

IMAC-XLIII | February 10-13, 2025 | Rosen Plaza Hotel (Orlando, FL)

		ROOM	Salon 8	Salon 9	Salon 10	Salon 11	Salon 12	Salon 13	Salon 14
MON Feb 10	8:00-8:45 a.m.	Breakfast	NYE	DATA SCI	SENSORS & INST	BIO	METAMAT's, META STRUCTs & ADD MAN - Vibration	SYS ID	NONLINEAR
		Session #	1	2	3	4	5	6	7
15/room		Session Title	Basics of Modal Analysis for the New/Young Engineer I	Advanced Techniques for Real-Time Monitoring and Predictive Analysis in Dynamic Systems	Instrumentation and Measurement Techniques	Dynamics of Biomedical and Bioinspired Systems	Vibration Control	System Identification I	Nonlinearities & Applications I
105=day		Organizer (if ap)	Marinone, Dilworth, Blough,		Chad Walber, Matt Stefanski	Sheyda Davaria			
		Chair(s)	Tim Marinone Brandon Dilworth	Austin Downey	Chad Walber Matt Stefanski	Eleonora Maria Tronci Sheyda Davaria	Mike Mains	Steven Carter Bill Fladung	Ludovic Renson Drithi Shetty
Last name & abstract number	9:00 a.m.	Paper 1	18507- Walber	#18817 - Razmarashooli	#18490 - Hong	#18452 Milana	#18244 Košir	#18302 Liu	#19037 - Tiso
	9:20 a.m.	Paper 2		#18524 - Ganeriwala	#18708 - Mains	#18593 Paifelman	#18339 Tincani	#18351 Liu	
	9:40 a.m.	Paper 3		#18809 - Yount	#18713 - Hollins	#18640 Dukkupati	#18673 Fischer	#18926 Fladung	
	10:00 a.m.	Paper 4		#18738 - Strait	#18831 Costa	#18915 Cutolo	#18929 Coletti	#18384 - Pacini	
	10:20 a.m.	Paper 5		#18908 Zwölfer				#18185 - Andrus	
10:40-11:10 a.m.	Coffee Break								
11:10 a.m.-12:30 p.m.	Keynote: Dr. Aydogan Ozcan—University of California, Los Angeles								
12:30-1:50 p.m.	lunch on own IMAC Adv Bd Mtg Women in Structural Dynamics Lunch?								
		Session #	8	9	10	11	12	13	14
		Session Title	Basics of Modal Analysis for the New/Young Engineer II	Systems Monitoring and Dynamic Characterization in Engineering	Data Acquisition and Signal Processing	Modal and Frequency-Based Substructuring	Metamaterials, Metastructures and Additive Manufacturing I	Dynamics of Aircraft/Aerospace Structures I	Nonlinearities & Applications II
		Organizer (if ap)	Marinone, Dilworth, Blough,		Chad Walber, Matt Stefanski				
		Chair(s)	Mike Mains	Thomas Matarazzo	Matt Stefanski	John Seymour	Ben Martins	Kevin Napolitano	Andrea Cammarano
	1:50 p.m.	Paper 1	18985 - Dilworth	#18523 - Wetherington	#18717 - Hiatt	# 18390 - Seymour	#18377 Rababah	#18239 Truong	#18610 - Cigeroglu
	2:10 p.m.	Paper 2		#18613 - Tronci	#18721 - Hiatt	# 18508 - Denning	#18516 Black	#18501 Van Damme	#18504 - Binns
	2:30 p.m.	Paper 3		#18678 - Chadha	#18744 - Peres	# 18509 - Parker	#18545 Madrid	#18549 Redmond	#18864 - Yuan
	2:50 p.m.	Paper 4		#18885 - Shen	#18971 - Ulriksen	# 18553 - Page	# 18654 Jammullamudy		
	3:10 p.m.	Paper 5		#18993 - Walber	# 18767 - Ocepek	# 18918 Mostafavi Yazdi			
	3:30-4:00 p.m.	Coffee Break							
		Session #	15	16	17	18	19	20	21
		Session Title	Basics of Modal Analysis for the New/Young Engineer III	Modeling, Monitoring and Population of Structures Design	Optical and Acoustic Sensing Technology	Real Time/Hybrid Substructuring & Case Studies	Metamaterials, Metastructures and Additive Manufacturing II	Dynamics of Aircraft/Aerospace Structures II	Industrial Applications
		Organizer (if ap)	Marinone, Dilworth, Blough,		Chad Walber, Matt Stefanski				
		Chair(s)	Jon Furlich Tim Marinone	Thomas Matarazzo	Chad Walber	Dan Rixen	Jason Blough	Kevin Napolitano	Mo Khan
	4:00 p.m.	Paper 1	19041 (con't of 18335)	#18397 - Cimpuieru	#18496 - Boles	# 18344 - Zobel	#18409 Bukhari	#18525 Semke	#18512 - Xu
	4:20 p.m.	Paper 2		#18467 - Sarwar	#18942 - Rauchfuss	# 18650 - Kist	#18619 Woehler	#18576 Tipuric	#18668 - Ghosh
	4:40 p.m.	Paper 3		#18589 - Brennan	#18960 - Walber	# 18655 - Hocraimer	#18635 Jonkeren	#18594 Ehrhardt	#18334 - Capiez-Lernout
	5:00 p.m.	Paper 4				# 18880 - Wagner	#18659 Dorgant	#18690 Sobbecki	#18837 - Saletti
	5:20 p.m.	Paper 5			18395 Pete Avitabile			#18850 Johnson	
	6:00-7:00 p.m.	Student Meet & Greet							
	7:00-8:30 p.m.	Welcome Reception in Exhibit Hall							

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		ROOM	Salon 8	Salon 9	Salon 10	Salon 11	Salon 12	Salon 13	Salon 14
TUE Feb 11	8:00-8:45 a.m.	Breakfast	EXP TECH	COMP VIS	Tech App	DYN SUBSTRUCT	SYS ID	ROTATE MACHINE	NONLINEAR
		Session #	22	23	24	25	26	27	28
13/room		Session Title	Experimental Techniques I	Computer Vision and SLDV I	Technology Applications I	Round Robin Test Bed	System Identification II	Rotating Machinery I	NNMs & Interactions I
91=day		Organizer (if applies)							
		Chair(s)	David Epp	Di Maio	Matt Stefanski	Andreas Linderholt	Bill Fladung	Brian Damiano	Ludovic Renson
	9:00 a.m.	Paper 1	18643 Smith	#18322 Di Maio	Chad Walber	Dan Roettgen	Steven Carter	Babak Moaveni	Dane Quinn
	9:20 a.m.	Paper 2	18928 Coletti	#18233 Castellini		# 18273 - Blackham	#18190 Brewick	#18279 Ozelik	
	9:40 a.m.	Paper 3		#18683 Zhu		# 18498 - Linderholt	#18565 Raviolo	#18469 Kuhr	#18343 - Kuether
	10:00 a.m.	Paper 4				# 18634 - Brunetti	#18672 Williams	#18941 Virgin	
	10:20 a.m.	Paper 5				# 18614 - Korbar	#18419 Chen		#18781 - Balaji
	10:40-11:40 a.m.	Coffee Break in Exhibit Hall				# 18648 - Brunetti			#18236 - Di Maio
	11:40 a.m.-12:40 p.m.	Keynote: Dr. Michael Sutton-University of South Carolina							
	12:40-2:30 p.m.	TD Meetings: All attendees welcome! (Lunch included)							
		Session #	EXP TECH	COMP VIS	Tech App	DYN SUBSTRUCT	CIVIL	ROTATE MACHINE	NONLINEAR
		Session Title	29	30	31	32	33	34	35
		Organizer (if applies)					Hae Young Noh		
		Chair(s)	Eric Little	Janko Slavič	Matt Stefanski	Francesco Trainotti	Hae Young Noh	Brian Damiano	Ludovic Renson
	2:30 p.m.	Paper 1	18857 Wachtor	#18179 Capponi	Chad Walber	Ben Molnehauer	Rafaela da Silva	Babak Moaveni	Dane Quinn
	2:50 p.m.	Paper 2	18938 Vanali	#18301 Bucher		# 18731 - Trainotti	#18561 - Avci	#18371 Banerjee	#18305 - Quinn
	3:10 p.m.	Paper 3		#18315 Zaletelj		# 18848 - Vega	#18532 - Gothard	#18906 Carassale	#18249 - Saunders
	3:30 p.m.	Paper 4		#18353 Tomac		# 18893 - Ferrier	#18625 - Ghaffarian Dallali	18936 Tribbiani	#18307 - Mohammadi
	3:50-4:30 p.m.	Dessert Break in Exhibit Hall				# 18897 - Jackson	#18754 - Wu		#18264 - Porter
		Session #	SYS ID/Wind	COMP VIS	SENSORS & INST	DYN SUBSTRUCT	CIVIL	Highlights/Slavic	NONLINEAR
		Session Title	36	37	38	39	40	41	42
		Organizer (if ap	System Identification III - Wind	Computer Vision and SLDV III	Data Acquisition Techniques	Dynamic Substructuring & DET	Dynamics of Bridges	computing in structural dynamics	Experimental Methods I
		Chair(s)	Todd Griffith	Zhu Mao	Matt Stefanski	Steve Carter	Bjørn Svendsen	Janko Slavič	Ben Pacini
	4:30 p.m.	Paper 1	#18210 Nunez	#18331 Damiani	Chad Walber	Michael Kreutz	Kirk Grimmelsman	Dan Rohe	Ludovic Renson
	4:50 p.m.	Paper 2	#18213 Astroza	#18858 Kim	#18705 - Mains	#18372 - Carter	#18230 - Motamedi	#18771 Slavič	#18316 - Hippold
	5:10 p.m.	Paper 3	#18541 Amer	#18449 Zeng	#18548 - Furlich	#18518 - Kreutz	#18751 - Aggarwal	#18768 Zaletelj	#18319 - Rezaee
	5:30 p.m.	Paper 4		#18688 Yuan	#18345 - Zobel	#18577 - Wu	#18609 - Tavares	#18766 Ocepek	#18328 - Shen
						#18728 - Perez		#18470 Tomac	#18437 - Spits

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WED									
Feb 12	8:00-8:45 a.m.	Breakfast	MODAL	COMP VIS	MVUQ	DYN ENVIRONMENT	CIVIL	SHM	NONLINEAR
		Session #	43	44	45	46	47	48	49
18/room		Session Title	Modal Topics I	CV & Digital Twin	Model Form Uncertainty and Selection including Round Robin Challenge	DET and Dynamic Substructuring	Dynamics of Buildings	Machine Learning in SHM I	Nonlinear System Identification I
126=day		Organizer (if ap)	Kevin Napolitano	Javad Baqersad	Roland Platz, Alana Lund		Yiwen Dong		
		Chair(s)	Jon Furlich	Ed Habtour	Alana Lund	Marcus Behling	Carlos Ventura	Antonio De Luca	Nevzat Özgüven
	9:00 a.m.	Paper 1	#18406 - Napolitano	#18913 Collier	18875, Lund	#18578 - Araujo	19036 - Spencer (KEYNOTE)	18572 Giagopoulos	#18196 - Worden
	9:20 a.m.	Paper 2	#18404 - Napolitano	#18924 Baqersad		#18271 - Beale		18573 Giagopoulos	
	9:40 a.m.	Paper 3	#18473 - Park	#18602 Masmeijer	18471, Bandy	#18465 - Behling	18677 - Shirzadi	18700 Xi	
	10:00 a.m.	Paper 4	#18174 - Staiger		18436, Mohan Kumar	#18538 - Matthews	18340 - Rifai		#18684 - Shetty
	10:20 a.m.	Paper 5				#18368 - Haynes			
	10:40-11:20 a.m.	Coffee Break in Exhibit Hall							
			Modal	COMP VIS	MVUQ	DYN ENVIRONMENT	CIVIL	SHM	NONLINEAR
		Session #	50	51	52	53	54	55	56
		Session Title	Experimental	CV for Civil Structures	Uncertainty Quantification in Sensing Systems	BARC: Past, Present and Future	Dynamics of Rail and Offshore Structures	Machine Learning in SHM II	Nonlinear System Identification II
		Organizer (if ap)		Alessandro Sabato, Tengjiao	Scott Cogan, Scott Ouellette		Knut Andreas Kvåle		
		Chair(s)	Aimee Frame	Alessandro Sabato	Scott Ouellette	Troy Skousen	Piervincenzo Rizzo	Mark Richardson	Nevzat Ozguven
				Tengjiao Jiang	Scott Cogan	Umberto Musella		Keith Worden	Gaetan Kerschen
	11:20 a.m.	Paper 1	# 18901 Rice	#18323 Wang	18468, Lefemmine	# 18396 - Avitabile	18342 - Rizzo	18773 Tatis	#18528 - Allen
	11:40 a.m.	Paper 2	# 18898 Omid Soroor	#18839 Bottalico			18612 - Tronci	18907 Wang	#18388 - Çelik
	12:00 p.m.	Paper 3	#18758 Will	#18497 Bottalico		#18365 - Karlicek	18410 - Shid-Moosavi		18632 Martinelli
	12:20 p.m.	Paper 4		#18557 Avci					
	12:40-2:00 p.m.	IMAC Awards Luncheon							
			MODAL	COMP VIS	MVUQ	DYN ENVIRONMENT	CIVIL	SHM	NONLINEAR
		Session #	57	58	59	60	61	62	63
		Session Title	Modal Topics II	CV and AI	Bayesian Methods for Structural Health Monitoring	Env Definition and Shaker DET	Structural Vibration and Control I	Machine Learning in SHM III	Nonlinear System Identification III
		Organizer (if ap)		Alessandro Sabato	Saeed Eftekhar Azam, Eleni		Scott Harvey, Nicholas		
		Chair(s)	Jacquelyn Moore	Alessandro Sabato	Saeed Eftekhar Azam	Thomas Brown	Nicholas Wierschem	Keith Worden	David Najera
			Luke Jurmu	Nikolaos Dervilis	Tyler Schoenherr	Scott Harvey	Mark Richardson		
	2:00 p.m.	Paper 1	18165 - Amer	#18725 Kulkarni	18510, Moaveni	#18186 - Schoenherr	18676 - Hruby	18362 Culla	#18489 - Quinn
	2:20 p.m.	Paper 2	18412 Figueroa	#18856 Ryu		#18425 - Johnson	18921 - Harvey	18883 Jones	#18460 - Xavier
	2:40 p.m.	Paper 3	18430 do Cabo				18896 - Nonis	18269 Richardson	#18321 - Bacci
	3:00 p.m.	Paper 4					18451 - Sadeqi	18378 Rababah	
	3:20-3:50 p.m.	Coffee Break							
			MODAL	COMP VIS	MVUQ	DYN ENVIRONMENT	CIVIL	SHM	NONLINEAR
		Session #	64	65	66	67	68	69	70
		Session Title	Modal Topics - LANL	Computer Vision and SLDV IV	Surrogate Modeling	Fixture Neutralization and Design	Structural Vibration and Control II	Signal Processing/Prediction for SHM I	Experimental Methods II
		Organizer (if ap)			Kyle Neal, Zhen Hu		Scott Harvey, Nicholas		
		Chair(s)	Peter Fickenwirth	Zhu Mao	Kyle Neal	Cora Taylor	Scott Harvey	Saeed Eftekhar Azam	Ben Pacini
			Shannon Danforth	Dario Di Maio	Zhen Hu	Jim DeClerck	Nicholas Wierschem	Wolfgang Witteveen	Ludovic Renson
	3:50 p.m.	Paper 1	# 18474 Ramirez	#18660 Hockrainer	18243, Qian	#18422 - Skousen	18300 - Markis (KEYNOTE)	18206 Witteveen	#18463 - Ristic
	4:10 p.m.	Paper 2	# 18712 Prsbrey	#18227 Yang	18312, Zhao	#18542 - Matthews		18221 Ulriksen	#18559 - Swan
	4:30 p.m.	Paper 3		#18434 Eitner	18706, Mahadevan	#18698 -Taylor	18866 - Chang	18579 Lindley	#18220 - van Tiggelen
	4:50 p.m.	Paper 4		#18466 Winterhoff	18791, Neal		18815 - Abolghasemi		#18786 - Fochler
	5:10 p.m.	Paper 5			18242, Qian		18920 - Harvey		
	5:30-6:45 p.m.	Panel: Academic Careers: What It's Like and How to Succeed							
	7:00-10:00 p.m.	IMAC Social Event (off-site)							

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THUR									
Feb 13	8:00-8:45 a.m.	Breakfast	MODAL	COMP VIS	MVUQ & Data Sci	DYN ENVIRONMENT	CIVIL	SHM	NONLINEAR
		Session #	71	72	73	74	75	76	77
		Session Title	Modal Vendor Presentations	CV of Rotating Structures	Digital Twin and Data-Driven Models	MIMO DET I	Structural Health Monitoring	Signal Processing/Prediction for SHM II	Numerical Methods I
<i>15/room</i>		Organizer (if ap			Garrison Flynn, Thomas Matarazzo		Matthew Whelan		
<i>105=day</i>		Chair(s)	Mike Mains		Thomas Matarazzo	Shannon Danforth	Matthew Whelan	Saeed Eftekhar Azam	Nidish Narayanaa Balaji
				Dan Rohe	Garrison Flynn	Evan Ferguson	Anders Rønquist		Johann Gross
	9:00 a.m.	Paper 1	#18270 Richardson	#18624 Occhipinti	18280, Auzanneau	#18274 - Schultz	18716 - Duran	18193 Kullaa	#18209 - Witteveen
	9:20 a.m.	Paper 2	# 18294 Beljan	#18622 Ricaurte	18381, Najera	#18287 - Proner	18999- Chaudhary	18225 Sibille	#18484 - Bagheri
	9:40 a.m.	Paper 3	# 18734 Nelson	#18868 Lee	18481, Flynn	#18799 - Kramer	18387 - Gallegos	18855 Toledo Aponte	#18826 - Renson
	10:00 a.m.	Paper 4	18530 Perrier		18598, Walsh	#18376 - Daniels	18417 - Shid-Moosavi	18900 Hoda	#18592 - Gross
	10:20 a.m.	Paper 5				#18806 - Danforth	18860 - Kong	18487 Parker	
	10:40-11:10 a.m.	Coffee Break							
		Session #	78	79	MVUQ	DYN ENVIRONMENT	CIVIL	SHM	NONLINEAR
		Session Title	Modal Topics III	Beyond CV	Propagation in Structural Dynamics I	MIMO DET II	Structural Health Monitoring / Digital Twinning	Modal/Input Identification for SHM	Numerical Methods II
		Organizer (if ap			Babak Moaveni, Costas Papadimitriou				
		Chair(s)	Jason Cook	Javad Baqersad	Babak Moaveni	Brandon Zwink	Fernando Moreu	Marcello Vanali	Nidish Narayanaa Balaji
				Klemen Zaletelj	Costas Papadimitriou	Clayton Morgan	Anika Sarkar	Johann Gross	
	11:10 a.m.	Paper 1	18505 Gulkanov	#18407 Abla	18810, Denimal Goy	#18373 - Haynes	18881 - Duran	18291 Le	#18666 - Celiksoz
	11:30 a.m.	Paper 2	18529 Perez	#18355 Mastrodicasa	18499, Shirzadi	#18205 - Proner	18750 - Coulibaly	18937 Vanali	#18405 - Pitzal
	11:50 a.m.	Paper 3	18628 Bartlett	#18511 Taslicay	18366, Maji	#18276 - Cross	18546 - Sanayei		#18427 - Kwarta
	12:10 p.m.	Paper 4	18647 Hatzissawidis	#18537 Rohe	18726, Gres	#18295 - Throneberry			#18778 - Balaji
	12:30 p.m.	Paper 5	18695 Perez	#18694 Masmeyer	18646, Marquez				
	12:50-1:50 p.m.	lunch							
		Session #	85	86	MVUQ	DYN ENVIRONMENT	CIVIL	SHM	NONLINEAR
		Session Title	Modal Topics IV	Computer Vision and SLDV V	Uncertainty Quantification and Propagation in Structural Dynamics II	Transient DET	Digital Twinning	SHM Applications: Bridges and Wind Turbines	Joints - Numerical methods
		Organizer (if ap			Babak Moaveni, Costas Papadimitriou		Eleonara Tronci, Masoud		
		Chair(s)	Jason Cook	Dario Di Maio	Costas Papadimitriou	David Soine	Eleonora Tronci	Joel Sills	Matthew Brake
			Joshua Mills	David Mascarenas		Pablo Tarazaga	Babak Moaveni	Matt Allen	Christoph Schwingshackl
	1:50 p.m.	Paper 1	#18729 Rasmussen	#18852 Bryant	18752, Dabbaghchian	#18337 - Soine	18526 - Moaveni	18250 Taze	#18267 - Dhar
	2:10 p.m.	Paper 2	#18756 Whitworth	#18710 Zhu	18562, Cianci	#18367 - Bouma	18707 - Mahadevan	18281 Svendsen	#18350 - Lehmköster
	2:30 p.m.	Paper 3	#18742 Hahn	#18667 Mascarenas	18566, Stoura	#18534 - Turner		18398 Zeng	#18359 - Linder
	2:50 p.m.	Paper 4		#18482 Ribeiro	18975, Giannini	#18535 - Turner		18423 Abla	#18802 - Kelly
	3:10 p.m.	Paper 5				#18426 - Alvis		18444 B R	
<i>448 Pres</i>									