

forum acusticum 2023

10th Convention of the European
Acoustics Association

Turin, Italy | 11th - 15th September 2023

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Welcome to Forum Acusticum 2023

The Italian Acoustical Association is pleased to welcome you to Turin to attend Forum Acusticum 2023, the 10th Convention of the European Acoustics Association, from the 11th to the 15th of September 2023.

Forum Acusticum 2023 is being hosted at the Politecnico di Torino, in a renovated area of the campus with new and well-equipped rooms. The Congress is going to be a world leading event in the areas of acoustics and vibration and a great opportunity for participants to increase their knowledge, to share new techniques and competences, in the wide range of acoustics nowadays addressed in the community.

An extremely rich and attractive technical program has been organized, with 5 keynote lectures, 990 oral presentations, 60 poster presentations, several technical visits, addressing all the subjects of acoustics, from basic research to applied topics. A wide exhibition, with more than 35 companies in the field of acoustic materials and instruments, is on show in the congress venue.

In addition, concerts, touristic visits, a gala dinner and a jam session have been planned for participants and accompanying persons, to enjoy the Turin's culture and the beauties of the Piedmont region.

The EAA Summer School on the hot emerging topics of acoustics has been organized along 3 days before the conference, from the 8th to the 10th of September 2023, as an attracting opportunity for students and young researchers. Young acousticians will also benefit of Forum Laboris, which aims to connect them to potential job seekers, and of a social event organized by the Young Acoustician Network.

We hope you will enjoy Forum Acusticum and experience a full immersion in the latest trends in acoustics and vibration research!

Sincerely,

Arianna Astolfi

Congress Chair Forum Acusticum 2023
Politecnico di Torino (Italy)



Francesco Asdrubali

Congress Co-Chair Forum Acusticum 2023
Roma Tre University (Italy)





A sound
effect
on people



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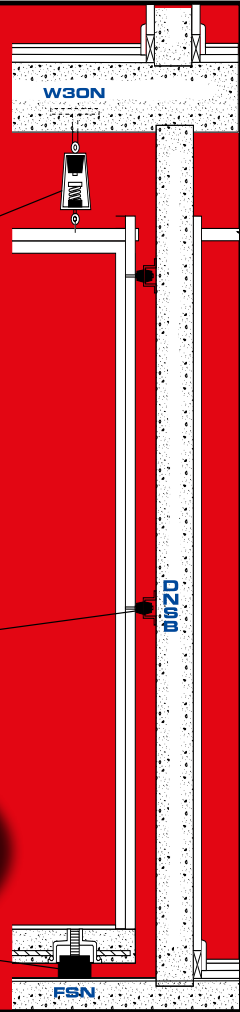
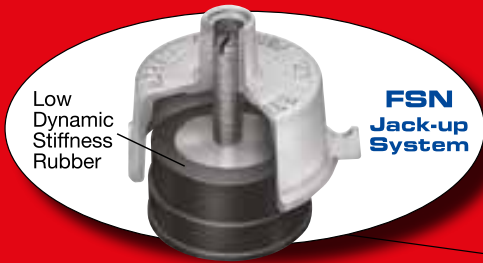
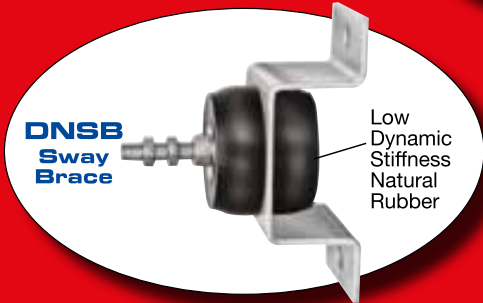
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CASE STUDIES



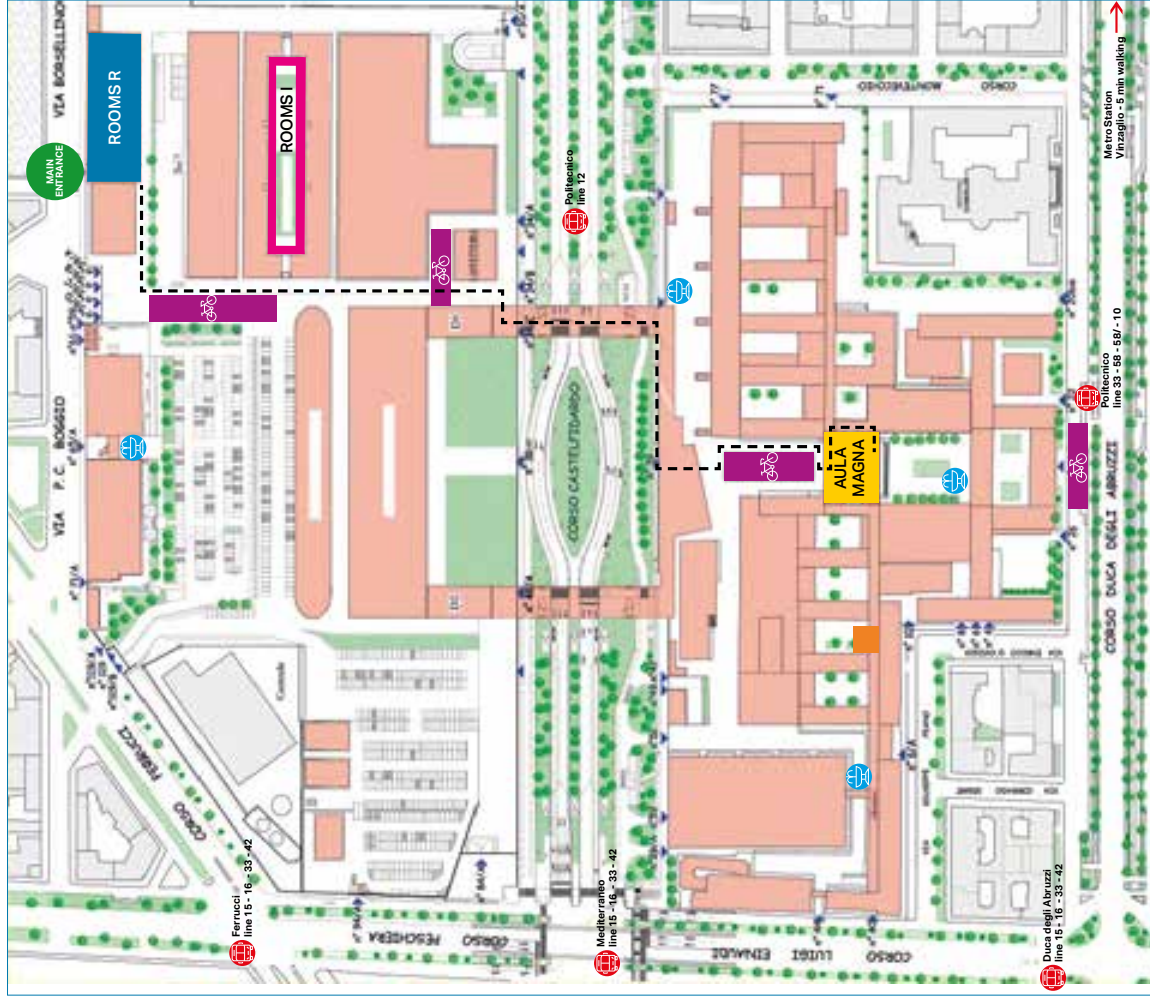
AKUSTIK DB FINDER












INDUSTRIAL ACOUSTICS

BUILDING ACOUSTICS

Politecnico di Torino



-  **ROOMS I**
 - Scientific Sessions
 - Catering area
-  **AULA MAGNA AND EMMA STRADA**
 - Keynote Lectures
 - Opening Ceremony
 - Closing Ceremony
-  **WALKING PATH**
From P1/ Rooms to Aula Magna
(10 minutes walking)
-  **MAIN ENTRANCE**
-  **ROOMS R**
 - Registration desk
 - Scientific Sessions
 - Exhibition area
 - Catering area
 - Poster area
-  **BIKE PARKING AREA**
-  **BUS STOP**
-  **WATER SUPPLY**
-  **POLINCENTRI**
bus ticket
(open 09:30-12.45)



forum **acusticum 2023**



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ROOMS I

LOBBY OF ROOMS R	ROOM 51	ROOM 91	ROOM 21	ROOM 111
	09:00-13:00 EAA BOARD AND EXECUTIVE COUNCIL MEETING			
15:00-18:00 Registration	14:00-18:00 EAA GENERAL ASSEMBLY	14:00-18:00 ODEON Course	14:00-18:00 ICA BOARD MEETING	14:00-17:00 EAA FORUM LABORIS
19:00-23:00 Welcome Cocktail at Valentino Castle				

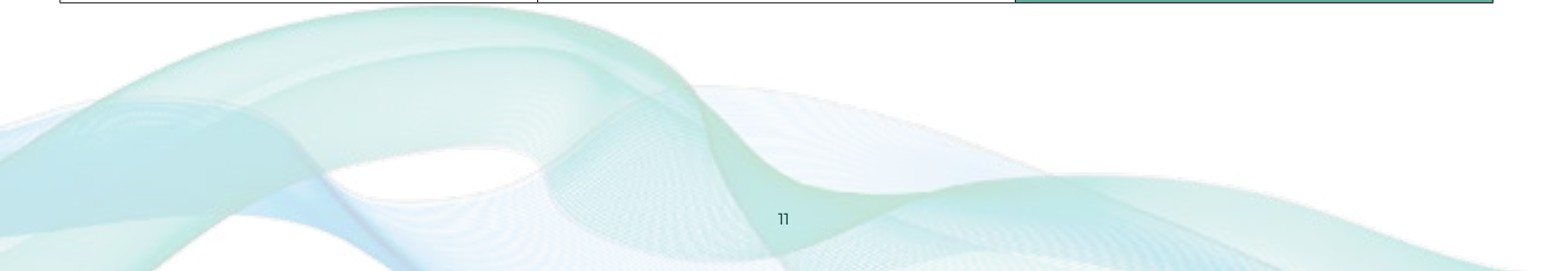
MAIN HALL (AULA MAGNA)	LOBBY OF ROOMS R	ROOM R1	ROOM R2	ROOM R3
	08:00-10:00 Registration and Coffee Time			
10:00-11:40 OPENING CEREMONY				
11:40-12:40 Plenary Lecture 1 Monacchi				
12:40-13:00 Musical Transfer to Rooms R and I				
13:00-14:00 Lunch				
		14:00-16:00 A03-11 Measurement of sound insulation in buildings	14:00-16:00 A04-01 Monitoring and measurement (new indicators, sensors design, sensor networks, data processing...)	14:00-16:00 A12-14 Accuracy in room acoustic modelling
16:00-16:40 Coffee Break				
		16:40-17:40 A03-11 Measurement of sound insulation in buildings 17:40-18:40 A03-06 Measurement uncertainty and test codes in building acoustics	16:40-17:00 A04-01 Monitoring and measurement (new indicators, sensors design, sensor networks, data processing...) 17:00-18:40 A04-05 Industrial noise	16:40-17:00 A12-14 Accuracy in room acoustic modelling 17:00-18:40 A12-08 Real world implementation of innovative acoustic surfaces

ROOM R4	ROOM R1B	ROOM R2B	ROOM R3B	ROOM R4B
12:40-13:00 Musical Transfer to Rooms R and I				
13:00-14:00 Lunch				
14:00-16:00 A03-01 General building acoustics and sound insulation	14:00-16:00 A14-03 Soundscape and restoration, quiet areas	14:00-15:20 A17-06 Noise & Vibration from roads and railways, including urban railways	14:00-15:00 A23-02 Multidomain comfort for human centric building energy efficiency and wellbeing - IEQ analysis and global comfort solutions	14:00-16:00 A11-01 Spatial Hearing: Modeling and Applications
			15:00-16:00 A13-02 Audio signal processing for Virtual and Augmented Reality	
16:00-16:40 Coffee Break				
16:40-18:40 A04-04 Urban air mobility noise (drones UAM)	16:40-18:20 A14-05 Soundscape assessment and mapping (indicators, descriptors and metrics)	16:40-18:20 A17-01 Automotive noise and vibration, including electric vehicles	16:40-18:20 A13-02 Audio signal processing for Virtual and Augmented Reality	16:40-18:40 A11-01 Spatial Hearing: Modeling and Applications

ROOM 1I	ROOM 3I	ROOM 5I	ROOM 7I
12:40-13:00 Musical Transfer to Rooms R and I			
13:00-14:00 Lunch			
13:20-14:00 ACTA ACUSTICA MEETING			
14:00-16:00 A07-01 Brass instruments: tribute to Joël Gilbert	14:00-16:00 A10-01 Increasing ecological validity in audiology	14:00-16:00 A15-02 Occupational voice demands and their effect on well-being and health	14:00-16:00 A22-01 Education in acoustics and role of social media in outreaching of acoustics topics
16:00-16:40 Coffee Break			
16:40-18:40 A07-01 Brass instruments: tribute to Joël Gilbert	16:40-17:00 A10-01 Increasing ecological validity in audiology 17:00-18:20 A10-03 Modelling of unaided and aided performance	16:40-18:40 A15-02 Occupational voice demands and their effect on well-being and health	16:40-18:40 A22-05 Activities in acoustics of European Research Centers and Companies during the 20 th century

ROOMS I

ROOM 9I	ROOM 2I	ROOM 11I
12:40-13:00 Musical Transfer to Rooms R and I		
13:00-14:00 Lunch		
14:00-16:00 A20-02 Modelling and numerical methods in vibroacoustics		
16:00-16:40 Coffee Break		16:00-18:00 METAVISION DN project
16:40-18:40 A20-02 Modelling and numerical methods in vibroacoustics		
		18:40-20:00 EAA YAN meeting



MAIN HALL (AULA MAGNA)	LOBBY OF ROOMS R	FOYER OF ROOMS R, FIRST FLOOR	ROOM R1	ROOM R2	ROOM R3
08:30-09:30 Plenary Lecture 2 Bluyssen					
09:30-09:40 Transfer to Rooms R and I					
	09:40-10:20 Coffee Break		09:40-10:00 Coffee Break		
			10:00-10:20 INDUSTRIAL SESSION (4 companies 5 min)	10:00-10:20 INDUSTRIAL SESSION (4 companies 5 min)	10:00-10:20 INDUSTRIAL SESSION (4 companies 5 min)
			10:20-11:20 A03-06 Measurement uncertainty and test codes in building acoustics 11:20-12:20 A03-02 Sound insulation in wooden construction	10:20-12:20 A04-11 Artificial intelligence and environmental noise	10:20-12:20 A12-05 Acoustical needs for comfortable and inclusive learning spaces
		12:20-13:00 Poster Session 1			
13:00-14:00 Lunch					
			14:00-16:00 A03-02 Sound insulation in wooden construction	14:00-14:20 A04-11 Artificial intelligence and environmental noise 14:20-16:00 A04-03 Action plans and noise management	14:00-16:00 A12-05 Acoustical needs for comfortable and inclusive learning spaces
16:00-16:40 Coffee Break					
			16:40-18:20 A03-02 Sound insulation in wooden construction	16:40-17:20 A04-03 Action plans and noise management 17:20-18:40 A04-02 Noise mapping and assessment management	16:40-17:20 A12-05 Acoustical needs for comfortable and inclusive learning spaces 17:20-18:40 A12-13 Acoustics of cultural heritage buildings and archaeoacoustics

ROOM R4	ROOM R1B	ROOM R2B	ROOM R3B	ROOM R4B
09:30-09:40 Transfer to Rooms R and I				
09:40-10:20 Coffee Break				
10:20-12:20 A04-04 Urban air mobility noise (drones UAM)	10:20-11:20 A14-05 Soundscape assessment and mapping (indicators, descriptors and metrics) 11:20-12:20 A14-02 Soundscapes of the 'new normal' (post-COVID)	10:20-12:20 A17-01 Automotive noise and vibration, including electric vehicles	10:20-12:20 A13-03 Source localization and identification	10:20-11:40 A11-01 Spatial Hearing: Modeling and Applications 11:40-12:20 A11-02 Virtual Reality and Hearing Research
13:00-14:00 Lunch				
14:00-16:00 A12-02 New trends in room acoustic measurements (including arrays and signal processing) [joint session with A13-04]	14:00-14:40 A14-02 Soundscapes of the 'new normal' (post-COVID) 14:40-16:00 A14-04 Soundscape design interventions	14:00-15:00 A17-01 Automotive noise and vibration, including electric vehicles 15:00-16:00 A17-03 Tyre/road noise	14:00-15:00 A13-03 Source localization and identification 15:00-16:00 A13-05 Machine learning for acoustic sensor array processing	14:00-16:00 A11-02 Virtual Reality and Hearing Research
16:00-16:40 Coffee Break				
16:40-18:40 A12-02 New trends in room acoustic measurements (including arrays and signal processing) [joint session with A13-04]	16:40-17:00 A14-04 Soundscape design interventions 17:00-18:20 A14-06 Indoor soundscaping	16:40-18:40 A17-03 Tyre/road noise	16:40-18:40 A13-05 Machine learning for acoustic sensor array processing	16:40-17:00 A11-02 Virtual Reality and Hearing Research 17:00-18:40 A11-04 Personalisation in Spatial Audio Technologies

ROOM 1I	ROOM 3I	ROOM 5I	ROOM 7I
09:30-09:40 Transfer to Rooms R and I			
09:40-10:20 Coffee Break			
10:20-12:20 A07-06 From FEM- to machine learning-based analysis and modeling of musical instruments	10:20-12:00 A10-03 Modelling of unaided and aided performance	10:20-11:20 A15-02 Occupational voice demands and their effect on well-being and health 11:20-12:20 A15-06 Application of Machine Learning and Automated Methods to Speech and Voice Research	10:20-12:20 A22-05 Activities in acoustics of European Research Centers and Companies during the 20 th century
12:20-13:00 MENTORING			
13:00-14:00 Lunch			
14:00-15:00 A07-06 From FEM- to machine learning-based analysis and modeling of musical instruments 15:00-16:00 A07-03 Acoustical, perceptual and neural modelling of drums	14:00-16:00 A10-04 Auditory and cognitive aspects in perception with hearing devices	14:00-15:40 A15-06 Application of Machine Learning and Automated Methods to Speech and Voice Research 15:40-16:00 A15-03 Extended high frequency in speech	14:00-16:00 A22-05 Activities in acoustics of European Research Centers and Companies during the 20 th century
16:00-16:40 Coffee Break			
16:40-17:40 A07-03 Acoustical, perceptual and neural modelling of drums 17:40-18:40 A07-02 Experimental methods for music acoustics	16:40-17:20 A10-04 Auditory and cognitive aspects in perception with hearing devices 17:20-18:40 A10-02 Assessment of hearing devices in complex environments	16:40-18:00 A15-03 Extended high frequency in speech 18:00-18:40 A15-05 Cognitive aspects of speech production and perception	16:40-18:40 A22-05 Activities in acoustics of European Research Centers and Companies during the 20 th century

ROOM 9I	ROOM 2I	ROOM 11I
09:30-09:40 Transfer to Rooms R and I		
09:40-10:20 Coffee Break		
10:20-11:20 A20-02 Modelling and numerical methods in vibroacoustics		
11:20-12:20 A20-01 Materials and systems for noise and vibration control		
13:00-14:00 Lunch		13:00-14:00 Acoustic Education: Interactive Session
14:00-16:00 A20-01 Materials and systems for noise and vibration control		
16:00-16:40 Coffee Break		
16:40-18:40 A20-03 Acoustics of porous and structured materials		

MAIN HALL (AULA MAGNA)	LOBBY OF ROOMS R	FOYER OF ROOMS R, FIRST FLOOR	ROOM R1	ROOM R2	ROOM R3
08:30-09:30 Plenary Lecture 3 Fernandez Grande					
09:30-09:40 Transfer to Rooms R and I					
	09:40-10:20 Coffee Break		09:40-10:00 Coffee Break		
			10:00-10:20 INDUSTRIAL SESSION (4 companies 5 min)	10:00-10:20 INDUSTRIAL SESSION (4 companies 5 min)	10:00-10:20 INDUSTRIAL SESSION (3 companies 5 min)
			10:20-12:20 A03-03 Impact noise	10:20-12:20 A04-02 Noise mapping and assessment	10:20-12:00 A12-13 Acoustics of cultural heritage buildings and archaeoacoustics
		12:20-13:00 Poster Session 2			12:20-13:20 ROOM & BUILDING AC. TC
13:00-14:00 Lunch					
			14:00-15:00 A03-03 Impact noise 15:00-16:00 A03-08 Acoustic regulations, classification schemes and standards in building acoustics	14:00-16:00 A04-06 Outdoor machinery, including wind turbines and low frequency sources	14:00-16:00 A12-10 Artificial intelligence, machine learning and other computational methods in room acoustics
16:00-16:40 Coffee Break					
			16:40-18:40 A03-08 Acoustic regulations, classification schemes and standards in building acoustics	16:40-18:40 A04-06 Outdoor machinery, including wind turbines and low frequency sources	16:40-17:20 A12-10 Artificial intelligence, machine learning and other computational methods in room acoustics 17:20-18:40 A12-04 Stage acoustics and rehearsal spaces

ROOM R4	ROOM R1B	ROOM R2B	ROOM R3B	ROOM R4B
09:30-09:40 Transfer to Rooms R and I				
09:40-10:00 Coffee Break	09:40-10:20 Coffee Break			
10:00-10:20 INDUSTRIAL SESSION (2 companies 10 min)				
10:20-12:00 A12-11 New trends in auditorium design	10:20-12:00 A14-06 Indoor soundscaping	10:20-12:20 A17-02 Road traffic noise monitoring and abatement	10:20-11:40 A13-06 Sound field control and loudspeaker array processing	10:20-12:00 A11-04 Personalisation in Spatial Audio Technologies
	12:00-12:20 A16-04 Numerical flow acoustics/ Computational aeroacoustics		11:40-12:20 A08-03 Noise in restaurants and canteens	
	12:20-13:20 NOISE TC			12:20-13:20 PSYCHOLOGICAL AND PHYSIOLOGICAL AC. TC
13:00-14:00 Lunch				
14:00-14:40 A12-11 New trends in auditorium design 14:40-16:00 A12-06 Open plan offices	14:00-16:00 A16-04 Numerical flow acoustics/ Computational aeroacoustics	14:00-16:00 A17-05 Railway noise detection, monitoring and abatement	14:00-15:20 A08-03 Noise in restaurants and canteens 15:20-16:00 A08-01 Noise and Sustainable Development	14:00-16:00 A11-03 Perception and Behaviour in Complex Acoustic Scenes
16:00-16:40 Coffee Break				
16:40-18:40 A12-06 Open plan offices	16:40-18:40 A16-01 Numerical and computational acoustics	16:40-18:40 A17-05 Railway noise detection, monitoring and abatement	16:40-17:40 A08-01 Noise and Sustainable Development 17:40-18:40 A08-02 Subjective evaluation of environmental noise included audio-visual interactions	16:40-18:40 A11-03 Perception and Behaviour in Complex Acoustic Scenes

ROOM 1I	ROOM 3I	ROOM 5I	ROOM 7I
09:30-09:40 Transfer to Rooms R and I			
09:40-10:20 Coffee Break			
10:20-12:20 A07-02 Experimental methods for music acoustics	10:20-11:20 A10-02 Assessment of hearing devices in complex environments	10:20-12:20 A15-05 Cognitive aspects of speech production and perception	10:20-12:20 A22-05 Activities in acoustics of European Research Centers and Companies during the 20 th century
	11:20-12:20 A09-01 Non Destructive Testing and Evaluation		
12:20-13:20 MUSICAL ACOUSTICS TC	12:20-13:20 ACOUSTIC MATERIALS TC		
13:00-14:00 Lunch			
14:00-16:00 A07-02 Experimental methods for music acoustics	14:00-16:00 A09-01 Non Destructive Testing and Evaluation	14:00-16:00 A15-05 Cognitive aspects of speech production and perception	14:00-16:00 A22-05 Activities in acoustics of European Research Centers and Companies during the 20 th century
16:00-16:40 Coffee Break			
16:40-17:20 A07-02 Experimental methods for music acoustics	16:40-17:20 A09-01 Non Destructive Testing and Evaluation	16:40-18:40 A06-01 Rotor noise	16:40-18:40 A15-01 Speech intelligibility in children
17:20-18:40 A02-05 Terrestrial bio-acoustics	17:20-18:00 A09-07 Acousto-Optics		
	18:00-18:40 A09-03 Advances in acoustic metamaterials		

ROOM 9I	ROOM 2I	ROOM 11I
09:30-09:40 Transfer to Rooms R and I		09:30-11:00 TREBLE - Discover Treble Acoustic Simulation Suite with Finnur Pind
09:40-10:20 Coffee Break		
10:20-12:20 A20-04 Inverse methods in acoustics and vibration		
13:00-14:00 Lunch		
14:00-14:20 A20-04 Inverse methods in acoustics and vibration		
14:20-16:0 A01-01 Active sound control/profiling		
16:00-16:40 Coffee Break		
16:40-18:20 A01-01 Active sound control/profiling		

MAIN HALL (AULA MAGNA)	FOYER OF ROOMS R, FIRST FLOOR	ROOM R1	ROOM R2	ROOM R3
		08:20-09:20 A03-08 Acoustic regulations, classification schemes and standards in building acoustics 09:20-10:20 A03-04 Absorption materials and innovative measuring techniques	08:20-09:20 A04-06 Outdoor machinery, including wind turbines and low frequency sources 09:20-10:20 A04-08 Environmental noise and health effects	08:20-10:20 A12-04 Stage acoustics and rehearsal spaces
10:20-11:00 Coffee Break				
		11:00-13:00 A03-04 Absorption materials and innovative measuring techniques	11:00-13:00 A04-08 Environmental noise and health effects	11:00-13:00 A12-04 Stage acoustics and rehearsal spaces
13:00-14:00 Lunch				
	14:00-14:40 Poster Session 3			13:40-14:40 YAN Open Board Meeting
		14:40-15:20 A03-04 Absorption materials and innovative measuring techniques 15:20-16:40 A03-07 Structure borne and service equipment noise in buildings	14:40-15:00 A04-08 Environmental noise and health effects 15:00-16:40 A04-10 Outdoor noise propagation	15:00-16:40 A12-03 Innovations in sound absorption measuring techniques, including reverberation room measurements
16:40-17:20 Coffee Break				
17:20-17:30 Transfer to Main Hall (Aula Magna)				
17:30-18:30 Plenary Lecture 4 Fitch				

ROOM R4	ROOM R1B	ROOM R2B	ROOM R3B	ROOM R4B
<p>08:20-10:00 A12-12 Directivity of sound sources and receivers I (also Session A21-03)</p>	<p>08:20-10:20 A16-01 Numerical and computational acoustics</p>	<p>08:20-10:00 A17-07 Road and rail noise barriers and related devices</p>	<p>08:20-10:20 A08-02 Subjective evaluation of environmental noise included audio-visual interactions</p>	<p>08:20-09:40 A11-03 Perception and Behaviour in Complex Acoustic Scenes</p>
<p>10:00-10:20 A21-03 Directivity of sound sources and receivers II (also Session A12-12)</p>		<p>10:00-10:20 A19-01 Source localisation and geoaoustic inversion</p>		
10:20-11:00 Coffee Break				
<p>11:00-12:40 A21-03 Directivity of sound sources and receivers II (also Session A12-12)</p>	<p>11:00-13:00 A16-01 Numerical and computational acoustics</p>	<p>11:00-13:00 A19-01 Source localisation and geoaoustic inversion</p>	<p>11:00-12:00 A08-02 Subjective evaluation of environmental noise included audio-visual interactions</p>	<p>11:00-13:00 A11-05 Psychoacoustics in Communication</p>
<p>12:40-13:00 A21-01 Auditory Cognition in interactive Virtual Environments</p>			<p>12:00-13:00 A08-04 Noise in hospitals and healthcare facilities</p>	
13:00-14:00 Lunch				
	<p>13:40-14:40 COMPUTACIONAL TC</p>	<p>13:40-14:40 AUDIO SIGNAL TC</p>		
<p>14:40-16:00 A21-01 Auditory Cognition in interactive Virtual Environments</p>	<p>14:40-15:20 A16-01 Numerical and computational acoustics</p>	<p>14:40-16:40 A19-02 Underwater Acoustic communication and networking</p>	<p>14:40-16:00 A08-04 Noise in hospitals and healthcare facilities</p>	<p>14:40-16:40 A18-04 Sound for care and emotions</p>
<p>16:00-16:40 A21-02 Environmental Noise Auralization</p>	<p>15:20-16:40 A16-02 Boundary and finite element methods in acoustics and vibration</p>		<p>16:00-16:40 A05-01 Loudspeakers and sound field control</p>	
16:40-17:20 Coffee Break				
17:20-17:30 Transfer to Main Hall (Aula Magna)				

ROOM 1I	ROOM 3I	ROOM 5I	ROOM 7I
<p>08:20-09:20 A02-05 Terrestrial bio-acoustics</p> <p>09:20-10:20 A02-02 Open-source software and cutting-edge applications in bio-acoustics</p>	<p>08:20-10:20 A09-03 Advances in acoustic metamaterials</p>	<p>08:20-09:00 A06-01 Rotor noise</p> <p>09:00-10:20 A06-02 Wind Tunnel Testing in Aeroacoustics</p>	<p>08:20-10:20 A07-04 Acoustics of organ pipes and the pipe organ</p>
10:20-11:00 Coffee Break			
<p>11:00-11:40 A02-02 Open-source software and cutting-edge applications in bio-acoustics</p> <p>11:40-13:00 A02-03 Eco-Acoustics and non-vocal bio-acoustics</p>	<p>11:00-13:00 A09-03 Advances in acoustic metamaterials</p>	<p>11:00-13:00 A06-02 Wind Tunnel Testing in Aeroacoustics</p>	<p>11:00-12:00 A07-04 Acoustics of organ pipes and the pipe organ</p> <p>12:00-13:00 A22-02 Interactive media or demonstrations for lectures and laboratory</p>
13:00-14:00 Lunch			
<p>13:40-14:40 ULTRASOUNDS TC</p>			<p>13:40-14:40 EDUCATION TC</p>
<p>14:40-15:40 A02-03 Eco-Acoustics and non-vocal bio-acoustics</p> <p>15:40-16:40 A02-04 Underwater bio-acoustics</p>	<p>14:40-16:40 A09-03 Advances in acoustic metamaterials</p>	<p>14:40-15:00 A06-02 Wind Tunnel Testing in Aeroacoustics</p> <p>15:00-16:40 A06-04 Metamaterials for passive control in aeroacoustics</p>	<p>14:40-16:20 A22-02 Interactive media or demonstrations for lectures and laboratory</p>
16:40-17:20 Coffee Break			
17:20-17:30 Transfer to Main Hall (Aula Magna)			

ROOM 9I	ROOM 2I	ROOM 11I
<p>08:20-10:20 A01-01 Active sound control/profiling</p>		
<p>10:20-11:00 Coffee Break</p>		
<p>11:00-13:00 A01-04 Smart structures and systems for vibration control</p>		
<p>13:00-14:00 Lunch</p>		
<p>14:40-16:40 A01-04 Smart structures and systems for vibration control</p>		
<p>16:40-17:20 Coffee Break</p>		
<p>17:20-17:30 Transfer to Main Hall (Aula Magna)</p>		

MAIN HALL (AULA MAGNA)	FOYER OF ROOMS R, FIRST FLOOR	ROOM R1	ROOM R2	ROOM R3
		<p>08:40-09:40 A03-07 Structure borne and service equipment noise in buildings</p> <p>09:40-10:20 A03-10 Prediction and numerical simulation in building acoustics</p>	<p>08:20-10:20 A04-10 Outdoor noise propagation</p>	<p>08:20-10:20 A12-03 Innovations in sound absorption measuring techniques, including reverberation room measurements</p>
10:20-11:00 Coffee Break				
		<p>11:00-13:00 A03-10 Prediction and numerical simulation in building acoustics</p>	<p>11:00-13:00 A04-10 Outdoor noise propagation</p>	<p>11:00-13:00 A12-09 Sound propagation in rooms</p>
13:00-14:00 Lunch				
14:00-14:20 Transfer to Main Hall (Aula Magna)				
<p>14:20-15:20 Plenary Lecture 5 Burgess Taroudakis</p>				
<p>15:20-16:20 CLOSING CEREMONY</p>				

ROOM R4	ROOM R1B	ROOM R2B	ROOM R3B	ROOM R4B
08:20-10:20 A21-02 Environmental Noise Auralization	08:20-10:20 A16-02 Boundary and finite element methods in acoustics and vibration	08:20-10:00 A19-02 Underwater Acoustic communication and networking 10:00-10:20 A19-05 Underwater Soundscapes, Acoustical imaging and Mapping	08:20-09:20 A05-01 Loudspeakers and sound field control 09:20-10:20 A05-02 Microphones for audio or measurement applications	08:20-09:20 A18-04 Sound for care and emotions 09:20-10:20 A18-02 From brief to evaluation in the sound design process
10:20-11:00 Coffee Break				
11:00-13:00 A21-04 Virtual acoustics for indoor spaces	11:00-13:00 A16-03 Data-driven methods in acoustics and vibrations	11:00-13:00 A19-05 Underwater Soundscapes, Acoustical imaging and Mapping	11:00-11:20 A05-02 Microphones for audio or measurement applications 11:20-12:40 A05-04 Acoustic MEMS	11:00-11:20 A18-02 From brief to evaluation in the sound design process 11:20-12:40 A18-03 Sound design/quality in industrial products
13:00-14:00 Lunch				
14:00-14:20 Transfer to Main Hall (Aula Magna)				

ROOM 1I	ROOM 3I	ROOM 5I	ROOM 7I
	08:20-10:20 A09-02 Nonlinear Acoustics	08:20-09:20 A06-04 Metamaterials for passive control in aeroacoustics	
09:00-10:20 A02-04 Underwater bio-acoustics		09:20-10:20 A06-05 Jet noise and CAA methods	09:00-10:20 A22-06 Reflections on the International Year of Sound
10:20-11:00 Coffee Break			
11:00-13:00 A02-07 Bird bio-acoustics	11:00-11:20 A09-02 Nonlinear Acoustics 11:20-13:00 A09-07 Acousto-Optics	11:00-12:20 A06-05 Jet noise and CAA methods	11:00-12:00 A22-06 Reflections on the International Year of Sound
13:00-14:00 EAA GENERAL TC+BOARD MEETING	13:00-14:00 Lunch		
14:00-14:20 Transfer to Main Hall (Aula Magna)			

ROOMS I

ROOM 9I	ROOM 2I	ROOM 11I
<p>09:40-10:20 A01-05 Active metamaterials</p>		
<p>10:20-11:00 Coffee Break</p>		
<p>11:00-12:40 A01-05 Active metamaterials</p>		
<p>13:00-14:00 Lunch</p>		
<p>14:00-14:20 Transfer to Main Hall (Aula Magna)</p>		



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CONFERENCE INFORMATION

VENUE

Politecnico di Torino

Via Paolo Borsellino, 53/N - 10138 Torino

Website: <https://www.fa2023.org/congress-venue/>

The sessions will take place in Rooms R and I.

Keynote lectures will take place in Aula Magna and Emma Strada Room.

REGISTRATION DESK

Rooms R – Politecnico di Torino

Via Paolo Borsellino, 53/N - 10138 Torino

Sunday, Sept. 10th from 03.00 PM to 06:00 PM

Monday, Sept. 11th from 08:30 AM to 06:00 PM

Tuesday, Sept. 12th from 08:30 AM to 06:00 PM

Wednesday, Sept. 13th from 08:30 AM to 06:00 PM

Thursday, Sept. 14th from 08:30 AM to 06:00 PM

Friday, Sept. 15th from 08:30 AM to 06:00 PM

SCAN IT FOR THE CONGRESS APP



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POSTER PRESENTATION

Poster area: Foyer of Rooms R (first floor)

Please kindly note that there are three poster sessions as stated in the program.

Each poster will be displayed during the whole conference from Monday September 11th until Friday September 15th.

Each poster board will have a poster identification number.

It is the Presenter's obligation to put up and also remove the poster from the panel. Posters left after the end of the congress will be destroyed. The Congress Secretariat bears no responsibility for posters left behind.

CERTIFICATE OF ATTENDANCE

Certificates will be available online after the completion of the Scientific Program. Participants can download the certificate of attendance after the login in the DOWNLOAD AREA:

<https://registration.ccicongress.com/cmsweb/Login.asp?IDcommessa=C001/23&Lang=EN>

CONFERENCE BADGE

Please wear your personal badge at all times. Entrance to the Conference area will only be permitted to guests wearing their name badge.

OFFICIAL LANGUAGE

English will be the official language of the Conference and no simultaneous translation will be provided.

CURRENCY

Italy's monetary unit is the Euro. No other currency is accepted, and it is best to exchange dollars or other currency at a bank.

INSURANCE

We cannot accept responsibility for any personal loss, accidents, or damages to participants and/or accompanying persons. Participants are advised to obtain personal insurance to cover any eventuality that may occur during the Congress.

EXHIBITION AREA

The FA2023 Exhibition Area will open on Monday, September 11th, and will be present throughout all Conference days. Exhibitors will have physical booths on the ground floor and first floor in Rooms R of Politecnico di Torino: Via Paolo Borsellino, 53/N - 10138 Torino.

COMPANY	BOOTH n°
AMC MECANOCAUCHO	5
BOSCO ITALIA Spa	23
Dassault Systèmes	20
DIASEN	11b
EAA - European Acoustics Association	4
Flex Acoustics	21
Gerriets GmbH	10
HEAD acoustics	14
HOTTINGER BRÜEL & KJAER	25
MASON INDUSTRIES, INC.	6
MATELYS - Research Lab	19
Mc4Software Italia Srl	16
Metecno Sound	13

COMPANY	BOOTH n°
NORSONIC – RION	18
Odeon A/S	17
ROCKWOOL – Rockfon	8
Saint-Gobain Ecophon	1
Siemens	1b
SoftNoise	15
Spectra – Sinus	7
SVANTEK	11
Toto Acustica by Web	22
Treble	24
Wavebreaker AB	12
WÖLFEL	9



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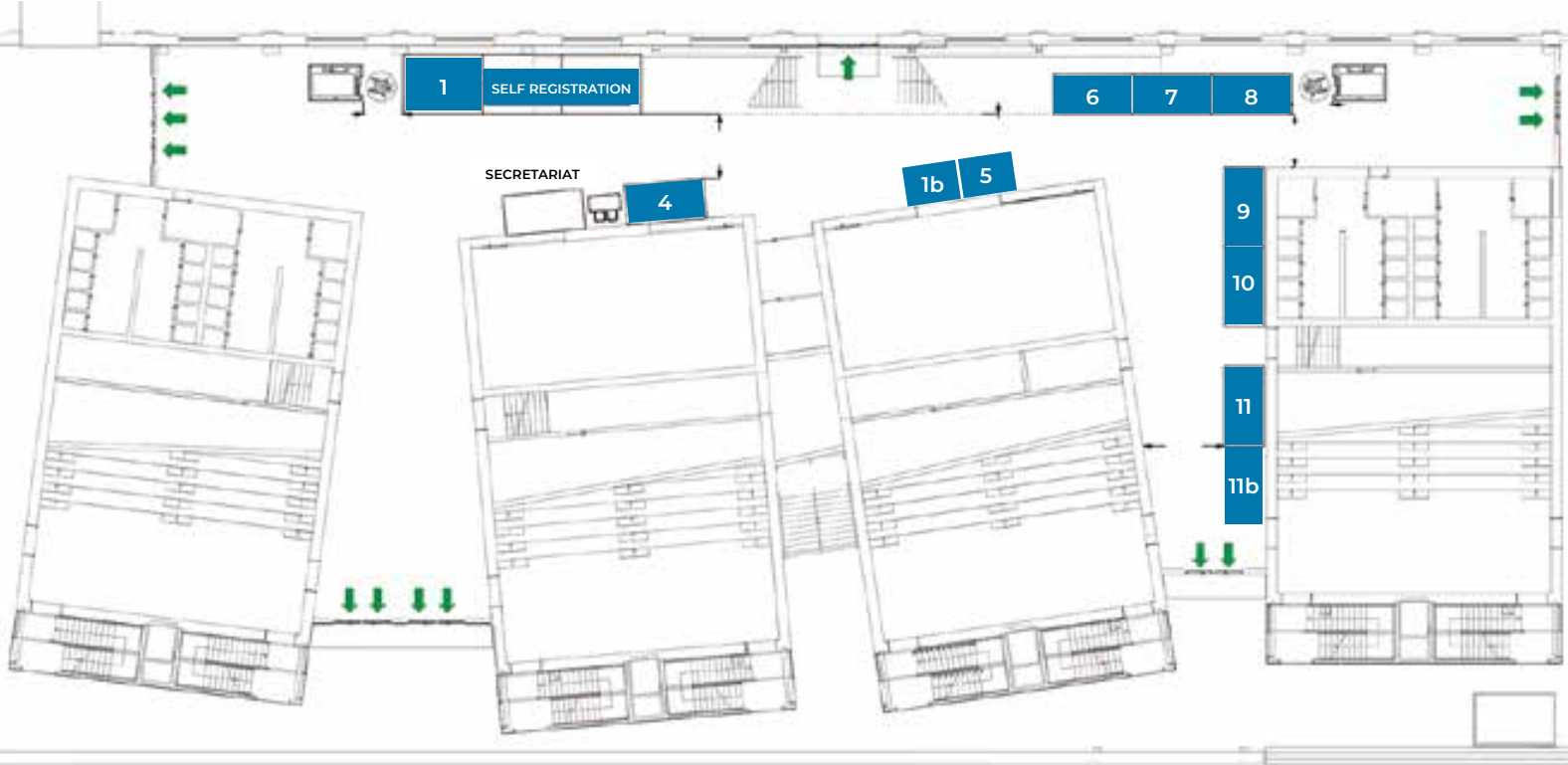


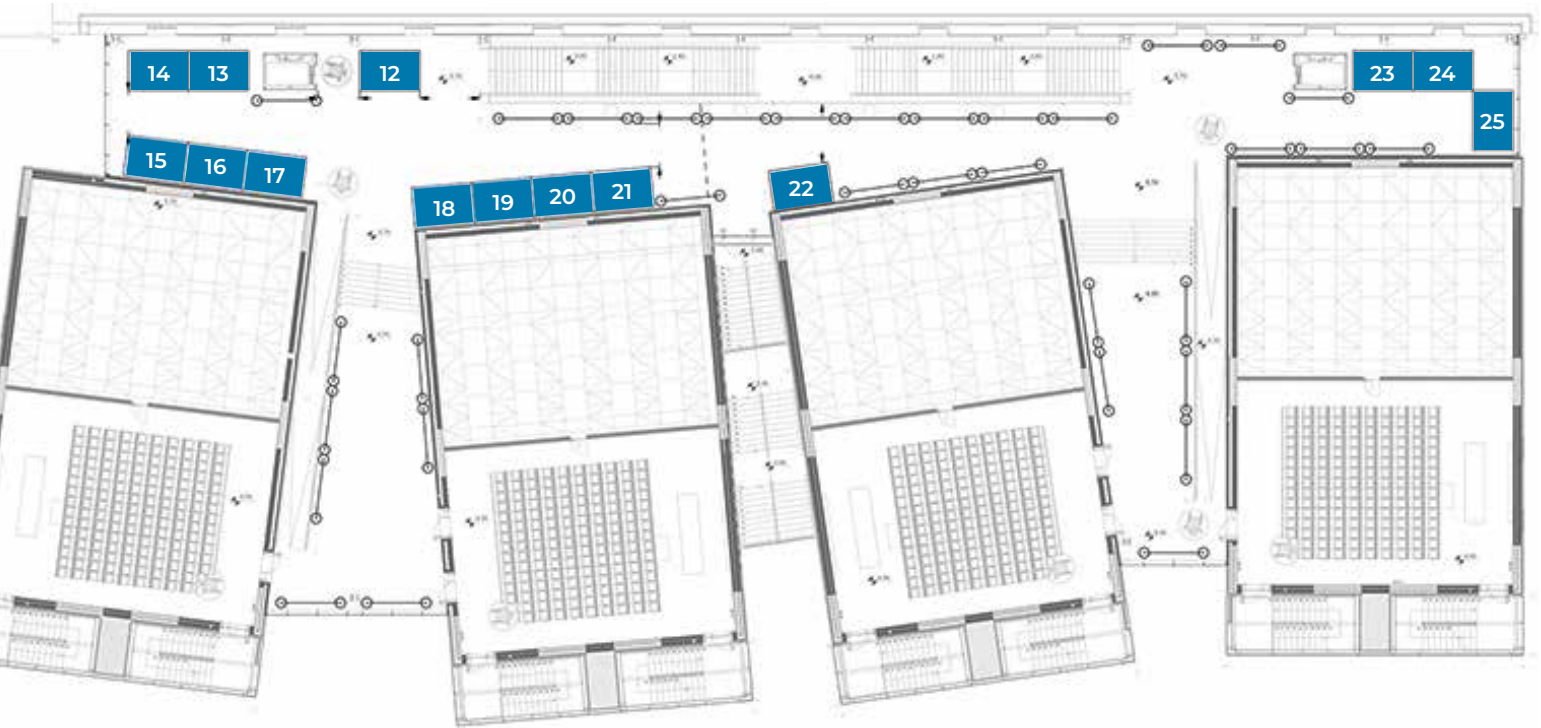
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INDUSTRIAL SESSIONS

TUESDAY, SEPTEMBER 12th, 2023

ROOM R1

10:00 – 10:05 AMC-Mecanocaucho

10:05 – 10:10 BOSCO ITALIA Spa

10:10 – 10:15 Dassault Systèmes

10:15 – 10:20 Diasen

ROOM R2

10:00 – 10:05 Edilclima

10:05 – 10:10 Flex Acoustics

10:10 – 10:15 Gerriets GmbH

10:15 – 10:20 HEAD acoustics

ROOM R3

10:00 – 10:05 Hottinger Brüel & Kjaer Italy

10:05 – 10:10 MATELYS - Research Lab

10:10 – 10:15 Mc4Software Italia Srl

10:15 – 10:20 Metecno Sound

WEDNESDAY, SEPTEMBER 13th, 2023

ROOM R1

10:00 – 10:05 NORSONIC – RION

10:05 – 10:10 Odeon A/S

10:10 – 10:15 ROCKWOOL – Rockfon

10:15 – 10:20 Siemens

ROOM R2

10:00 – 10:05 Softnoise

10:05 – 10:10 Spectra – Sinus

10:10 – 10:15 SVANTEK

10:15 – 10:20 Treble

ROOM R3

10:00 – 10:05 Wavebreaker AB

10:05 – 10:10 Toto Acustica by Web

10:10 – 10:15 WÖLFEL

ROOM R4

10:00 – 10:10 Saint-Gobain Ecophon

10:10 – 10:20 MASON INDUSTRIES, INC.



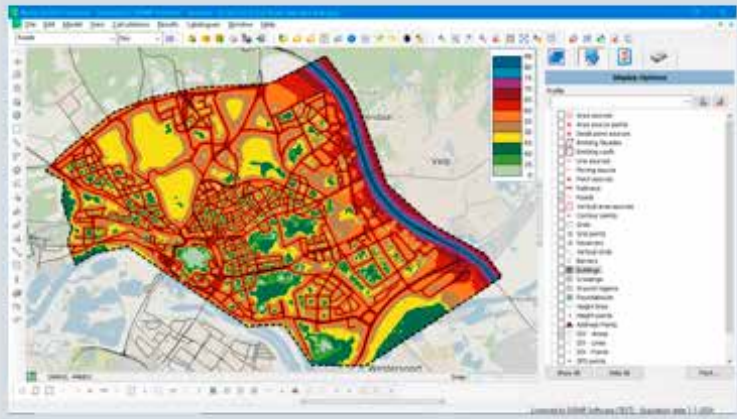
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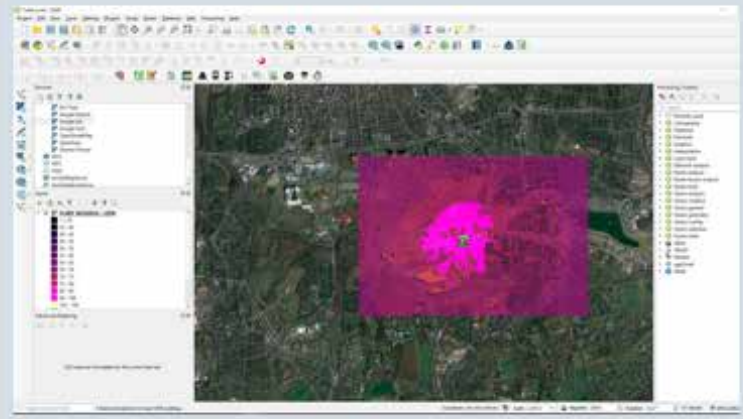
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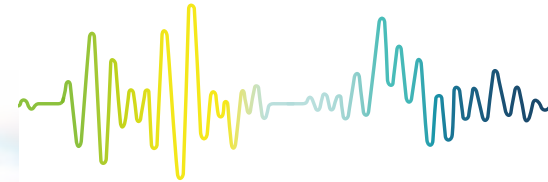
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Welcome Cocktail

for Theme organizers, Chairmen
and EAA Board members as a
priority

on 10th September 2023

19:00-23:00

at Valentino Castle Gardens

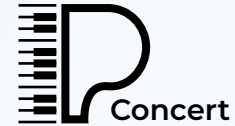
YAN BEER EVENT

for the EAA Young Acousticians
Network

on 11th September 2023

from 20:00

at Imbarchino



on 12th September 2023

19:00-23:00

at Conservatorio Giuseppe Verdi



JAM Session

on 13th September 2023

19:00-23:00

at OGR Torino



Gala Dinner

on 14th September 2023

19:30-23:00

at MAUTO
(Museo dell'Automobile di Torino)

Congress Secretariat



Centro Congressi Internazionale S.r.l.
Via G. Guarini, 4 – 10123 Torino

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