

PROGRAMME OVERVIEW

DAY 1 - MONDAY, JUNE 28

Athens Time	Zoom Room 1	Zoom Room 2	Zoom Room 3	Zoom Room 4	Zoom Room 5	Zoom Room 6	Zoom Room 7	Zoom Room 8	Zoom Room 9	Zoom Room 10
12:00-12:15	OPENING									
12:15-13:35	COMPdyn-UNCECOMP PLENARY LECTURES Shinobu Yoshimura Sondipon Adhikari	EUROGEN PLENARY LECTURES Zhan Kang Gilbert Roge								
13:35-13:40	Break									
TECHNICAL SESSIONS										
13:40-15:40	COMPdyn MS 12 ADVANCES IN COMPUTATIONAL MODELLING, EXPERIMENTAL TESTING AND OPTIMIZATION OF SEISMIC RETROFITTING	COMPdyn MS 2 REPAIR AND RETROFIT OF STRUCTURES	COMPdyn MS 42 ADVANCES IN MODEL REDUCTION TECHNIQUES OF COMPUTATIONAL AND STRUCTURAL DYNAMICS	COMPdyn MS 3 RECENT ADVANCES AND CHALLENGES IN GEOTECHNICAL EARTHQUAKE ENGINEERING COMPdyn TS 21 - I SEISMIC RISK AND RELIABILITY ANALYSIS	EUROGEN MS 7 OPTIMIZATION AND CONTROL INNOVATIVE DIGITALIZED METHODS FOR SOLVING NEW DESIGN CHALLENGES TOWARDS A NEUTRAL CLIMATE AVIATION	COMPdyn MS 29 SEISMIC PROTECTION OF NON-STRUCTURAL COMPONENTS: RECENT DEVELOPMENTS AND FUTURE CHALLENGES	UNCECOMP MS 8 DATA-DRIVEN UNCERTAINTY QUANTIFICATION AND DATA ASSIMILATION USING MANIFOLD LEARNING WITH SPARSE AND LOW-RANK REPRESENTATIONS	COMPdyn MS 11 RECENT FINDINGS AND OPEN ISSUES IN SEISMIC PERFORMANCE ASSESSMENT OF AS-BUILT AND RETROFITTED EXISTING RC BUILDINGS	UNCECOMP MS 14 CHALLENGES IN MODELLING FOR STRUCTURAL DESIGN IN THE PRESENCE OF POLYMORPHIC UNCERTAINTY	COMPdyn MS 13 MODELLING AND SOLUTION STRATEGIES FOR DYNAMIC PROBLEMS
						Round Table C-MS 29				
15:40-16:00	Break									
TECHNICAL SESSIONS										
16:00-18:00	COMPdyn MS 20 COMPUTATIONAL DESIGN AND MODELING OF TENSEGRITY SYSTEMS FOR APPLICATIONS IN SCIENCE AND ENGINEERING COMPdyn MS 1 - I INFLUENCE OF INFILL MASONRY WALLS IN THE RESPONSE AND SAFETY OF BUILDINGS	COMPdyn MS 33 - I EXPERIMENTAL MEASUREMENTS AND NUMERICAL SIMULATION ON PROBLEMS IN THE FIELD OF EARTHQUAKE ENGINEERING AND STRUCTURAL DYNAMICS	COMPdyn MS 34 - I FRAGILITY CURVES FOR EXISTING BUILDINGS: OPEN CHALLENGES IN THEIR DEFINITION AND USE FOR SEISMIC RISK ANALYSES	COMPdyn TS 21 - II SEISMIC RISK AND RELIABILITY ANALYSIS COMPdyn TS 20 SEISMIC ISOLATION	EUROGEN TS 21 MULTIDISCIPLINARY, MULTIPHYSICS, MULTI-OBJECTIVES AND MULTI-CRITERIA OPTIMIZATION METHODS	COMPdyn TS 17 - I PERFORMANCE-BASED EARTHQUAKE ENGINEERING	UNCECOMP MS 3 NON-DETERMINISTIC COMPUTATIONAL HOMOGENIZATION OF HETEROGENEOUS MATERIALS UNCECOMP MS 13 - I MULTISCALE ANALYSIS AND DESIGN OF RANDOM HETEROGENEOUS MEDIA	COMPdyn TS 32 DYNAMICS OF STEEL AND SLENDER STRUCTURES	UNCECOMP MS 2 - I UNCERTAINTY QUANTIFICATION UNDER LIMITED DATA	UNCECOMP MS 7 UNCERTAINTY QUANTIFICATION AND MACHINE LEARNING FOR MODELING AND OPTIMIZATION
	Break									
18:05-18:45	COMPdyn PLENARY LECTURE Boris Jeremic	UNCECOMP PLENARY LECTURE Petros Koumoutsakos								
18:45-18:50	Break									
TECHNICAL SESSIONS										
18:50-20:50	COMPdyn MS 1 - II INFLUENCE OF INFILL MASONRY WALLS IN THE RESPONSE AND SAFETY OF BUILDINGS COMPdyn TS 5 DYNAMICS OF CONCRETE AND MASONRY STRUCTURES	COMPdyn MS 33 - II EXPERIMENTAL MEASUREMENTS AND NUMERICAL SIMULATION ON PROBLEMS IN THE FIELD OF EARTHQUAKE ENGINEERING AND STRUCTURAL DYNAMICS	COMPdyn MS 34 - II FRAGILITY CURVES FOR EXISTING BUILDINGS: OPEN CHALLENGES IN THEIR DEFINITION AND USE FOR SEISMIC RISK ANALYSES	EUROGEN TS 33 ADJOINT BASED AND ONE-SHOT METHODS EUROGEN TS 34 MATERIAL AND NON-LOCAL OPTIMIZATION PROBLEMS	EUROGEN MS 2 OPTIMIZATION IN STRUCTURAL ENGINEERING AND CONTROL	COMPdyn TS 17 - II PERFORMANCE-BASED EARTHQUAKE ENGINEERING	UNCECOMP MS 13 - II MULTISCALE ANALYSIS AND DESIGN OF RANDOM HETEROGENEOUS MEDIA	COMPdyn MS 35 RECENT ADVANCES IN SEISMIC ISOLATION AND SUPPLEMENTAL DAMPING SYSTEMS FOR VIBRATION CONTROL	UNCECOMP MS 2 - II UNCERTAINTY QUANTIFICATION UNDER LIMITED DATA	UNCECOMP MS 1 - I UNCERTAINTY QUANTIFICATION IN VIBRATION BASED MONITORING AND STRUCTURAL DYNAMICS SIMULATIONS
			Round Table C-MS 34	Round Table U-MS 13						

DAY 2 - TUESDAY, JUNE 29

Athens Time	Zoom Room 1	Zoom Room 2	Zoom Room 3	Zoom Room 4	Zoom Room 5	Zoom Room 6	Zoom Room 7	Zoom Room 8	Zoom Room 9	Zoom Room 10	
12:00-13:20	COMPDPN SEMI-PLENARY LECTURES Denis Duhamel Muneo Hori	COMPDPN SEMI-PLENARY LECTURES Giuseppe Muscolino Fernando Fraternali	UNCECOMP SEMI-PLENARY LECTURES David Moens Chao Jiang	UNCECOMP SEMI-PLENARY LECTURES Fabio Nobile Raul Tempone	EUROGEN SEMI-PLENARY LECTURES Shigeru Obayashi Takayuki Yamada	EUROGEN SEMI-PLENARY LECTURES Xu Guo Gil Yoon					
13:20-13:25	Break										
13:25-15:25	TECHNICAL SESSIONS										
	COMPDPN MS 4 - I ADVANCEMENTS IN NUMERICAL MODELLING AND SEISMIC INTERVENTION TECHNIQUES OF HISTORICAL MASONRY STRUCTURES	COMPDPN MS 10 VULNERABILITY OF MUSEUM'S COLLECTIONS DYNAMIC RESPONSE, SAFETY ASSESSMENT AND DIGITAL INNOVATIONS	COMPDPN MS 6 - I ADVANCES ON SEISMIC ASSESSMENT AND LOCAL COLLAPSE MECHANISMS OF RIGID BLOCKS IN STRUCTURES AND INFRASTRUCTURES	COMPDPN MS 32 - I SIMPLIFIED METHODOLOGIES FOR PERFORMANCE AND LOSS ASSESSMENT AT BUILDING OR TERRITORIAL SCALE	EUROGEN MS 4 ADJOINT METHODS FOR MULTI-PHYSICS, INCLUDING APPLICATIONS	COMPDPN MS 7 - I NEW ADVANCES IN COMPUTATIONAL MODELLING AND EXPERIMENTAL TESTING OF INFILLED FRAMES (2ND EDITION)	UNCECOMP TS 21 - I UNCERTAINTY QUANTIFICATION, SYSTEM RELIABILITY ANALYSIS AND RISK ASSESSMENT	COMPDPN MS 30 - I DYNAMIC PROTECTION SYSTEMS AND DEVICES: EXPERIMENTAL TESTS, MATHEMATICAL MODELING AND DESIGN METHODS	UNCECOMP MS 10 - I SURROGATE MODELS FOR UNCERTAINTY QUANTIFICATION, RELIABILITY AND SENSITIVITY ANALYSIS	UNCECOMP MS 1 - II UNCERTAINTY QUANTIFICATION IN VIBRATION BASED MONITORING AND STRUCTURAL DYNAMICS SIMULATIONS	
		Round Table C-MS 10			Round Table E-MS 4					Round Table U-MS 1	
15:25-15:45	Break										
15:45-17:45	TECHNICAL SESSIONS										
	COMPDPN MS 4 - II ADVANCEMENTS IN NUMERICAL MODELLING AND SEISMIC INTERVENTION TECHNIQUES OF HISTORICAL MASONRY STRUCTURES	COMPDPN MS 33 - III EXPERIMENTAL MEASUREMENTS AND NUMERICAL SIMULATION ON PROBLEMS IN THE FIELD OF EARTHQUAKE ENGINEERING AND STRUCTURAL DYNAMICS	COMPDPN MS 6 - II ADVANCES ON SEISMIC ASSESSMENT AND LOCAL COLLAPSE MECHANISMS OF RIGID BLOCKS IN STRUCTURES AND INFRASTRUCTURES	COMPDPN MS 32 - II SIMPLIFIED METHODOLOGIES FOR PERFORMANCE AND LOSS ASSESSMENT AT BUILDING OR TERRITORIAL SCALE	EUROGEN MS 6 SOFT COMPUTING METHODS AND APPLICATIONS IN CIVIL AND STRUCTURAL ENGINEERING	COMPDPN MS 7 - II NEW ADVANCES IN COMPUTATIONAL MODELLING AND EXPERIMENTAL TESTING OF INFILLED FRAMES (2ND EDITION)	UNCECOMP TS 21 - II UNCERTAINTY QUANTIFICATION, SYSTEM RELIABILITY ANALYSIS AND RISK ASSESSMENT	COMPDPN MS 30 - II DYNAMIC PROTECTION SYSTEMS AND DEVICES: EXPERIMENTAL TESTS, MATHEMATICAL MODELING AND DESIGN METHODS	UNCECOMP MS 10 - II SURROGATE MODELS FOR UNCERTAINTY QUANTIFICATION, RELIABILITY AND SENSITIVITY ANALYSIS	UNCECOMP MS 6 MACHINE LEARNING AND UNCERTAINTY QUANTIFICATION IN BIOLOGICAL SYSTEMS	
			COMPDPN MS 17 - I RECENT DEVELOPMENTS IN ROCKING STRUCTURES	COMPDPN MS 36 METHODOLOGIES AND ADVANCED TOOLS FOR SEISMIC RISK ASSESSMENT, MANAGEMENT, AND MITIGATION: ADVANCES AND OPEN CHALLENGES	EUROGEN TS 2 AERONAUTICAL AEROSPACE AND SPACE ENGINEERING	Round Table C-MS 7		COMPDPN MS 38 - I DYNAMIC SOIL-FOUNDATION-STRUCTURE INTERACTION: DEVELOPMENTS AND EMERGING ISSUES			
17:45-17:50	Break										
17:50-19:10	COMPDPN SEMI-PLENARY LECTURES Alexander Idesman Jean-Mathieu Mencik	UNCECOMP SEMI- PLENARY LECTURES Alireza Doostan Hector Jensen	EUROGEN SEMI- PLENARY LECTURES Mateo Pini Kaisa Miettinen	EUROGEN SEMI- PLENARY LECTURES David Greiner Boyan Lazarov	EUROGEN SEMI- PLENARY LECTURES Emilio Fortunato Campana Matthijs Langelaar						
19:10-19:15	Break										
19:15-21:15	TECHNICAL SESSIONS										
	COMPDPN MS 4 - III ADVANCEMENTS IN NUMERICAL MODELLING AND SEISMIC INTERVENTION TECHNIQUES OF HISTORICAL MASONRY STRUCTURES	COMPDPN MS 33 - IV EXPERIMENTAL MEASUREMENTS AND NUMERICAL SIMULATION ON PROBLEMS IN THE FIELD OF EARTHQUAKE ENGINEERING AND STRUCTURAL DYNAMICS	COMPDPN MS 17 - II RECENT DEVELOPMENTS IN ROCKING STRUCTURES	COMPDPN MS 16 DYNAMIC RESPONSE ASSESSMENT IN RAIL TRACK ENGINEERING	EUROGEN TS 32 OPTIMIZATION UNDER UNCERTAINTY-HYBRID METHODS, METAHEURISTICS AND EVOLUTIONARY ALGORITHMS, MACHINE LEARNING	COMPDPN MS 39 THE CONTRIBUTION OF DYNAMIC TESTS AND STRUCTURAL MONITORING ON THE SEISMIC RISK ASSESSMENT AND MITIGATION	UNCECOMP TS 21 - III UNCERTAINTY QUANTIFICATION, SYSTEM RELIABILITY ANALYSIS AND RISK ASSESSMENT	COMPDPN MS 38 - II DYNAMIC SOIL-FOUNDATION-STRUCTURE INTERACTION: DEVELOPMENTS AND EMERGING ISSUES	UNCECOMP MS 10 - III SURROGATE MODELS FOR UNCERTAINTY QUANTIFICATION, RELIABILITY AND SENSITIVITY ANALYSIS	Round Table U-MS 6	
	7 + 1will	Round Table C-MS 33		COMPDPN MS 41 - I SEISMIC PERFORMANCE OF STRUCTURES WITH ISOLATION AND/OR ENERGY DISSIPATION DEVICES			COMPDPN TS 28 STOCHASTIC DYNAMICS	Round Table C-MS 38			

DAY 3 - WEDNESDAY, JUNE 30

Athens Time	Zoom Room 1	Zoom Room 2	Zoom Room 3	Zoom Room 4	Zoom Room 5	Zoom Room 6	Zoom Room 7	Zoom Room 8	Zoom Room 9	Zoom Room 10	
TECHNICAL SESSIONS											
12:00-14:00	COMPdyn MS 4 - IV ADVANCEMENTS IN NUMERICAL MODELLING AND SEISMIC INTERVENTION TECHNIQUES OF HISTORICAL MASONRY STRUCTURES	COMPdyn MS 27 - I TIMBER-BASED ELEMENTS: RECENT ADVANCEMENTS FOR NEW AND EXISTING SEISMIC-RESISTANT STRUCTURES	COMPdyn MS 37 - I RISK ASSESSMENT OF BRIDGES AND ROAD NETWORKS SUBJECTED TO NATURAL HAZARDS	COMPdyn MS 41 - II SEISMIC PERFORMANCE OF STRUCTURES WITH ISOLATION AND/OR ENERGY DISSIPATION DEVICES	UNCECOMP MS 4 ADVANCES IN DATA-DRIVEN MODELING AND APPLICATIONS	COMPdyn MS 43 ANALYSES AND DESIGN OF STEEL JOINTS UNDER CYCLIC ACTION	UNCECOMP MS 12 SOFTWARE FOR UNCERTAINTY QUANTIFICATION	COMPdyn MS 22 CONDITION BASED MAINTENANCE AND POST-PROGNOSTICS OF COMPOSITE STRUCTURES: AN ENHANCED PLATFORM COMPdyn MS 40 - I ARTIFICIAL INTELLIGENCE & MACHINE LEARNING IN DESIGN AND ASSESSMENT OF STRUCTURES	COMPdyn MS 19 ADVANCES IN THE OPTIMUM DESIGN AND CONTROL OF LARGE STRUCTURES UNDER DYNAMIC LOADS	COMPdyn MS 25 - I MONITORING, IDENTIFICATION AND VIBRATION CONTROL OF STRUCTURES	
	Break										
TECHNICAL SESSIONS											
14:05-16:05	COMPdyn MS 4 - V ADVANCEMENTS IN NUMERICAL MODELLING AND SEISMIC INTERVENTION TECHNIQUES OF HISTORICAL MASONRY STRUCTURES	COMPdyn MS 27 - II TIMBER-BASED ELEMENTS: RECENT ADVANCEMENTS FOR NEW AND EXISTING SEISMIC-RESISTANT STRUCTURES	COMPdyn MS 37 - II RISK ASSESSMENT OF BRIDGES AND ROAD NETWORKS SUBJECTED TO NATURAL HAZARDS	COMPdyn MS 41 - III SEISMIC PERFORMANCE OF STRUCTURES WITH ISOLATION AND/OR ENERGY DISSIPATION DEVICES	COMPdyn MS 14 SEISMIC ASSESSMENT AND RETROFITTING OF EXISTING STEEL STRUCTURES	COMPdyn MS 23 ADVANCED MODELS AND NUMERICAL METHODS IN DYNAMICS, WAVE PROPAGATION AND COUPLED PROBLEMS	COMPdyn TS 31 - I NUMERICAL SIMULATION OF GEOTECHNICAL PROBLEMS	COMPdyn MS 40 - II ARTIFICIAL INTELLIGENCE & MACHINE LEARNING IN DESIGN AND ASSESSMENT OF STRUCTURES	Round Table C-MS 19	COMPdyn MS 25 - II MONITORING, IDENTIFICATION AND VIBRATION CONTROL OF STRUCTURES	
	Round Table C-MS 4			Round Table C-MS 41	Round Table C-MS 14			Round Table C-MS 40			
Break											
16:25-18:25	COMPdyn PLENARY LECTURES Peter Betsch Geert Lombaert Gabriele Milani	COMPdyn PLENARY LECTURE Hong Hao UNCECOMP PLENARY LECTURES George Karniadakis Bruno Sudret	EUROGEN PLENARY LECTURES Kalyanmoy Deb Thomas Rung Panos M. Pardalos								
Break											
TECHNICAL SESSIONS											
18:30-20:30	COMPdyn TS 19 REPAIR AND RETROFIT OF STRUCTURES	COMPdyn TS 34 NONLINEAR AND IMPACT DYNAMICS	COMPdyn TS 14 NUMERICAL SIMULATION METHODS FOR DYNAMIC PROBLEMS	COMPdyn TS 15 OPTIMUM DESIGN AND CONTROL IN STRUCTURAL DYNAMICS AND EARTHQUAKE ENGINEERING	COMPdyn TS 33 AEROELASTICITY, SOUND AND VIBRATION AND BRIDGE DYNAMICS	COMPdyn MS 24 LIFE-CYCLE RISK-BASED STRUCTURAL ASSESSMENT AND COST ANALYSIS	COMPdyn TS 31 - II NUMERICAL SIMULATION OF GEOTECHNICAL PROBLEMS COMPdyn MS 8 A MATTER OF SCALE: FROM REAL-TIME MONITORING TO AREA-WIDE SEISMIC RISK ASSESSMENT	UNCECOMP MS 11 SENSORS PLACEMENT UNDER UNCERTAIN INFORMATION UNCECOMP MS 15 BAYESIAN INFERENCE AND MACHINE LEARNING FOR CHALLENGING ENGINEERING APPLICATIONS	COMPdyn MS 9 NONLINEAR MODELLING AND ASSESSMENT OF EXISTING REINFORCED CONCRETE ELEMENTS	COMPdyn MS 26 SEISMIC SAFETY ASSESSMENT OF STRUCTURES	