topics I	Salon 8
Wed	9:00 a.m.	10:40 a.m.	44. CV & Digital Twin	Salon 9
Wed	9:00 a.m.	10:40 a.m.	45. Model Form Uncertainty and Selection incl. Round Robin Challenge	Salon 10
Wed	9:00 a.m.	10:40 a.m.	46. DET and Dynamic Substructuring	Salon 11
Wed	9:00 a.m.	10:40 a.m.	47. Dynamics of Buildings	Salon 12
Wed	9:00 a.m.	10:40 a.m.	48. Machine Learning in SHM I	Salon 13
Wed	9:00 a.m.	10:40 a.m.	49. Nonlinear System Identification I	Salon 14
Wed	10:40 a.m.	11:20 a.m.	Coffee Break in the Exposition	Ballroom AB
Wed	11:20 a.m.	12:20 p.m.	Joint Meeting of the Applications, Education, Research Committees	Salon 7 (hybrid)
Wed	11:20 a.m.	12:40 p.m.	50. Experimental	Salon 8
Wed	11:20 a.m.	12:40 p.m.	51. CV for Civil Structures	Salon 9
Wed	11:20 a.m.	12:40 p.m.	52. Uncertainty Quantification in Sensing Systems	Salon 10
Wed	11:20 a.m.	12:40 p.m.	53. BARC: Past, Present and Future	Salon 11
Wed	11:20 a.m.	12:40 p.m.	54. Dynamics of Rail and Offshore Structures	Salon 12
Wed	11:20 a.m.	12:40 p.m.	55. Machine Learning in SHM II	Salon 13
Wed	11:20 a.m.	12:40 p.m.	56. Nonlinear System Identification II	Salon 14
Wed	12:40 p.m.	2:00 p.m.	Awards Luncheon	Ballroom CD
Wed	2:00 p.m.	3:30 p.m.	Program Planning Committee Meeting	Salon 7
Wed	2:00 p.m.	3:20 p.m.	57. Modal Topics II	Salon 8
Wed	2:00 p.m.	3:20 p.m.	58. CV and AI	Salon 9
Wed	2:00 p.m.	3:20 p.m.	59. Bayesian & Other Methods for Structural Health Monitoring	Salon 10
Wed	2:00 p.m.	3:20 p.m.	60. Test Design Sensitivity	Salon 11
Wed	2:00 p.m.	3:20 p.m.	61. Structural Vibration and Control I	Salon 12
Wed	2:00 p.m.	3:20 p.m.	62. Joints	Salon 13
Wed	2:00 p.m.	3:20 p.m.	63. Nonlinear System Identification III	Salon 14
Wed	3:20 p.m.	3:50 p.m.	Coffee Break	Ballroom Foyer
Wed	3:50 p.m.	5:30 p.m.	64. Modal Topics III	Salon 8
Wed	3:50 p.m.	5:30 p.m.	65. Computer Vision and SLDV IV	Salon 9
Wed	3:50 p.m.	5:30 p.m.	66. Surrogate Modeling	Salon 10
Wed	3:50 p.m.	5:30 p.m.	67. Fixture Neutralization and Design	Salon 11
Wed	3:50 p.m.	5:30 p.m.	68. Structural Vibration and Control II	Salon 12
Wed	3:50 p.m.	5:30 p.m.	69. Signal Processing/Prediction for SHM I	Salon 13
Wed	3:50 p.m.	5:30 p.m.	70. Experimental Methods II	Salon 14
Wed	7:00 p.m.	10:00 p.m.	IMAC Social Event at PBR Orlando	off-site

<b>Date</b>	<b>Start</b>	<b>End</b>		<b>Room</b>
<b>Thursday 2/13/2025</b>				
Thurs	8:00 a.m.	1:00 p.m.	Registration	Reg Desk AB
Thurs	8:00 a.m.	4:00 p.m.	Speaker's Practice Room	Green Room
Thurs	8:00 a.m.	8:45 a.m.	Speaker/Chair Briefing	Ballroom AB
Thurs	9:00 a.m.	10:40 a.m.	71. Modal Vendor Presentations	Salon 8
Thurs	9:00 a.m.	10:40 a.m.	72. CV of Rotating Structures	Salon 9
Thurs	9:00 a.m.	10:40 a.m.	73. Uncertainty Quantification in Digital Twin and Data-Driven Models	Salon 10
Thurs	9:00 a.m.	10:40 a.m.	74. MIMO DET I	Salon 11
Thurs	9:00 a.m.	10:40 a.m.	75. Structural Health Monitoring	Salon 12
Thurs	9:00 a.m.	10:40 a.m.	76. Signal Processing/Prediction for SHM II	Salon 13
Thurs	9:00 a.m.	10:40 a.m.	77. Numerical Methods I	Salon 14
Thurs	10:40 a.m.	11:10 a.m.	Coffee Break	Ballroom Foyer
Thurs	11:10 a.m.	12:50 p.m.	78. Modal Topics IV	Salon 8
Thurs	11:10 a.m.	12:50 p.m.	79. Beyond CV	Salon 9
Thurs	11:10 a.m.	12:50 p.m.	80. Uncertainty Quantification and Propagation in Structural Dynamics I	Salon 10
Thurs	11:10 a.m.	12:50 p.m.	81. MIMO DET II	Salon 11
Thurs	11:10 a.m.	12:50 p.m.	82. Structural Health Monitoring / Digital Twinning	Salon 12
Thurs	11:10 a.m.	12:50 p.m.	83. Modal/Input Identification for SHM	Salon 13
Thurs	11:10 a.m.	12:50 p.m.	84. Numerical Methods II	Salon 14
Thurs	12:50 p.m.	1:50 p.m.	Lunch on own	on own
Thurs	1:50 p.m.	3:30 p.m.	85. Modal Topics V	Salon 8
Thurs	1:50 p.m.	3:30 p.m.	87. Uncertainty Quantification and Propagation in Structural Dynamics II	Salon 10
Thurs	1:50 p.m.	3:30 p.m.	88. Transient DET	Salon 11
Thurs	1:50 p.m.	3:30 p.m.	89. Digital Twinning	Salon 12
Thurs	1:50 p.m.	3:30 p.m.	90. SHM Applications: Bridges and Wind Turbines	Salon 13
Thurs	1:50 p.m.	3:30 p.m.	91. Joints - Numerical Methods	Salon 14
	3:30 p.m.		END	