

# TECHNICAL PROGRAM CALENDAR

**Acoustics'08 Paris**  
**30 June–4 July 2008**

## MONDAY MORNING

8:40 1aID **Opening Ceremony:** Amphi Grand

5:40 1pEAd **Engineering Acoustics, Underwater Acoustics, and ECUA:** Sonar Transducer Design and Modeling I. Room 341

## MONDAY AFTERNOON

1:00 1pAAa **Architectural Acoustics and Noise:** Acoustics of Open-Plan Spaces I. Room 202/203

1:00 1pMUa **Musical Acoustics:** Acoustic Measurements on Wind Instruments I. Amphi Maillot

1:00 1pAAb **Architectural Acoustics:** Acoustics of Concert Halls I. Room 252B

4:20 1pMUB **Musical Acoustics:** Edge Tone and Flue Pipes I. Amphi Maillot

1:00 1pAAc **Architectural Acoustics and Psychological and Physiological Acoustics:** Speech Segregation in Rooms I. Room 253

6:00 1pMUC **Musical Acoustics and Psychological and Physiological Acoustics:** Acoustics and Psychoacoustics of Pipe Organs. Amphi Maillot

4:40 1pAAd **Architectural Acoustics and Musical Acoustics:** Surround Sound Acoustics I. Room 202/203

1:00 1pNSa **Noise, Physical Acoustics, and EURONOISE:** Aeroacoustics I. Room 250A

5:00 1pAAe **Architectural Acoustics and Noise:** Low Frequency Absorption: Mechanisms, Measurement Methods, and Application I. Room 253

1:00 1pNSb **Noise and EURONOISE:** Action Planning and Global Solutions for Urban Noise I. Room 251

1:00 1pAB **Animal Bioacoustics, Noise, and ECUA:** Anthropogenic Noise Effects on Animals I. Room 342B

1:00 1pNSc **Noise and EURONOISE:** Noise Mapping Techniques and Uncertainties I. Room 252A

1:00 1pAOa **Acoustical Oceanography and ECUA:** Acoustical Oceanography of Polar Environments I. Room 342A

5:40 1pNSd **Noise and EURONOISE:** Environmental Noise Mapping I. Room 252A

4:20 1pAOB **Acoustical Oceanography and ECUA:** Marine Ecosystem Acoustics I. Room 342A

1:00 1pPAa **Physical Acoustics:** Acoustics of Porous Media I. Amphi Havane

1:00 1pBBa **Biomedical Ultrasound/Bioresponse to Vibration:** High-Intensity Focused Ultrasound I. Room 352B

1:00 1pPAb **Physical Acoustics:** Phononic Crystals I. Room 351

1:00 1pBBb **Biomedical Ultrasound/Bioresponse to Vibration:** Quantitative Ultrasound Methods for Diagnosis and Therapy I. Room 362/363

1:00 1pPAc **Physical Acoustics and Signal Processing in Acoustics:** Acoustic Landmine Detection I. Room 352A

5:40 1pBBc **Biomedical Ultrasound/Bioresponse to Vibration and Engineering Acoustics:** High-Intensity Focused Ultrasound Metrology and Standards I. Room 352B

4:00 1pPAd **Physical Acoustics:** Sonic, Ultrasonic, and Megasonic Cleaning I. Room 352A

1:00 1pEAA **Engineering Acoustics, Underwater Acoustics, Signal Processing in Acoustics, and ECUA:** Sensor Technologies for Autonomous Acoustic Sensing Systems I. Room 341

7:00 1pPAe **Physical Acoustics:** Mathematical and Numerical Methods I. Room 351

1:00 1pEAb **Engineering Acoustics and Signal Processing in Acoustics:** Microphone Array Signal Processing I. Room 353

1:00 1pPPa **Psychological and Physiological Acoustics:** Integrated Approaches to Auditory Scene Analysis I. Room 241

1:00 1pPPb **Psychological and Physiological Acoustics:** Cochlear Implants: Going Beyond the Envelope I. Room 242A

4:20 1pEAc **Engineering Acoustics and Psychological and Physiological Acoustics:** Hearing Aid Engineering I. Room 353

1:00 1pSAa **Structural Acoustics and Vibration and EURONOISE:** Vibration and Radiation from Complex Structural Systems I. Room 242B

1:00 1pSAb **Structural Acoustics and Vibration and EURONOISE:** General Topics in Structural Acoustics and Vibration I. Room 243

1:00 1pSCa **Speech Communication:** Speech Technology I. Room 240

1:00	1pSCb	<b>Speech Communication:</b> Measurement of Sociophonetic Variation in Speech. Room 250B	8:00	2aEAb	<b>Engineering Acoustics:</b> Acoustic Evaluation I. Room 353
4:20	1pSCc	<b>Speech Communication:</b> General Topics in Speech Communication I (Poster Session). P2-D, Level 2	8:00	2aMUa	<b>Musical Acoustics and Physical Acoustics:</b> Brass Instrument Acoustics I. Amphi Maillot
1:00	1pSPa	<b>Signal Processing in Acoustics:</b> Sound Reproduction and Source Separation. Room 343	11:00	2aMUb	<b>Musical Acoustics:</b> Interaction Between Instrument and Instrumentalist I. Amphi Maillot
4:00	1pSPb	<b>Signal Processing in Acoustics:</b> Acoustical Nondestructive Evaluation, Ultrasonics, and Imaging I. Room 343	8:00	2aNSa	<b>Noise, Physical Acoustics, and EURONOISE:</b> Aeroacoustics II. Room 250A
1:00	1pUW	<b>Underwater Acoustics, Acoustical Oceanography, and ECUA:</b> Seabed and Sea Surface Interaction Measurements and Modeling. Amphi Bourdeaux	8:00	2aNSb	<b>Noise, Biomedical Ultrasound/ Bioresponse to Vibration, ASA Committee on Standards, and EURONOISE:</b> Session in Honor of Henning von Gierke. Room 251
<b>TUESDAY MORNING</b>			8:00	2aNSc	<b>Noise and EURONOISE:</b> Physical and Psychophysical Evaluation of Vehicle Exterior Noise I. Room 252A
8:00	2aAAa	<b>Architectural Acoustics:</b> Acoustics of Concert Halls II. Room 252B	10:20	2aNSd	<b>Noise and EURONOISE:</b> Environmental Noise Mapping II. Room 251
8:00	2aAAb	<b>Architectural Acoustics and Noise:</b> Low Frequency Absorption: Mechanisms, Measurement Methods and Application II. Room 253	11:00	2aNSe	<b>Noise and EURONOISE:</b> General Topics in Noise I. Room 252A
8:20	2aAAc	<b>Architectural Acoustics and Engineering Acoustics:</b> Acoustics and Electroacoustics of Small Rooms. Room 202/203	8:00	2aPAa	<b>Physical Acoustics:</b> Acoustics of Porous Media II. Amphi Havane
9:20	2aAAd	<b>Architectural Acoustics and Noise:</b> Acoustics and Privacy in Healthcare Facilities I: Emerging Policy Around the World. Room 253	8:00	2aPAb	<b>Physical Acoustics:</b> Diffraction of Waves on Periodical Structures: Acoustic, Ultrasonic and Acousto-Optical Diffraction Phenomena I. Room 351
10:20	2aAAe	<b>Architectural Acoustics, Musical Acoustics, Physical Acoustics, and Noise:</b> Acoustics of Opera Houses I. Room 252B	8:00	2aPAc	<b>Physical Acoustics:</b> Outdoor Sound Propagation and Uncertainties I. Room 352A
8:00	2aAB	<b>Animal Bioacoustics and ECUA:</b> Animal Bioacoustic Censusing I. Room 342B	8:00	2aPAD	<b>Physical Acoustics:</b> Photoacoustics I. Room 362/363
8:00	2aAOa	<b>Acoustical Oceanography and ECUA:</b> Marine Ecosystem Acoustics II. Room 342A	8:00	2aPPa	<b>Psychological and Physiological Acoustics and ASA Committee on Standards:</b> Applications of Psychoacoustics I. Room 241
10:40	2aAOb	<b>Acoustical Oceanography, Underwater Acoustics, Signal Processing in Acoustics, and ECUA:</b> Geoacoustic Characterization of the Ocean Bottom and Geoacoustic Inversion I. Room 342A	8:00	2aPPb	<b>Psychological and Physiological Acoustics:</b> Auditory Perception and Signal Processing by Protheses I. Room 242A
8:00	2aBB	<b>Biomedical Ultrasound/Bioresponse to Vibration and Physical Acoustics:</b> Ultrasound Contrast Agents for Imaging I. Room 352B	11:20	2aPPc	<b>Psychological and Physiological Acoustics:</b> Binaural Perception by Hearing-Aid Wearers. Room 242A
8:00	2aEAa	<b>Engineering Acoustics, Underwater Acoustics, and ECUA:</b> Sonar Transducer Design and Modeling II. Room 341	8:00	2aSAa	<b>Structural Acoustics and Vibration and EURONOISE:</b> Vibration and Radiation from Complex Structural Systems II. Room 242B
			8:00	2aSab	<b>Structural Acoustics and Vibration and EURONOISE:</b> General Topics in Structural Acoustics and Vibration II. Room 243
			11:00	2aSac	<b>Structural Acoustics and Vibration and EURONOISE:</b> Source Characterization in Structure Borne Noise Problems I. Room 242B

8:20	2aSCa	<b>Speech Communication:</b> Speech Technology II. Room 240	3:40	2pAAf	<b>Architectural Acoustics, Musical Acoustics, Physical Acoustics, and Noise:</b> Acoustics of Opera Houses III (Poster Session). P2-B, Level 2
8:20	2aSCb	<b>Speech Communication:</b> How do Physical and Motor Knowledge Matter to Speech Perception? Room 250B	3:40	2pAAg	<b>Architectural Acoustics:</b> Acoustics of Concert Halls II (Poster Session). P2-B, Level 2
10:40	2aSCc	<b>Speech Communication:</b> Speech Recognition in Noisy Environments. Room 250B	3:40	2pAAh	<b>Architectural Acoustics and Noise:</b> Low Frequency Absorption: Mechanisms, Measurement Methods and Application III (Poster Session). P2-B, Level 2
11:00	2aSCd	<b>Speech Communication:</b> Speech Perception I. Room 240	3:40	2pAAi	<b>Architectural Acoustics and ASA Committee on Standards:</b> Comparison of US and European Standards in Building/Room Acoustics II (Poster Session). P2-B, Level 2
8:00	2aSPa	<b>Signal Processing in Acoustics, Physical Acoustics, Biomedical Ultrasound/Bioresponse to Vibration, and Underwater Acoustics:</b> Overview of Time Reversal in Acoustics I. Room 343	3:40	2pAAj	<b>Architectural Acoustics and Musical Acoustics:</b> Surround Sound Acoustics II (Poster Session). P2-B, Level 2
10:40	2aSPb	<b>Signal Processing in Acoustics, Biomedical Ultrasound/Bioresponse to Vibration, and Underwater Acoustics:</b> Time Reversal Methods for Array Imaging and Signal Processing I. Room 343	5:20	2pAAk	<b>Architectural Acoustics:</b> Case Studies and Design Approaches. Room 242B
8:40	2aUW	<b>Underwater Acoustics and ECUA:</b> Fifty Years of Progress in Sonar Acoustic Research: The Role of NURC/SACLANTCEN. Amphi Bordeaux	2:20	2pABa	<b>Animal Bioacoustics, Underwater Acoustics, Acoustical Oceanography, Signal Processing in Acoustics, and ECUA:</b> Animal Sonar Systems I. Room 342B
			3:40	2pABb	<b>Animal Bioacoustics and ECUA:</b> Animal Bioacoustic Censusing II (Poster Session). P3-C, Level 3

#### TUESDAY MORNING SESSIONS CONTINUED

2:00	2aAOB	Room 342A	3:40	2pABc	<b>Animal Bioacoustics, Noise, and ECUA:</b> Anthropogenic Noise Effects on Animals II (Poster Session). P3-C, Level 3
1:40	2aMUb	Amphi Maillot			
2:00	2aNSa	Room 250A			
2:00	2aNSd	Room 251	3:40	2pABd	<b>Animal Bioacoustics, Underwater Acoustics, Acoustical Oceanography, Signal Processing in Acoustics, and ECUA:</b> Animal Sonar Systems II (Poster Session). P3-C, Level 3
2:00	2aNSe	Room 252A			
2:00	2aPAb	Room 351			
2:00	2aPAc	Room 352A			
2:00	2aPPa	Room 241			
2:00	2aPPc	Room 242A	3:40	2pAOa	<b>Acoustical Oceanography and ECUA:</b> Marine Ecosystem Acoustics III (Poster Session). P3-C, Level 3

#### TUESDAY AFTERNOON

2:00	2pAAa	<b>Architectural Acoustics and ASA Committee on Standards:</b> Comparison of US and European Standards in Building/Room Acoustics I. Room 202/203	3:40	2pAOb	<b>Acoustical Oceanography and ECUA:</b> Acoustical Oceanography of Polar Environments II (Poster Session). P3-C, Level 3
2:00	2pAAb	<b>Architectural Acoustics, Musical Acoustics, Physical Acoustics, and Noise:</b> Acoustics of Opera Houses II. Room 242B	3:40	2pAOc	<b>Acoustical Oceanography, Underwater Acoustics, Signal Processing in Acoustics, and ECUA:</b> Geoacoustic Characterization of the Ocean Bottom and Geoacoustic Inversion II (Poster Session). P3-C, Level 3
2:00	2pAAc	<b>Architectural Acoustics and Noise: Acoustics and Privacy in Healthcare Facilities II:</b> Emerging Research Around the World I. Room 243	2:40	2pBBa	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Ultrasound Contrast Agents for Therapy I. Room 352B
3:40	2pAAd	<b>Architectural Acoustics and Noise:</b> Acoustics of Open-Plan Spaces II (Poster Session). P2-B, Level 2	3:40	2pBBb	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Ultrasound Contrast Agents for Therapy II (Poster Session). P3-B, Level 3

3:40	2pBBc	<b>Biomedical Ultrasound/Bioresponse to Vibration and Physical Acoustics:</b> Ultrasound Contrast Agents for Imaging II (Poster Session). P3-B, Level 3	3:40	2pNSb	<b>Noise, Physical Acoustics, and EURONOISE:</b> Aeroacoustics III (Poster Session). P2-A, Level 2
3:40	2pBBd	<b>Biomedical Ultrasound/Bioresponse to Vibration and Engineering Acoustics:</b> High-Intensity Focused Ultrasound Metrology and Standards II (Poster Session). P3-B, Level 3	3:40	2pNSc	<b>Noise, ASA Committee on Standards, and EURONOISE:</b> Comparing Noise Regulations and Codes in USA and Europe (Poster Session). P2-A, Level 2
3:40	2pBBe	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> High-Intensity Focused Ultrasound II (Poster Session). P3-B, Level 3	3:40	2pNSd	<b>Noise, ASA Committee on Standards, and EURONOISE:</b> Sound Quality Tools and Applications II (Poster Session). P2-A, Level 2
3:40	2pBBf	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Quantitative Ultrasound Methods for Diagnosis and Therapy II (Poster Session). P3-B, Level 3	3:40	2pNSe	<b>Noise and EURONOISE:</b> General Topics in Noise II (Poster Session). P2-A, Level 2
2:00	2pEAa	<b>Engineering Acoustics:</b> Silicon Microphones. Room 353	3:40	2pNSf	<b>Noise, Computational Acoustics, and EURONOISE:</b> Time-Domain Modeling Methods in Acoustics I (Poster Session). P2-A, Level 2
3:40	2pEAb	<b>Engineering Acoustics and Signal Processing in Acoustics:</b> Microphone Array Signal Processing II (Poster Session). P3-C, Level 3	3:40	2pNSg	<b>Noise and EURONOISE:</b> EU Projects for Aircraft Noise Reduction I (Poster Session). P2-A, Level 2
3:40	2pEAc	<b>Engineering Acoustics:</b> Acoustic Evaluation II (Poster Session). P3-C, Level 3	3:40	2pNSh	<b>Noise and EURONOISE:</b> Action Planning and Global Solutions for Urban Noise II (Poster Session). P2-A, Level 2
3:40	2pEAe	<b>Engineering Acoustics, Underwater Acoustics, Signal Processing in Acoustics, and ECUA:</b> Sensor Technologies for Autonomous Acoustic Sensing Systems II (Poster Session). P3-C, Level 3	3:40	2pNSi	<b>Noise and EURONOISE:</b> Railway Noise and Vibration I (Poster Session). P2-A, Level 2
3:40	2pEAf	<b>Engineering Acoustics and Psychological and Physiological Acoustics:</b> Hearing Aid Engineering II (Poster Session). P3-C, Level 3	3:40	2pNSj	<b>Noise and EURONOISE:</b> Noise, Structure Borne Noise from Building Technical Equipment, and Ground Borne Noise from Railways I (Poster Session). P2-A, Level 2
3:40	2pEAg	<b>Engineering Acoustics, Underwater Acoustics, and ECUA:</b> Sonar Transducer Design and Modeling III (Poster Session). P3-C, Level 3	3:40	2pNSk	<b>Noise and EURONOISE:</b> Physical and Psychophysical Evaluation of Vehicle Exterior Noise II (Poster Session). P2-A, Level 2
3:40	2pMUa	<b>Musical Acoustics and Physical Acoustics:</b> Brass Instrument Acoustics II (Poster Session). P2-D, Level 2	3:40	2pNSl	<b>Noise and EURONOISE:</b> Environmental Noise Mapping III (Poster Session). P2-A, Level 2
3:40	2pMUb	<b>Musical Acoustics:</b> Edge Tone and Flue Pipes II (Poster Session). P2-D, Level 2	3:40	2pNSm	<b>Noise and EURONOISE:</b> Noise Mapping Techniques and Uncertainties II (Poster Session). P2-A, Level 2
3:40	2pMUc	<b>Musical Acoustics:</b> Acoustic Measurements on Wind Instruments II (Poster Session). P2-D, Level 2	5:20	2pNSn	<b>Noise and EURONOISE:</b> Railway Noise and Vibration II. Room 251
3:40	2pMUD	<b>Musical Acoustics:</b> Interaction Between Instrument and Instrumentalist II (Poster Session). P2-D, Level 2	5:20	2pNSo	<b>Noise and EURONOISE:</b> Noise, Structure Borne Noise from Building Technical Equipment, and Ground Borne Noise from Railways II. Room 252A
5:20	2pMUe	<b>Musical Acoustics and Speech Communication:</b> Singing Voice and Source-Filter Interaction. Amphi Maillot	2:00	2pPAa	<b>Physical Acoustics:</b> Nonlinear Acoustics in Earthquake Processes and Other Earth Processes I. Amphi Havane
2:00	2pNSa	<b>Noise, ASA Committee on Standards, and EURONOISE:</b> Sound Quality Tools and Applications I. Room 253	2:20	2pPAb	<b>Physical Acoustics:</b> Nonlinear Acoustics of Unconsolidated Granular Media I. Room 362/363

3:40	2pPAc	<b>Physical Acoustics:</b> Diffraction of Waves on Periodical Structures: Acoustic, Ultrasonic and Acousto-Optical Diffraction Phenomena II (Poster Session). P3-A, Level 3	3:40	2pPPf	<b>Psychological and Physiological Acoustics:</b> Auditory Perception and Signal Processing by Prostheses II (Poster Session). P2-C, Level 2
3:40	2pPAAd	<b>Physical Acoustics:</b> Outdoor Sound Propagation and Uncertainties II (Poster Session). P3-A, Level 3	5:20	2pPPg	<b>Psychological and Physiological Acoustics:</b> Loudness, from Controlled Stimuli to Environmental Sounds II. Room 242A
3:40	2pPAE	<b>Physical Acoustics:</b> Phononic Crystals II (Poster Session). P3-A, Level 3	2:00	2pSAa	<b>Structural Acoustics and Vibration and EURONOISE:</b> Acoustic Imaging in Confined Space I. Room 252B
3:40	2pPAF	<b>Physical Acoustics:</b> Acoustics of Porous Media III (Poster Session). P3-A, Level 3	3:40	2pSAb	<b>Structural Acoustics and Vibration and EURONOISE:</b> Source Characterization in Structure Borne Noise Problems II (Poster Session). P2-B, Level 2
3:40	2pPAg	<b>Physical Acoustics:</b> Photoacoustics II (Poster Session). P3-A, Level 3	3:40	2pSAc	<b>Structural Acoustics and Vibration and EURONOISE:</b> Acoustic Imaging in Confined Space II (Poster Session). P2-B, Level 2
3:40	2pPAh	<b>Physical Acoustics and Signal Processing in Acoustics:</b> Acoustic Landmine Detection II (Poster Session). P3-A, Level 3	3:40	2pSAd	<b>Structural Acoustics and Vibration and EURONOISE:</b> Vibration and Radiation from Complex Structural Systems III (Poster Session). P2-B, Level 2
3:40	2pPAi	<b>Physical Acoustics:</b> Nonlinear Acoustics of Unconsolidated Granular Media II (Poster Session). P3-A, Level 3	3:40	2pSAe	<b>Structural Acoustics and Vibration and EURONOISE:</b> General Topics in Structural Acoustics and Vibration III (Poster Session). P2-B, Level 2
3:40	2pPAj	<b>Physical Acoustics:</b> Nonlinear Acoustics in Earthquake Processes and Other Earth Processes II (Poster Session). P3-A, Level 3	2:00	2pSCa	<b>Speech Communication:</b> Speech Perception II. Room 240
3:40	2pPAk	<b>Physical Acoustics:</b> Sonic, Ultrasonic, and Megasonic Cleaning II (Poster Session). P3-A, Level 3	2:00	2pSCb	<b>Speech Communication:</b> Speech Articulation I. Room 250B
3:40	2pPAL	<b>Physical Acoustics:</b> Mathematical and Numerical Methods II (Poster Session). P3-A, Level 3	3:40	2pSCc	<b>Speech Communication:</b> General Topics in Speech Communication II (Poster Session). P2-D, Level 2
3:40	2pPPa	<b>Psychological and Physiological Acoustics:</b> General Topics in Psychological and Physiological Acoustics I (Poster Session). P2-C, Level 2	2:00	2pSPa	<b>Signal Processing in Acoustics:</b> Beamforming, Localization, and Tracking I. Room 343
3:40	2pPPb	<b>Psychological and Physiological Acoustics and ASA Committee on Standards:</b> Applications of Psychoacoustics II (Poster Session). P2-C, Level 2	3:40	2pSPb	<b>Signal Processing in Acoustics:</b> Beamforming, Localization, and Tracking II (Poster Session). P3-C, Level 3
3:40	2pPPc	<b>Psychological and Physiological Acoustics:</b> Loudness, from Controlled Stimuli to Environmental Sounds I (Poster Session). P2-C, Level 2	3:40	2pSPc	<b>Signal Processing in Acoustics:</b> Acoustical Nondestructive Evaluation, Ultrasonics, and Imaging II (Poster Session). P3-C, Level 3
3:40	2pPPd	<b>Psychological and Physiological Acoustics:</b> Integrated Approaches to Auditory Scene Analysis II (Poster Session). P2-C, Level 2	3:40	2pSPd	<b>Signal Processing in Acoustics and Physical Acoustics:</b> Biomedical Applications of Time-Reversal II (Poster Session). P3-C, Level 3
3:40	2pPPe	<b>Psychological and Physiological Acoustics:</b> Cochlear Implants: Going Beyond the Envelope II (Poster Session). P2-C, Level 2	3:40	2pSPe	<b>Signal Processing in Acoustics, Acoustical Oceanography, and ECUA:</b> Bayesian Signal Processing I (Poster Session). P3-C, Level 3

3:40	2pSPf	<b>Signal Processing in Acoustics, Biomedical Ultrasound/Bioresponse to Vibration, and Underwater Acoustics:</b> Time Reversal Methods for Array Imaging and Signal Processing II (Poster Session). P3-C, Level 3	8:00	3aAO	<b>Acoustical Oceanography, Underwater Acoustics, Signal Processing in Acoustics, and ECUA:</b> Geoacoustic Characterization of the Ocean Bottom and Geoacoustic Inversion III. Room 342A
3:40	2pSPg	<b>Signal Processing in Acoustics, Physical Acoustics, Biomedical Ultrasound/Bioresponse to Vibration, and Underwater Acoustics:</b> Overview of Time Reversal in Acoustics II (Poster Session). P3-C, Level 3	8:00	3aBBa	<b>Biomedical Ultrasound/Bioresponse to Vibration and Physical Acoustics:</b> Shock Waves in Medicine. Room 352B
5:00	2pSPh	<b>Signal Processing in Acoustics:</b> Advances in Acoustic Sensors and Networks for Defense Applications I. Room 343	11:00	3aBBb	<b>Biomedical Ultrasound/Bioresponse to Vibration and Physical Acoustics:</b> Light and Sound for Medical Imaging and Therapy I. Room 352B
2:00	2pUWa	<b>Underwater Acoustics and ECUA:</b> Auralization of Sonar Signals. Amphi Bordeaux	8:00	3aEAa	<b>Engineering Acoustics and Signal Processing in Acoustics:</b> Transducers and Signal Processing for the Oil and Gas Industry I. Room 353
2:00	2pUWb	<b>Underwater Acoustics and ECUA:</b> Sonar System and Transducer Calibration Methodology I. Room 341	10:20	3aEAb	<b>Engineering Acoustics:</b> Ultrasonic Acoustics MEMS I. Room 353
3:40	2pUWd	<b>Underwater Acoustics and ECUA:</b> Sonar System and Transducer Calibration Methodology II (Poster Session). P3-C, Level 3	8:00	3aMUa	<b>Musical Acoustics and Speech Communication:</b> Interdisciplinary Research on the Science of Singing: A Tribute to Johan Sundberg. Amphi Maillot
3:40	2pUWe	<b>Underwater Acoustics and ECUA:</b> Geoacoustic Sediment Modeling I (Poster Session). P3-C, Level 3	11:00	3aMUb	<b>Musical Acoustics:</b> Plucked Stringed Instruments I. Amphi Maillot
3:40	2pUWf	<b>Underwater Acoustics, Signal Processing in Acoustics and ECUA:</b> Acoustic Vector Fields and Sensor Processing I (Poster Session). P3-C, Level 3	8:00	3aNSa	<b>Noise, Physical Acoustics, and EURONOISE:</b> Aeroacoustics IV. Room 250A
3:40	2pUWg	<b>Underwater Acoustics and ECUA:</b> High Frequency Variability I (Poster Session). P3-C, Level 3	8:00	3aNSb	<b>Noise and EURONOISE:</b> Railway Noise and Vibration III. Room 251
			8:00	3aNSc	<b>Noise, Computational Acoustics, and EURONOISE:</b> Source Identification in Radiation and Scattering I. Room 252A
			8:00	3aNSd	<b>Noise and EURONOISE:</b> Tire-Road Noise from the Road Perspective I. Room 253
			10:00	3aNSe	<b>Noise, Structural Acoustics and Vibration, Signal Processing in Acoustics, and EURONOISE:</b> Airframe Noise Measurement, Prediction, and Control I. Room 250A
			10:40	3aNSf	<b>Noise and EURONOISE:</b> Soundscape in the Heritage of Urban and Natural Areas I. Room 251
<b>WEDNESDAY MORNING</b>					
8:00	3aAAa	<b>Architectural Acoustics:</b> Case Studies and Design Approaches I. Room 242B	8:00	3aPAa	<b>Physical Acoustics:</b> Nonlinear Acoustics of Consolidated Materials and Non Destructive Testing I. Amphi Havane
8:00	3aAAb	<b>Architectural Acoustics:</b> Prediction Methods in Building Acoustics I. Room 243	8:00	3aPAb	<b>Physical Acoustics:</b> Acoustic Probes of Planetary Environments I. Room 351
8:00	3aABa	<b>Animal Bioacoustics, Underwater Acoustics, Acoustical Oceanography, Signal Processing in Acoustics, and ECUA:</b> Animal Sonar Systems III. Room 342B	8:00	3aPAc	<b>Physical Acoustics and Computational Acoustics:</b> Combustion Noise and Thermo-Acoustics I. Room 352A
10:20	3aABb	<b>Animal Bioacoustics and ECUA:</b> Odontocete Acoustics I. Room 342B	8:00	3aPAD	<b>Physical Acoustics:</b> Ultrasonics: Material Characterization I. Room 362/363

9:20	3aPAe	<b>Physical Acoustics:</b> Ultrasonics: NDT and Layered Systems I. Room 362/363
11:20	3aPAf	<b>Physical Acoustics:</b> Ultrasonics: Industrial NDT I. Room 351
8:00	3aPPa	<b>Psychological and Physiological Acoustics and ASA Committee on Standards:</b> Applications of Psychoacoustics III. Room 241
8:00	3aPPb	<b>Psychological and Physiological Acoustics:</b> Auditory Perception of Sound Source Properties I. Room 242A
9:00	3aPPc	<b>Psychological and Physiological Acoustics, Architectural Acoustics, Noise, and Signal Processing in Acoustics:</b> Jens Blauert and His Contributions. Room 241
8:00	3aSAa	<b>Structural Acoustics and Vibration, Computational Acoustics, and EURONOISE:</b> Efficient Boundary Element Methods I. Room 252B
10:40	3aSAb	<b>Structural Acoustics and Vibration, Computational Acoustics, and EURONOISE:</b> Fluid-Structure Interaction I. Room 252B
8:00	3aSCa	<b>Speech Communication:</b> Speech Prosody and How it Relates to Segmental Aspects of Speech. Room 250B
8:40	3aSCb	<b>Speech Communication:</b> Speech Perception III. Room 240
10:40	3aSCc	<b>Speech Communication:</b> Speech Articulation II. Room 240
10:40	3aSCd	<b>Speech Communication:</b> Prosody I. Room 250B
8:00	3aSPa	<b>Signal Processing in Acoustics and Physical Acoustics:</b> Biomedical Applications of Time-Reversal II. Room 343
11:00	3aSPb	<b>Signal Processing in Acoustics:</b> Filter Design, Detection and Estimation I. Room 343
8:00	3aUWa	<b>Underwater Acoustics, Acoustical Oceanography, and ECUA:</b> Impact of Environmental Variability on Mid-Frequency Sonar Performance. Amphi Bordeaux
8:00	3aUWb	<b>Underwater Acoustics and ECUA:</b> Sonar System and Transducer Calibration Methodology III. Room 341
10:40	3aUWc	<b>Underwater Acoustics, Signal Processing in Acoustics, and ECUA:</b> Acoustic Vector Fields and Sensor Processing II. Room 341
11:20	3aUWd	<b>Underwater Acoustics and ECUA:</b> Geoacoustic Sediment Modeling II. Room 342A

## WEDNESDAY MORNING SESSIONS CONTINUED

1:40	3aAAb	Room 243
1:40	3aBBb	Room 352B
2:00	3aEAb	Room 353
1:40	3aPAa	Amphi Havane
2:00	3aSAb	Room 252B
2:00	3aUWd	Room 342A

## WEDNESDAY AFTERNOON

2:00	3pAA	<b>Architectural Acoustics:</b> Architectural Acoustics Potpourri I. Room 242B
2:00	3pAB	<b>Animal Bioacoustics, Psychological and Physiological Acoustics, and ECUA:</b> Auditory Brainstem Response and Behavior Correlation I. Room 342B
1:40	3pMUa	<b>Musical Acoustics:</b> Bowed and Keyboard Stringed Instruments I. Amphi Maillot
1:40	3pMUb	<b>Musical Acoustics:</b> Wind Instruments I. Room 202/203
1:40	3pNSa	<b>Noise, ASA Committee on Standards, and EURONOISE:</b> Sleep Disturbances and Other Health Effects. Room 252A
2:00	3pNSb	<b>Noise, ASA Committee on Standards, and EURONOISE:</b> Prominent Discrete Tones I. Room 251
2:20	3pNSc	<b>Noise and EURONOISE:</b> Car Acoustics I. Room 253
1:40	3pPAa	<b>Physical Acoustics:</b> Quantum Acoustics I. Room 351
2:00	3pPAb	<b>Physical Acoustics:</b> General Topics in Nonlinear Acoustics I. Room 352A
2:00	3pPPa	<b>Psychological and Physiological Acoustics:</b> General Topics in Psychological and Physiological Acoustics II. Room 241
2:00	3pPPb	<b>Psychological and Physiological Acoustics:</b> General Topics in Psychological and Physiological Acoustics III. Room 242A
2:00	3pSCa	<b>Speech Communication:</b> Phonetics. Room 240
2:00	3pSCb	<b>Speech Communication:</b> Prosody II. Room 250B
2:00	3pSP	<b>Signal Processing in Acoustics, Acoustical Oceanography, and ECUA:</b> Model-Based Signal Processing I. Room 343
2:00	3pUWa	<b>Underwater Acoustics and ECUA:</b> Fluctuations and Statistics. Amphi Bordeaux
2:00	3pUWb	<b>Underwater Acoustics and ECUA:</b> Array Processing. Room 341

2:00	3pUWc	<b>Underwater Acoustics and ECUA:</b> Objects Scattering and Detection. Room 362/363	8:00	4aNSc	<b>Noise, Computational Acoustics, and EURONOISE:</b> Time-Domain Modeling Methods in Acoustics II. Room 252A
3:40		<b>Awards Ceremony:</b> Amphi Bleu/Amphi Bordeaux	8:00	4aNSd	<b>Noise and EURONOISE:</b> Car Acoustics II. Room 253
			10:20	4aNSe	<b>Noise and EURONOISE:</b> Noise from Wind Power Projects I. Room 250A
			10:40	4aNSf	<b>Noise and EURONOISE:</b> Fan Noise and Low-Mach Number Rotating Blade Noise I. Room 252A
<b>WEDNESDAY EVENING</b>					
5:40		<b>Plenary Lectures:</b> Amphi Bordeaux	8:00	4aPAa	<b>Physical Acoustics:</b> Thermoacoustics I. Amphi Havane
5:40		<b>Acoustical Oceanography Prize Lecture:</b> Amphi Havane	8:00	4aPAb	<b>Physical Acoustics:</b> Ultrafast Acoustics I. Room 351
5:40		<b>60th Anniversary Celebration, SFA:</b> Amphi Bleu	8:00	4aPAc	<b>Physical Acoustics, Acoustical Oceanography, and Biomedical Ultrasound/Bioresponse to Vibration:</b> Acoustically Activated Bubble Dynamics and Applications I. Room 352A
<b>THURSDAY MORNING</b>					
8:00	4aAAa	<b>Architectural Acoustics:</b> Architectural Acoustics Potpourri II. Room 242B	8:00	4aPPa	<b>Psychological and Physiological Acoustics:</b> General Topics in Psychological and Physiological Acoustics IV. Room 241
8:00	4aAAb	<b>Architectural Acoustics:</b> Prediction Methods in Building Acoustics II. Room 243	8:40	4aPPb	<b>Psychological and Physiological Acoustics:</b> General Topics in Psychological and Physiological Acoustics V. Room 242A
10:00	4aAAc	<b>Architectural Acoustics:</b> Measuring Methods and Uncertainty in Building Acoustics I. Room 243	8:00	4aSAa	<b>Structural Acoustics and Vibration, Computational Acoustics, and EURONOISE:</b> Fluid-Structure Interaction II. Room 252B
8:00	4aABa	<b>Animal Bioacoustics, Psychological and Physiological Acoustics, and ECUA:</b> Auditory Brainstem Response and Behavior Correlation II. Room 342B	11:40	4aSAb	<b>Structural Acoustics and Vibration and EURONOISE:</b> Distributed Active Noise and Vibration Control I. Room 252B
10:40	4aABb	<b>Animal Bioacoustics:</b> Sound Production and Reception in Amphibious Marine Mammals. Room 342B	8:40	4aSCa	<b>Speech Communication:</b> Acoustics of Speech Production: Aeroacoustics and Phonation. Room 240
11:00	4aAO	<b>Acoustical Oceanography, Signal Processing in Acoustics, and ECUA:</b> Adjoint Modeling for Geoacoustic Inversion. Room 342A	8:40	4aSCb	<b>Speech Communication:</b> Neurobiology of Speech Perception. Room 250B
8:00	4aBB	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Theoretical and Computational Models of Ultrasonic Propagation in Bones I. Room 352B	8:00	4aSPa	<b>Signal Processing in Acoustics, Acoustical Oceanography, and ECUA:</b> Model-Based Signal Processing II. Room 343
8:00	4aEA	<b>Engineering Acoustics:</b> Sound Fields I. Room 353	10:40	4aSPb	<b>Signal Processing in Acoustics, Acoustical Oceanography, and ECUA:</b> Bayesian Signal Processing II. Room 343.
8:00	4aEDa	<b>Education in Acoustics:</b> Acoustics in the Public School Science Classrooms. Room 202/203	8:00	4aUWa	<b>Underwater Acoustics, Acoustical Oceanography, and ECUA:</b> Impact of Internal Waves on Shallow Water Propagation. Amphi Bordeaux
11:20	4aEDb	<b>Education in Acoustics:</b> Take 5's. Room 202/203	8:00	4aUWb	<b>Underwater Acoustics and ECUA:</b> Determination of Acoustic Properties of Materials for Sonar Applications I. Room 341
8:00	4aMU	<b>Musical Acoustics:</b> Virtual Musical Instruments I. Amphi Maillot			
8:00	4aNSa	<b>Noise and EURONOISE:</b> EU Projects for Aircraft Noise Reduction II. Room 250A			
8:00	4aNSb	<b>Noise, ASA Committee on Standards and EURONOISE:</b> Measurement of Occupational Noise Exposure I. Room 251			

8:00	4aUWc	<b>Underwater Acoustics and ECUA:</b> Geoacoustic Sediment Modeling III. Room 342A	3:40	4pABb	<b>Animal Bioacoustics, Psychological and Physiological Acoustics, and ECUA:</b> Auditory Brainstem Response and Behavior Correlation III (Poster Session). P3-C, Level 3
8:00	4aUWd	<b>Underwater Acoustics and ECUA:</b> Propagation and Reverberation. Room 362/363	3:40	4pABc	<b>Animal Bioacoustics and ECUA:</b> Odontocete Acoustics II (Poster Session). P3-C, Level 3
11:40	4aUWe	<b>Underwater Acoustics and ECUA:</b> Tank Experiments I. Room 341	5:20	4pABd	<b>Animal Bioacoustics:</b> General Topics in Animal Bioacoustics I. Room 343

#### THURSDAY MORNING SESSION CONTINUED

1:40	4aAAc	Room 243	2:00	4pAOa	<b>Acoustical Oceanography, Underwater Acoustics, and ECUA:</b> Rapid Environmental Assessment. Room 342A
2:00	4aNSf	Room 252A	3:40	4pAOb	<b>Acoustical Oceanography, Signal Processing in Acoustics, and ECUA:</b> Passive Acoustic Tomography I (Poster Session). P3-C, Level 3
1:40	4aPAa	Amphi Havane	3:40	4pAOc	<b>Acoustical Oceanography and ECUA:</b> General Topics in Acoustical Oceanography I (Poster Session). P3-C, Level 3
1:40	4aPAb	Room 351	3:40	4pAOd	<b>Acoustical Oceanography and ECUA:</b> Acoustic Characterization of Sea Floor Habitats I (Poster Session). P3-C, Level 3
1:40	4aPAc	Room 352A	5:20	4pAOg	<b>Acoustical Oceanography and ECUA:</b> Acoustic Characterization of Sea Floor Habitats II. Room 342A
2:00	4aPPb	Room 242A	5:40	4pAOh	<b>Acoustical Oceanography, Signal Processing in Acoustics, and ECUA:</b> Passive Acoustic Tomography II. Amphi Bordeaux
2:00	4aSAb	Room 252B	2:00	4pBBa	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Ultrasonic Characterization of Bone I. Room 352B
2:00	4aSCa	Room 240	3:40	4pBBb	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Ultrasonic Characterization of Bone II (Poster Session). P3-B, Level 3
2:00	4aSPb	Room 343	3:40	4pBBc	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Theoretical and Computational Models of Ultrasonic Propagation in Bones II (Poster Session). P3-B, Level 3
1:40	4aUWa	Amphi Bordeaux	3:40	4pBBd	<b>Biomedical Ultrasound/Bioresponse to Vibration and Physical Acoustics:</b> Light and Sound for Medical Imaging and Therapy II (Poster Session). P3-B, Level 3
2:00	4aUWe	Room 341	2:00	4pEAa	<b>Engineering Acoustics:</b> Transducers I. Room 353

#### THURSDAY AFTERNOON

1:20	4pAAa	<b>Architectural Acoustics:</b> Archeological Acoustics I. Room 242B	2:20	4pEAb	<b>Engineering Acoustics, Underwater Acoustics, Acoustical Oceanography, and ECUA:</b> Acoustics in Marine Archeology. Room 342B
3:40	4pAAb	<b>Architectural Acoustics:</b> Archeological Acoustics II (Poster Session). P2-B, Level 2	3:40	4pEAc	<b>Engineering Acoustics:</b> Ultrasonic Acoustic MEMS II (Poster Session). P3-C, Level 3
3:40	4pAAc	<b>Architectural Acoustics and Psychological and Physiological Acoustics:</b> Speech Segregation in Rooms II (Poster Session). P2-B, Level 2			
3:40	4pAAd	<b>Architectural Acoustics:</b> Architectural Acoustics Potpourri III (Poster Session). P2-B, Level 2			
3:40	4pAAe	<b>Architectural Acoustics and Noise:</b> Acoustics and Privacy in Healthcare Facilities II: Emerging Research Around the World II (Poster Session). P2-B, Level 2			
3:40	4pAAf	<b>Architectural Acoustics:</b> Case Studies and Design Approaches II (Poster Session). P2-B, Level 2			
3:40	4pAAg	<b>Architectural Acoustics:</b> Prediction Methods in Building Acoustics III (Poster Session). P2-B, Level 2			
3:40	4pAAh	<b>Architectural Acoustics:</b> Measuring Methods and Uncertainty in Building Acoustics II (Poster Session). P2-B, Level 2			
3:40	4pAAi	<b>Architectural Acoustics and the National Council of Acoustical Consultants:</b> Student Design Competition. P2-B, Level 2			

3:40	4pEAd	<b>Engineering Acoustics and Signal Processing in Acoustics:</b> Transducers and Signal Processing for the Oil and Gas Industry II (Poster Session). P3-C, Level 3	3:40	4pNSj	<b>Noise and EURONOISE:</b> Soundscape in the Heritage of Urban and Natural Areas II (Poster Session). P2-A, Level 2
3:40	4pEAe	<b>Engineering Acoustics:</b> Transducers II (Poster Session). P3-C, Level 3	3:40	4pNSk	<b>Noise and EURONOISE:</b> Potential to Reduce Tire/Road Noise II (Poster Session). P2-A, Level 2
3:40	4pEAF	<b>Engineering Acoustics:</b> Sound Fields II (Poster Session). P3-C, Level 3	3:40	4pNSl	<b>Noise and EURONOISE:</b> Noise from Wind Power Projects II (Poster Session). P2-A, Level 2
2:20	4pED	<b>Education in Acoustics:</b> Acoustics Education Software. Room 202/203	3:40	4pNSm	<b>Noise and EURONOISE:</b> Vibration Perception II (Poster Session). P2-A, Level 2
1:40	4pMUa	<b>Musical Acoustics:</b> Control of Natural and Synthetic Musical Sounds I. Amphi Maillot	3:40	4pNSn	<b>Noise, Computational Acoustics, and EURONOISE:</b> Source Identification in Radiation and Scattering II (Poster Session). P2-A, Level 2
3:40	4pMUB	<b>Musical Acoustics:</b> Bowed and Keyboard Stringed Instruments II (Poster Session). P2-D, Level 2	3:40	4pNSo	<b>Noise, ASA Committee on Standards, and EURONOISE:</b> Prominent Discrete Tones II (Poster Session). P2-A, Level 2
3:40	4pMUC	<b>Musical Acoustics:</b> Plucked Stringed Instruments II (Poster Session). P2-D, Level 2	3:40	4pNSp	<b>Noise and EURONOISE:</b> Tire-Road Noise from the Road Perspective II (Poster Session). P2-A, Level 2
3:40	4pMUD	<b>Musical Acoustics:</b> Wind Instruments II (Poster Session). P2-D, Level 2	3:40	4pNSq	<b>Noise and EURONOISE:</b> Fan Noise and Low-Mach Number Rotating Blade Noise II (Poster Session). P2-A, Level 2
3:40	4pMUE	<b>Musical Acoustics:</b> Control of Natural and Synthetic Musical Sounds II (Poster Session). P2-D, Level 2	5:20	4pNSr	<b>Noise and EURONOISE:</b> Cultural Variations in Sound/Noise Assessment II. Room 250A
3:40	4pMUF	<b>Musical Acoustics:</b> Virtual Musical Instruments II (Poster Session). P2-D, Level 2	3:40	4pPAa	<b>Physical Acoustics:</b> Ultrasonics: Material Characterization II (Poster Session). P3-A, Level 3
2:00	4pNSa	<b>Noise and EURONOISE:</b> Vibration Perception I. Room 250A	3:40	4pPAb	<b>Physical Acoustics and Computational Acoustics:</b> Combustion Noise and Thermo-Acoustics II (Poster Session). P3-A, Level 3
2:00	4pNSb	<b>Noise, Architectural Acoustics, and EURONOISE:</b> Noise, Vibration and Acoustics for Medical and Research Facilities and Their Occupants I. Room 251	4:00	4pPAc	<b>Physical Acoustics:</b> Quantum Acoustics II (Poster Session). P3-A, Level 3
2:00	4pNSc	<b>Noise and EURONOISE:</b> Potential to Reduce Tire/Road Noise I. Room 253	3:40	4pPAd	<b>Physical Acoustics:</b> General Topics in Nonlinear Acoustics II (Poster Session). P3-A, Level 3
3:40	4pNSd	<b>Noise and EURONOISE:</b> Cultural Variations in Sound/Noise Assessment I (Poster Session). P2-A, Level 2	3:40	4pPAe	<b>Physical Acoustics:</b> Ultrasonics: NDT and Layered Systems II (Poster Session). P3-A, Level 3
3:40	4pNSf	<b>Noise and EURONOISE:</b> Car Acoustics III (Poster Session). P2-A, Level 2	3:40	4pPAf	<b>Physical Acoustics:</b> Ultrasonics: Industrial NDT II (Poster Session). P3-A, Level 3
3:40	4pNSg	<b>Noise, Architectural Acoustics, and EURONOISE:</b> Noise, Vibration and Acoustics for Medical and Research Facilities and Their Occupants II (Poster Session). P2-A, Level 2	3:40	4pPAg	<b>Physical Acoustics:</b> Nonlinear Acoustics of Consolidated Materials and Non Destructive Testing II (Poster Session). P3-A, Level 3
3:40	4pNSh	<b>Noise, ASA Committee on Standards, and EURONOISE:</b> Measurement of Occupational Noise Exposure II (Poster Session). P2-A, Level 2	3:40	4pPAh	<b>Physical Acoustics:</b> Acoustic Probes of Planetary Environments II (Poster Session). P3-A, Level 3
3:40	4pNSi	<b>Noise, Structural Acoustics and Vibration, Signal Processing in Acoustics, and EURONOISE:</b> Airframe Noise Measurement, Prediction, and Control II (Poster Session). P2-A, Level 2	3:40	4pPAi	<b>Physical Acoustics, Acoustical Oceanography, and Biomedical Ultrasound/Bioreponse to Vibration:</b> Acoustically Activated Bubble Dynamics and Applications II (Poster Session). P3-A, Level 3

3:40	4pPAj	<b>Physical Acoustics:</b> Ultrafast Acoustics II (Poster Session). P3-A, Level 3	3:00	4pUWb	<b>Underwater Acoustics and ECUA:</b> High Frequency Variability II. Amphi Bordeaux
3:40	4pPAk	<b>Physical Acoustics:</b> Thermoacoustics II (Poster Session). P3-A, Level 3	3:40	4pUWc	<b>Underwater Acoustics and ECUA:</b> Tank Experiments II (Poster Session). P3-C, Level 3
2:00	4pPPa	<b>Psychological and Physiological Acoustics:</b> Role of Temporal Fine Structure in Speech and Non-Speech Perception for Normal and Hearing-Impaired People I. Room 241	3:40	4pUWd	<b>Underwater Acoustics and ECUA:</b> Determination of Acoustic Properties of Materials for Sonar Applications II (Poster Session). P3-C, Level 3
3:40	4pPPb	<b>Psychological and Physiological Acoustics:</b> Role of Temporal Fine Structure in Speech and Non-Speech Perception for Normal and Hearing-Impaired People II (Poster Session). P2-C, Level 2	3:40	4pUWe	<b>Underwater Acoustics and ECUA:</b> General Topics in Underwater Acoustics (Poster Session). P3-C, Level 3
3:40	4pPPc	<b>Psychological and Physiological Acoustics:</b> General Topics in Psychological and Physiological Acoustics VI (Poster Session). P2-C, Level 2	3:40	4pUWf	<b>Underwater Acoustics and ECUA:</b> Sound Propagation in 3-Dimensional Environments I (Poster Session). P3-C, Level 3
3:40	4pPPd	<b>Psychological and Physiological Acoustics:</b> Auditory Perception of Sound Source Properties II (Poster Session). P2-C, Level 2	5:20	4pUWg	<b>Underwater Acoustics and ECUA:</b> Nonlinear Acoustic Methods in Searching for Buried Objects. Room 342B
3:40	4pSAa	<b>Structural Acoustics and Vibration, Computational Acoustics, and EURONOISE:</b> Efficient Boundary Element Methods II (Poster Session). P2-B, Level 2	5:20	4pUWh	<b>Underwater Acoustics, Computational Acoustics, and ECUA:</b> Numerical Methods in Underwater Scattering. Room 362/363
3:40	4pSAb	<b>Structural Acoustics and Vibration and EURONOISE:</b> Distributed Active Noise and Vibration Control II (Poster Session). P2-B, Level 2	<b>FRIDAY MORNING</b>		
3:40	4pSAc	<b>Structural Acoustics and Vibration, Computational Acoustics, and EURONOISE:</b> Fluid-Structure Interaction III (Poster Session). P2-B, Level 2	8:00	5aAAa	<b>Architectural Acoustics:</b> New Frontiers in Room Acoustical Modeling I. Room 242B
2:00	4pSCa	<b>Speech Communication:</b> Articulatory Modeling and Control of Speech and Singing Organs. Room 250B	8:00	5aAAb	<b>Architectural Acoustics and Noise:</b> Airborne and Impact Sound Insulation I. Room 243
3:40	4pSCb	<b>Speech Communication:</b> General Topics in Speech Communication III (Poster Session). P2-D, Level 2	9:40	5aAAc	<b>Architectural Acoustics and Noise:</b> Airborne and Impact Sound Insulation II (Poster Session). P2-B, Level 2
3:40	4pSPa	<b>Signal Processing in Acoustics, Acoustical Oceanography, and ECUA:</b> Model-Based Signal Processing III (Poster Session). P3-C, Level 3	9:40	5aAAd	<b>Architectural Acoustics:</b> Coupled Volume Acoustics I (Poster Session). P2-B, Level 2
3:40	4pSPb	<b>Signal Processing in Acoustics:</b> Advances in Acoustic Sensors and Networks for Defense Applications II (Poster Session). P3-C, Level 3	9:40	5aAAe	<b>Architectural Acoustics:</b> New Frontiers in Room Acoustical Modeling II (Poster Session). P2-B, Level 2
3:40	4pSPc	<b>Signal Processing in Acoustics:</b> Filter Design, Detection, and Estimation II (Poster Session). P3-C, Level 3	9:40	5aAAf	<b>Architectural Acoustics and Musical Acoustics:</b> New Measurement Parameters in Performing Arts Spaces I (Poster Session). P2-B, Level 2
2:00	4pUWa	<b>Underwater Acoustics and ECUA:</b> Image and Signal Processing. Room 362/363	8:00	5aABa	<b>Animal Bioacoustics:</b> General Topics in Animal Bioacoustics II. Amphi Bleu
			9:40	5aABb	<b>Animal Bioacoustics:</b> General Topics in Animal Bioacoustics III (Poster Session). P3-C, Level 3
			11:00	5aAO	<b>Acoustical Oceanography and ECUA:</b> General Topics in Acoustical Oceanography II. Room 343

8:00	5aBBa	<b>Biomedical Ultrasound/Bioresponse to Vibration and Engineering Acoustics:</b> Transducers for Medical Imaging and Therapy I. Room 353	8:00	5aNSc	<b>Noise and EURONOISE:</b> Acoustic Performance of Energy Efficient Building Products I. Room 252A
8:20	5aBBb	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Ultrasonic Characterization of Bone III. Room 352B	9:40	5aNSd	<b>Noise, ASA Committee on Standards, Architectural Acoustics, and EURONOISE:</b> Classroom Acoustics I (Poster Session). P2-A, Level 2
9:40	5aBBc	<b>Biomedical Ultrasound/Bioresponse to Vibration and Engineering Acoustics:</b> Transducers for Medical Imaging and Therapy II (Poster Session). P3-B, Level 3	9:40	5aNSe	<b>Noise and EURONOISE:</b> Examples of Noise Control I (Poster Session). P2-A, Level 2
9:40	5aBBd	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> General Topics in Biomedical Ultrasound/Bioresponse to Vibration (Poster Session). P3-B, Level 3	9:40	5aNSf	<b>Noise and EURONOISE:</b> Soundscape & Community Noise II (Poster Session). P2-A, Level 2
9:40	5aBBe	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Biomedical Applications of Acoustic Radiation Force I (Poster Session). P3-B, Level 3	9:40	5aNSg	<b>Noise and EURONOISE:</b> Propagation and Urban Noise I (Poster Session). P2-A, Level 2
11:00	5aBBf	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> Biomedical Applications of Acoustic Radiation Force II. Room 352B	9:40	5aNSh	<b>Noise, Structural Acoustics and Vibration, Physical Acoustics, and EURONOISE:</b> Sound and Vibration from Explosions in Air I (Poster Session). P2-A, Level 2
8:00	5aED	<b>Education in Acoustics:</b> General Topics in Education in Acoustics. Room 202/203	9:40	5aNSi	<b>Noise and EURONOISE:</b> Acoustic Performance of Energy Efficient Building Products II (Poster Session). P2-A, Level 2
8:00	5aMUa	<b>Musical Acoustics:</b> Control of Natural and Synthetic Musical Sounds III. Amphi Maillot	11:00	5aNSj	<b>Noise and EURONOISE:</b> Examples of Noise Control II. Room 251
9:40	5aMUb	<b>Musical Acoustics:</b> General (Mode Conversion, Radiation, and Perception of Musical Sound) (Poster Session). P2-D, Level 2	8:00	5aPAa	<b>Physical Acoustics:</b> Infrasound I. Amphi Havane
9:40	5aMUc	<b>Musical Acoustics:</b> Plucked and Struck Idiophones I (Poster Session). P2-D, Level 2	8:00	5aPAb	<b>Physical Acoustics:</b> Time Reversal Acoustics for Nonlinear Imaging I. Room 351
9:40	5aMUD	<b>Musical Acoustics and Signal Processing in Acoustics:</b> Signal Representations and Models of Musical Sounds I (Poster Session). P2-D, Level 2	8:00	5aPAc	<b>Physical Acoustics:</b> Vibrations in Plates I. Room 352A
11:00	5aMUe	<b>Musical Acoustics and Signal Processing in Acoustics:</b> Signal Representations and Models of Musical Sounds II. Amphi Maillot	9:40	5aPAd	<b>Physical Acoustics:</b> Time Reversal Acoustics for Nonlinear Imaging II (Poster Session). P3-A, Level 3
11:00	5aMUf	<b>Musical Acoustics:</b> Plucked and Struck Idiophones II. Room 202/203	9:40	5aPAe	<b>Physical Acoustics:</b> Ultrasonics: Transducers and Instruments I (Poster Session). P3-A, Level 3
8:00	5aNSa	<b>Noise and EURONOISE:</b> Soundscape & Community Noise I. Room 250A	9:40	5aPAf	<b>Physical Acoustics:</b> Infrasound II (Poster Session). P3-A, Level 3
8:00	5aNSb	<b>Noise, Architectural Acoustics, and EURONOISE:</b> Noise, Vibration and Acoustics for Medical and Research Facilities and Their Occupants III. Room 251	9:40	5aPAg	<b>Physical Acoustics:</b> Ultrasonics Under Extreme Conditions I (Poster Session). P3-A, Level 3
			9:40	5aPAh	<b>Physical Acoustics:</b> Ducts and Waveguides I (Poster Session). P3-A, Level 3
			9:40	5aPAi	<b>Physical Acoustics:</b> General Topics in Physical Acoustics I (Poster Session) P3-A, Level 3
			9:40	5aPAj	<b>Physical Acoustics:</b> Scattering and Diffraction I (Poster Session). P3-A, Level 3
			9:40	5aPAk	<b>Physical Acoustics:</b> Vibrations in Plates II (Poster Session). P3-A, Level 3

11:20	5aPAI	<b>Physical Acoustics:</b> Ultrasonics: Transducers and Instruments II. Room 352A	8:40	5aSCb	<b>Speech Communication:</b> Cross-Language Speech Perception and Production. Room 250B
8:00	5aPPa	<b>Psychological and Physiological Acoustics:</b> Cross-Spectral Auditory Integration: Physiological, Psychophysical, and Clinical Evidence I. Room 241	10:20	5aSCc	<b>Speech Communication:</b> General Topics in Speech Communication IV (Poster Session). P2-D, Level 2
8:00	5aPPb	<b>Psychological and Physiological Acoustics:</b> Otoacoustic Emissions, from Cochlear Modeling to Experimental Techniques and Back I. Room 242A	8:00	5aUWa	<b>Underwater Acoustics, Signal Processing in Acoustics, and ECUA:</b> Broadband Underwater Communications I. Amphi Bordeaux
9:40	5aPPc	<b>Psychological and Physiological Acoustics:</b> Otoacoustic Emissions, from Cochlear Modeling to Experimental Techniques and Back II (Poster Session). P2-C, Level 2	8:00	5aUWb	<b>Underwater Acoustics and ECUA:</b> Environmental Impact on Propagation. Room 341
9:40	5aPPd	<b>Psychological and Physiological Acoustics:</b> General Topics in Psychological and Physiological Acoustics VII (Poster Session). P2-C, Level 2	8:00	5aUWc	<b>Underwater Acoustics and ECUA:</b> High Frequency Scattering I. Room 342A
9:40	5aPPe	<b>Psychological and Physiological Acoustics and Computational Acoustics:</b> Computational Auralization I (Poster Session). P2-C, Level 2	8:00	5aUWd	<b>Underwater Acoustics and ECUA:</b> Low-Frequency and High-Frequency Synthetic Aperture Sonar. Room 342B
9:40	5aPPf	<b>Psychological and Physiological Acoustics and Speech Communication:</b> Acoustic Features and Speech Perception I (Poster Session). P2-C, Level 2	8:00	5aUWe	<b>Underwater Acoustics and ECUA:</b> Monitoring Systems and Ambient Noise. Room 362/363
9:40	5aPPg	<b>Psychological and Physiological Acoustics:</b> Cross-Spectral Auditory Integration: Physiological, Psychophysical, and Clinical Evidence II (Poster Session). P2-C, Level 2	9:40	5aUWf	<b>Underwater Acoustics, Signal Processing in Acoustics, and ECUA:</b> Broadband Underwater Communications II (Poster Session). P3-C, Level 3
8:00	5aSAa	<b>Structural Acoustics and Vibration, ASA Committee on Standards, and EURONOISE:</b> Ground Vehicle Noise and Vibration I. Room 252B	9:40	5aUWg	<b>Underwater Acoustics and ECUA:</b> High Frequency Scattering II (Poster Session). P3-C, Level 3
8:00	5aSAb	<b>Structural Acoustics and Vibration and EURONOISE:</b> Active Noise Control: New Strategies and Innovative Concepts I. Room 253	11:00	5aUWh	<b>Underwater Acoustics and ECUA:</b> Sensor Coalition. Room 341
9:40	5aSAc	<b>Structural Acoustics and Vibration and EURONOISE:</b> Active Noise Control: New Strategies and Innovative Concepts II (Poster Session). P2-B, Level 2	11:40	5aUWi	<b>Underwater Acoustics and ECUA:</b> Synthetic Aperture Sonar and Radar Convergences. Room 342B
9:40	5aSAd	<b>Structural Acoustics and Vibration, ASA Committee on Standards, and EURONOISE:</b> Ground Vehicle Noise and Vibration II (Poster Session). P2-B, Level 2	<b>FRIDAY MORNING SESSIONS CONTINUED</b>		
8:00	5aSCa	<b>Speech Communication:</b> Speaker Identification by Machine. Room 240	2:00	5aAAa	Room 242B
			1:40	5aAAb	Room 243
			1:40	5aABa	Amphi Bleu
			2:00	5aBBf	Room 352B
			1:40	5aMUe	Amphi Maillot
			2:00	5aNsa	Room 250A
			2:00	5aNSj	Room 251
			1:40	5aPAa	Amphi Havane
			2:00	5aPAI	Room 352A
			2:00	5aSAb	Room 253
			<b>FRIDAY AFTERNOON</b>		
			3:20	5pAAa	<b>Architectural Acoustics and Musical Acoustics:</b> New Measurement Parameters in Performing Arts Spaces II. Room 242B
			3:40	5pAAb	<b>Architectural Acoustics:</b> Coupled Volume Acoustics II. Room 243

1:40	5pAO	<b>Acoustical Oceanography and ECUA:</b> Acoustical Tomography and Long Range Propagation. Room 343	2:00	5pPPa	<b>Psychological and Physiological Acoustics and Speech Communication:</b> Acoustic Features and Speech Perception II. Room 241
2:00	5pBB	<b>Biomedical Ultrasound/Bioresponse to Vibration:</b> General Topics in Biomedical Ultrasound/Bioresponse to Vibration II. Room 353	2:00	5pPPb	<b>Psychological and Physiological Acoustics and Computational Acoustics:</b> Computational Auralization II. Room 242A
2:00	5pNSa	<b>Noise, ASA Committee on Standards, Architectural Acoustics, and EURONOISE:</b> Classroom Acoustics II. Room 252A	2:00	5pSC	<b>Speech Communication:</b> Multimodal Speech Technology. Room 240
2:00	5pNSb	<b>Noise, Structural Acoustics and Vibration, Physical Acoustics, and EURONOISE:</b> Sound and Vibration from Explosions in Air II. Room 252B	1:40	5pUWa	<b>Underwater Acoustics and ECUA:</b> Sound Propagation in 3-Dimensional Environments II. Amphi Bordeaux
4:20	5pNSc	<b>Noise and EURONOISE:</b> Propagation and Urban Noise II. Room 251	1:40	5pUWb	<b>Underwater Acoustics and ECUA:</b> Scattering From Objects Near Boundaries. Room 342A
2:00	5pPAa	<b>Physical Acoustics:</b> Ducts and Waveguides II. Room 351	2:00	5pUWc	<b>Underwater Acoustics and ECUA:</b> Automatic Target Recognition, Sensors, and Algorithms. Room 341
3:20	5pPAb	<b>Physical Acoustics:</b> Ultrasonics Under Extreme Conditions II. Amphi Havane	2:20	5pUWd	<b>Underwater Acoustics and ECUA:</b> Acoustic Data Fusion. Room 342B
4:00	5pPAc	<b>Physical Acoustics:</b> General Topics in Physical Acoustics II. Room 352A	4:00	5pUWe	<b>Underwater Acoustics and ECUA:</b> Noise Suppression, Robust Direction of Arrival, and Target Strength Estimation. Room 342B
5:00	5pPAd	<b>Physical Acoustics:</b> Scattering and Diffraction II. Room 351	4:40	5pUWf	<b>Underwater Acoustics and ECUA:</b> Sound Generation and Attenuation. Room 343