

Sunday - November 3rd

TOPÁZIO ROOM		CONGRESS OFFICE	
Time	Activity	Time	Activity
15:00 - 18:00		15:00 - 18:00	Delivery of material and registration onsite
18:00 - 20:00	Opening ceremony with guests	18:00 - 20:00	
18:30 - 19:20	Plenary lecture (Innovation in the university of São Paulo: pushing economy responsibility, Vanderlei Salvador Bagnato, Brazil)	18:30 - 19:20	
19:30 - 20:30	ABCM Embraer Prize Award Ceremony	19:30 - 20:30	
20:00 - 22:00	Welcome Cocktail	20:00 - 22:00	

Monday - November 4th

TOPÁZIO ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Energy and thermal sciences)
10:00 - 10:30	Coffee Break
10:30 - 11:20	Keynote lecture (Challenges and strategies for implementing industrial innovation in Brazil, João Fernando Gomes de Oliveira, Brazil)
11:20 - 12:10	Keynote lecture (Can we learn how to walk from a robot?, Paolo Bonato, United States)
12:10 - 13:30	Lunch
13:00 - 15:30	Symposium (Technological Challenges and Opportunities Facing Brazilian Industry)
15:30 - 16:00	Coffee Break
16:00 - 18:40	Symposium (Technological Challenges and Opportunities Facing Brazilian Industry)
18:00 - 19:30	ABCM committees meetings

RUBI ROOM	
Time	Activity
08:00 - 09:20	Oral presentations (Refrigeration, air conditioning and ventilation)
9:20 - 10:10	Keynote lecture (Active magnetic regenerators: impacts of materials and design on performance, Andrew Rowe, Canada)
10:10 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Refrigeration, air conditioning and ventilation)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Refrigeration, air conditioning and ventilation)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Fluid mechanics and rheology)
18:00 - 19:30	ABCM committees meetings

TURQUESA ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Combustion and environmental engineering)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Combustion and environmental engineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Combustion and environmental engineering)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Combustion and environmental engineering)
18:00 - 19:30	ABCM committees meetings

ONIX ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Combustion and environmental engineering)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Combustion and environmental engineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Combustion and environmental engineering)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Fluid mechanics and rheology)
18:00 - 19:30	ABCM committees meetings

SAFIRA ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Fluid mechanics and rheology)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Fluid mechanics and rheology)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Fluid mechanics and rheology)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Product engineering)
18:00 - 19:30	ABCM committees meetings

AMETISTA ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Fluid mechanics and rheology)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Fluid mechanics and rheology)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Fluid mechanics and rheology)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Materials and Manufacturing Engineering)
18:00 - 19:30	ABCM committees meetings

OPALA ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Energy and thermal sciences)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Energy and thermal sciences)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Energy and thermal sciences)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Energy and thermal sciences)
18:00 - 19:30	ABCM committees meetings

AGATA ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Offshore and petroleum engineering)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Offshore and petroleum engineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Materials and Manufacturing Engineering)
15:30 - 16:00	Coffee Break
16:00 - 16:50	Keynote Lecture (Engineering characteristics of the high-manganese austenitic steels for automotive application, Leszek Adam Dobrzański, Poland)
16:50 - 17:50	Oral presentations (Materials and Manufacturing Engineering)
18:00 - 19:30	ABCM committees meetings

CRISTAL ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Bioengineering)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Offshore and petroleum engineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Bioengineering)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Bioengineering)
18:00 - 19:30	ABCM committees meetings

Tuesday - November 5th

TOPAZIO ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Combustion and environmental engineering)
10:00 - 10:30	Coffee Break
10:30 - 11:20	Keynote lecture (Multiscale simulation of multi-physics processes in combustion, Kai Hong Luo, United Kingdom)
11:20 - 12:10	Oral presentations (Materials and manufacturing engineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Product engineering)
15:30 - 16:00	Coffee Break
16:00 - 16:50	Keynote lecture (Next generation smart product and systems engineering, Rainer Stark, Germany)
16:50 - 18:10	Oral presentations (Product engineering)
20:00	Conference Banquet at TAM's Museum

RUBI ROOM	
Time	Activity - Theme
08:00 - 09:20	Oral presentations (Fluid mechanics and rheology)
9:20 - 10:10	Keynote lecture (Experiments in dense multiphase flows: when lasers fail, Robert F. Mudde, The Netherlands)
10:10 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Fluid mechanics and rheology)
12:10 - 13:30	Lunch
13:30 - 14:50	Oral presentations (Nano and microfluidic and micro-systems)
14:50 - 15:40	Keynote lecture (Boiling in microchannels: overview of recent advances in experimental, modeling and numerical work, John Thome, Switzerland)
15:40 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Fluid mechanics and rheology)
20:00	Conference Banquet at TAM's Museum

TURQUESA ROOM	
Time	Activity
08:00 - 10:00	Oral presentations (Nano and microfluidic and micro-systems)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Nano and microfluidic and micro-systems)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Nuclear engineering)
15:30 - 16:00	Coffee Break
16:00 - 16:50	Keynote lecture (Use of nanofluids for enhanced nuclear reactor operation and safety, Hécio Rangel Barreto Orlande, Brazil)
16:50 - 18:10	Oral presentations (Nuclear engineering)
20:00	Conference Banquet at TAM's Museum

ONIX ROOM	
Time	Activity - Theme
08:00 - 10:00	Oral presentations (Refrigeration, air conditioning and ventilation)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Refrigeration, air conditioning and ventilation)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Fluid mechanics and rheology)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Santos Dumont Lecture
20:00	Conference Banquet at TAM's Museum

SAFIRA ROOM	
Time	Activity - Theme
08:00 - 10:00	Oral presentations (Product engineering)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Product engineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Aerospace engineering)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Aerospace engineering)
20:00	Conference Banquet at TAM's Museum

AMETISTA ROOM	
Time	Activity - Theme
08:00 - 10:00	Oral presentations (Materials and manufacturing engineering)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Materials and manufacturing engineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Materials and manufacturing engineering)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Materials and manufacturing engineering)
20:00	Conference Banquet at TAM's Museum

OPALA ROOM	
Time	Activity - Theme
08:00 - 10:00	Oral presentations (Energy and thermal sciences)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Energy and thermal sciences)
12:10 - 13:30	Lunch (Study and Research in Germany)
13:30 - 15:30	Oral presentations (Energy and thermal sciences)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Materials and manufacturing engineering)
20:00	Conference Banquet at TAM's Museum

AGATA ROOM	
Time	Activity - Theme
08:00 - 10:00	Oral presentations (Mechatronics and automation)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Offshore and petroleum engineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Offshore and petroleum engineering)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Offshore and petroleum engineering)
20:00	Conference Banquet at TAM's Museum

CRISTAL ROOM	
Time	Activity - Theme
08:00 - 10:00	Oral presentations (Bioengineering)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Bioengineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Bioengineering)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Fracture, fatigue and structural integrity)
20:00	Conference Banquet at TAM's Museum

POSTER AREA	
Time	Activity - Theme
08:00 - 10:00	Poster presentations
10:00 - 10:30	Coffee Break
10:30 - 12:10	Poster presentations
12:10 - 13:30	Lunch
13:30 - 15:30	Poster presentations
15:30 - 16:00	Coffee Break
16:00 - 18:00	Poster presentations
20:00	

Wednesday - November 6th

TOPAZIO ROOM	
Time	Activity
08:20 - 10:30	Oral presentations (Smart materials and structures)
10:00 - 10:30	Coffee Break
10:30 - 11:20	Keynote lecture (Tribute to Eng Nobuo Oguri, Chair: Luiz Bevilacqua, Brazil)
11:20 - 12:10	Keynote lecture (Conjugated heat and fluid flow in micro-systems, Renato Cotta, Brazil)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
15:30 - 16:00	Coffee Break
16:00 - 16:50	Keynote lecture (Vibro-acoustic engineering challenges in hybrid and electric vehicles, Herman Van der Auweraer, Belgium)
16:50 - 18:10	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
18:20 - 19:20	ABCM Plenary

RUBI ROOM	
Time	Activity
08:20 - 09:20	Oral presentations (Aerospace engineering)
9:20 - 10:10	Keynote lecture (Simplifying complexity in multi-physics aerospace analyses, Sukumar R. Chakravarthy, United States)
10:10 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Aerospace engineering)
12:10 - 13:30	Lunch
13:30 - 14:50	Oral presentations (Aerospace engineering)
14:50 - 15:40	Keynote lecture (Modeling laminated plates by meshless methods: potential applications for aeronautical structures, Antonio Joaquim Mendes Ferreira, Portugal)
15:40 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Aerospace engineering)
18:20 - 19:20	

TURQUESA ROOM	
Time	Activity
08:20 - 10:00	Oral presentations (Energy and Thermal Sciences)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Mechatronics and automation)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Mechatronics and automation)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Solid mechanics)
18:20 - 19:20	

ONIX ROOM	
Time	Activity
08:20 - 10:00	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Mechatronics and automation)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Mechatronics and automation)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Mechatronics and automation)
18:20 - 19:20	

SAFIRA ROOM	
Time	Activity
08:20 - 10:00	Oral presentations (Solid mechanics)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Mechatronics and automation)
18:20 - 19:20	

AMETISTA ROOM	
Time	Activity
08:20 - 10:00	Oral presentations (Materials and manufacturing engineering)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Piping and pressure vessels)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Fracture, fatigue and structural integrity)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Piping and pressure vessels)
18:20 - 19:20	

OPALA ROOM	
Time	Activity
08:20 - 10:00	Oral presentations (Materials and manufacturing engineering)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Fracture, fatigue and structural integrity)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Materials and manufacturing engineering)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Aerospace engineering)
18:20 - 19:20	

AGATA ROOM	
Time	Activity
08:20 - 10:00	Oral presentations (Energy and thermal sciences)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Energy and thermal sciences)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Energy and thermal sciences)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Energy and thermal sciences)
18:20 - 19:20	

CRISTAL ROOM	
Time	Activity
08:20 - 10:00	Oral presentations (Energy and thermal sciences)
10:00 - 10:30	Coffee Break
10:30 - 12:10	Oral presentations (Materials and manufacturing engineering)
12:10 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Energy and thermal sciences)
15:30 - 16:00	Coffee Break
16:00 - 18:00	Oral presentations (Energy and thermal sciences)
18:20 - 19:20	

POSTER AREA	
Time	Activity
08:00 - 10:00	Poster presentations
10:00 - 10:30	Coffee Break
10:30 - 12:10	Poster presentations
12:10 - 13:30	Lunch
13:30 - 15:30	Poster presentations
15:30 - 16:00	Coffee Break
16:00 - 18:00	Poster presentations
18:20 - 19:20	

Thursday - November 7th

TOPAZIO ROOM		RUBI ROOM		TURQUESA ROOM	
Time	Activity	Time	Activity	Time	Activity
08:00 - 10:30	Oral presentations (Mechatronics and automation)	08:00 - 10:30	Oral presentations (Solid mechanics)	08:00 - 10:30	Oral presentations (Smart materials and structures)
		9:20 - 10:10	Keynote lecture (Impact response of graded cellular solids, Lu Guoxing, Singapore)		
10:00 - 10:30	Coffee Break	10:10 - 10:30	Coffee Break	10:00 - 10:30	Coffee Break
10:30 - 11:20	Keynote lecture (Modal analysis and testing nonlinear structures, Gaëtan Kerschen, Belgium)	10:30 - 12:00	Oral presentations (Mechatronics and automation)	10:30 - 12:00	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
11:20 - 12:10	Keynote lecture (The influence of the constitutive modeling on the nonlinear dynamics of pseudoelastic oscillators, Davide Bernardini, Italy)				
12:10 - 13:30	Lunch	12:00 - 13:30	Lunch	12:00 - 13:30	Lunch
13:30 - 14:50	Oral presentations (Non-linear phenomena)	13:30 - 14:50	Oral presentations (Mechatronics and automation)	13:30 - 15:30	Oral presentations (Smart materials and structures)
14:50 - 15:40	Keynote lecture (Modeling and analysis of nonlinear dynamical systems, Muhammad Hajj, United States)	14:50 - 15:40	Keynote lecture (Human robotics, Etienne Burdet, United Kingdom)		
15:40 - 16:00	Coffee Break	15:40 - 16:00	Coffee Break	15:30 - 16:00	Coffee Break
16:00 - 17:40	Oral presentations (Mechatronics and automation)	16:00 - 17:40	Oral presentations (Mechatronics and automation)	16:00 - 17:40	Oral presentations (Smart materials and structures)
18:00	Closing ceremony	18:00		18:00	

ONIX ROOM		SAFIRA ROOM		AMETISTA ROOM	
Time	Activity	Time	Activity	Time	Activity
08:00 - 10:30	Oral presentations (Aerospace engineering)	08:00 - 10:30	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)	08:00 - 10:30	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
10:00 - 10:30	Coffee Break	10:00 - 10:30	Coffee Break	10:00 - 10:30	Coffee Break
10:30 - 12:00	Oral presentations (Aerospace engineering)	10:30 - 12:00	Oral presentations (Non-linear phenomena)	10:30 - 12:00	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
12:00 - 13:30	Lunch	12:00 - 13:30	Lunch	12:00 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Aerospace engineering)	13:30 - 14:50	Oral presentations (Solid mechanics)	13:30 - 15:30	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
		14:50 - 15:40	Keynote lecture (Propagation of compaction waves in layered metal foam materials subjected to impact loading, Dora Karagiozova, Bulgaria)		
15:30 - 16:00	Coffee Break	15:30 - 16:00	Coffee Break	15:30 - 16:00	Coffee Break
16:00 - 17:40	Oral presentations (Aerospace engineering)	16:00 - 17:40	Oral presentations (Non-linear phenomena)	16:00 - 17:40	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)
18:00		18:00		18:00	

OPALA ROOM		AGATA ROOM		CRISTAL ROOM	
Time	Activity	Time	Activity	Time	Activity
08:00 - 10:30	Oral presentations (Quantification of uncertainties and stochastic modelling)	08:00 - 10:30	Oral presentations (Non-linear phenomena)	08:00 - 10:30	Oral presentations (Mechatronics and automation)
10:00 - 10:30	Coffee Break	10:00 - 10:30	Coffee Break	10:00 - 10:30	Coffee Break
10:30 - 12:00	Oral presentations (Quantification of uncertainties and stochastic modelling)	10:30 - 12:00	Oral presentations (Solid mechanics)	10:30 - 12:00	Oral presentations (Solid mechanics)
12:00 - 13:30	Lunch	12:00 - 13:30	Lunch	12:00 - 13:30	Lunch
13:30 - 15:30	Oral presentations (Dynamics, control, vibrations and acoustics of mechanical systems)	13:30 - 15:30	Oral presentations (Aerospace engineering)	13:30 - 15:30	Oral presentations (Solid mechanics)
15:30 - 16:00	Coffee Break	15:30 - 16:00	Coffee Break	15:30 - 16:00	Coffee Break
16:00 - 17:40	Oral presentations (Quantification of uncertainties and stochastic modelling)	16:00 - 17:40	Oral presentations (Solid mechanics)	16:00 - 17:40	Oral presentations (Solid mechanics)
18:00		18:00		18:00	