

**155<sup>th</sup> Meeting of the Acoustical Society of America**  
**5th Forum Acusticum of the European Acoustics Association**  
**9th Congrès Français d'Acoustique of the French Acoustical Society**  
**integrating the 7th EUROpean conference on NOISE control (eurnoise),**  
**the 9th European Conference on Underwater Acoustics (ecua)**  
**and the 60th Anniversary of the French Acoustical Society**

Acoustics'08 Paris will be held Monday through Friday, 30 June–4 July 2008, at the Palais des Congrès in Paris, France. This meeting incorporates the 155th Meeting of the Acoustical Society of America (ASA), the 5th Forum Acusticum of the European Acoustics Association (EAA), and the 9th Congrès Français d'Acoustique of the French Acoustical Society (SFA) integrating the 7th EUROpean conference on NOISE control (eurnoise), the 9th European Conference on Underwater Acoustics (ecua) and the 60th Anniversary of the SFA.

The on-site registration desk will open on Sunday, 29 June, from 2:00 p.m. to 9:00 p.m. in Havane Hall on level 0 of the Palais des Congrès. It will be open from 7:00 a.m. to 6:00 p.m. on Monday, 30 June, and 7:45 a.m. to 4:00 p.m. Tuesday through Friday. Technical sessions will be held Monday through Friday.

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#### 1. HOTEL AND DORMITORY INFORMATION

A variety of options for accommodations are described on the meeting website at [www.acoustics08-paris.org](http://www.acoustics08-paris.org), including hotels, dormitories, and making reservations through a travel agency.

The Concorde Lafayette Hotel is located in the same building as the Palais des Congrès and provides access for handicapped persons. The cut-off date for making reservations at the reduced rate was Wednesday, 30 April. Please contact the hotel for information on room availability: Hotel Concorde Lafayette, 3, Place du Général Koenig, 75017 Paris, France; +33 (0)1 40 68 50 68 (T); +33 (0)1 40 68 50 43 (F); 1-800-888-4747 (US reservations).

The organizers have commissioned a travel agency to handle hotel reservations which offers all price ranges for hotels. To book through this agency, please visit the following website: [www.acoustics08-paris.org/venue/accommodation/travel-agency/](http://www.acoustics08-paris.org/venue/accommodation/travel-agency/)

The meeting secretariat has booked and paid for a limited number of low-cost rooms. These rooms are located in several university residences in Paris that are within easy travel distance to the meeting site by public transportation. Rooms will be booked on a “first-come first-served” basis. For dormitory descriptions and reservations, please visit the following website: [www.acoustics08-paris.org/students/dormitories](http://www.acoustics08-paris.org/students/dormitories)

#### 2. TRANSPORTATION AND TRAVEL DIRECTIONS

**Air:** Two main airports serve Paris: Paris-Charles de Gaulle International Airport (Airport code: CDG) and Paris-Orly International Airport (Airport code: ORY). They are served by most international airlines. Please note your departure airport and terminal since there are two drop off points for ground transportation. Further information is available at [www.aeroportsdeparis.fr/ADP/en-GB/Passangers](http://www.aeroportsdeparis.fr/ADP/en-GB/Passangers).

**Ground Transportation:** *Paris-Charles de Gaulle International Airport* is approximately 18.5 miles (30 km) from the Palais des Congrès (Porte Maillot).

**Taxis:** A taxi costs around €50.00 from the airport to Paris city center or to Palais des Congrès. An extra charge of about 15% applies at night from 7:00 p.m. to 7:00 a.m. and on Sundays and public holidays. Taxis are available upon exiting the baggage claim area. Terminal 1 exit 20 at arrivals level; terminals 2A and 2C exit 6; terminals 2B and 2D exit 7; terminals 2E and 2F exit 1. Approximate travel time: 35 minutes.

**Air France Shuttle:** Direct shuttle service is available from the airport to Palais des Congrès for €13.00 per person, one way or €18.00 per person, round trip. Follow the “Air

France Shuttle” sign at the terminal. Line 2 shuttle stops at “Porte Maillot” 100 meters from the meeting center entrance (boulevard Gouvion St-Cyr opposite the Méridien hotel). Shuttles are available from 5:50 a.m. to 11:00 p.m. Approximate travel time: 45 minutes.

**Public transportation:** Follow “RER” signs at the terminal. Take RER B towards “Robinson” or “Saint Rémy les Chevreuse” and exit at “St. Michel Notre Dame.” At “St. Michel Notre Dame” station follow “RER C” signs. Take RER C towards “Pontoise” or “Argenteuil” and exit at “Porte Maillot” station. RER B is available from 5:00 a.m. to 11:50 p.m. Approximate travel time: 1 hour. Ticket machines are located in the RER station and valid tickets are required to enter and exit the RER part of Metro. A one-way ticket costs €8.20. When you return to the airport, check to be sure that you are on the line to CDG 1 and 2.

*Paris-Orly International Airport* is approximately 14.3 miles (23 km) from the Palais des Congrès (Porte Maillot).

**Taxis:** A taxi costs around €50.00 from the airport to Paris city center or to Palais des Congrès. An extra charge of about 15% applies at night from 7:00 p.m. to 7:00 a.m. and on Sundays and public holidays. Taxis are available at terminal Paris-Orly Sud exit L and terminal Paris-Orly Ouest exit I at the arrivals level. Approximate travel time: 30 minutes.

**Air France Shuttle:** Direct shuttle service is available from the airport to Invalides for €8.00 (per person, one way) or €12.00 (per person, round trip). Follow the “Air France Shuttle” sign at the terminal. Line 1 shuttle stops at “Invalides.” Then purchase a Metro ticket (cost €1.30) and take RER C towards “Pontoise” or “Argenteuil” and exit at “Porte Maillot” station. Shuttles are available from 6:00 a.m. to 11:00 p.m. Approximate travel time: 45 minutes.

**Public transportation:** Follow “Orlyval” signs at the terminal. Take Orlyval metro towards “Antony” and exit at “Antony” station. Take RER B towards “Aéroport Charles de Gaulle” or “Mitry Claye” and exit at St. Michel Notre Dame. At “St. Michel Notre Dame” station, follow “RER C” signs. Take RER C towards “Pontoise” or “Argenteuil” and exit at “Porte Maillot” station. “Orlyval” is available from 6:00 a.m. to 11:00 p.m. Approximate travel time: 1 hour. Ticket machines are located in the RER station. A one-way ticket costs €9.30.

**Car rental:** Car rental agencies have offices at both airports, although having a car in Paris is usually not advantageous. Underground parking is available at the Palais des Congrès. The 24-hour rate is €27.00. Detailed driving directions from both airports can be found at [www.acoustics08-paris.org/venue/access-transport/](http://www.acoustics08-paris.org/venue/access-transport/)

### 3. STUDENT TRANSPORTATION SUBSIDIES

To encourage student participation, travel grants have been provided by ASA, EAA, and SFA to students and young scientists presenting papers to partially defray transportation expenses to the meeting. The deadline for the present meeting has passed.

### 4. MESSAGES FOR ATTENDEES

Messages for attendees may be left by calling +33 (0)637883979 during the meeting. The message board will

be located in Havane Hall level 3 near the registration desk. This board may also be used by attendees who wish to contact one another. Members or others who wish to communicate with the Acoustical Society of America should visit Exhibition booth #63 in Havane Hall on level 3.

### 5. REGISTRATION

Registration is required for all attendees and accompanying persons to pass through security. Registration badges must be worn in order to participate in technical sessions and other meeting activities.

On-site registration will be possible but advance registration is highly recommended. The on-site registration desk will open on level 0 of the Palais des Congrès on Sunday, 29 June from 2:00 p.m. to 9:00 p.m. and in Havane Hall on level 3 on Monday, 30 June, from 7:00 a.m. to 6:00 p.m. and Tuesday to Friday, 1-4 July, from 7:45 a.m. to 4:00 p.m.

Credit card is the preferred mode of payment. The secure online registration system accepts the following cards: Visa, Mastercard, and American Express. Checks drawn on French banks and travelers checks in Euros will also be accepted. Meeting attendees who have pre-registered may pick up their badges and registration materials at the pre-registration desk.

The registration fees in Euros (€) are €550 for members of the ASA, EAA, and SFA; €600 for nonmembers; €250 for Emeritus members (emeritus status must be pre-approved); €250 for student members of ASA, EAA, and SFA (with current student ID cards); €300 for student nonmembers (with current student ID cards); and €200 for accompanying persons (entitles participation in Accompanying Persons Program and the hospitality room but does not include access to meeting rooms, except during opening and closing ceremonies). No tax will be added [the SFA is not subject to VAT (sales) tax]. NOTE: No reimbursement will be made for registration cancellation received after 8 April 2008.

### 6. TECHNICAL SESSIONS

The technical program includes 428 sessions, with 3588 papers scheduled for presentation during the meeting. Note that many sessions are scheduled in two parts and some in multiple parts, that is, I, II, III, etc.

A floor plan of the Palais des Congrès appears on pages A8 and A9. All oral presentations, both invited and contributed, have been allotted 16 minutes plus 4 minutes for questions and for participants to move to other sessions. An audio signal will be emitted to signify the start of each presentation, the end of the presentation, and the end of discussion.

Session Chairs have been instructed to adhere strictly to the printed time schedule, both to be fair to all speakers and to permit attendees to schedule moving from one session to another to hear specific papers. If an author is not present to deliver a lecture-style paper, the Session Chairs have been instructed either to call for additional discussion of papers already given or to declare a short recess so that subsequent papers are not given ahead of the designated times.

General poster sessions will be held on Tuesday, 1 July (3:40 p.m. to 5:20 p.m.), Thursday, 3 July (3:40 p.m. to 5:20

p.m.) and Friday, 4 July (9:40 a.m to 11:20 a.m.). Lecture sessions will recess during General poster sessions. Speech Communication poster sessions will be held on Monday, 30 June (4:20 p.m. to 7:20 p.m.), Tuesday, 1 July (3:40 p.m to 6:40 p.m.), Thursday, 3 July (3:40 p.m to 6:40 p.m.) and Friday, 4 July (10:20 a.m to 12:40 p.m.). Poster sessions will be located in several areas according to the primary Technical Committee that organized the session: P2-A for NS, P2-B for AA and SA, P2-C for PP, P2-D for MU and SC, P3-A for PA, P3-B for BB, P3-C for AB, AO, EA, SP and UW. Poster areas appear on the map on pages A8 and A9.

## 7. TECHNICAL SESSION DESIGNATIONS

The first character is a number indicating the day the session will be held as follows:

- 1-Monday, 30 June
- 2-Tuesday, 1 July
- 3-Wednesday, 2 July
- 4-Thursday, 3 July
- 5-Friday, 4 July

The second character is a lower case “a” for a.m., “p” for p.m., or “e” for evening corresponding to the time of day the session will take place. The third and fourth characters are capital letters indicating the primary Technical Committee that organized the session using the following abbreviations or codes:

- AA Architectural Acoustics
- AB Animal Bioacoustics
- AO Acoustical Oceanography
- BB Biomedical Ultrasound/Bioresponse to Vibration
- EA Engineering Acoustics
- ED Education in Acoustics
- ID Interdisciplinary
- MU Musical Acoustics
- NS Noise
- PA Physical Acoustics
- PP Psychological and Physiological Acoustics
- SA Structural Acoustics and Vibration
- SC Speech Communication
- SP Signal Processing in Acoustics
- UW Underwater Acoustics

Sessions that are cosponsored by the Computational Acoustics technical committee of the European Acoustics Association, ECUA (European Conference on Underwater Acoustics), or Euronoise (European Conference on Noise Control) are so noted in the session titles.

In sessions where the same group is the primary organizer of more than one session scheduled in the same morning or afternoon, a fifth character (a lower-case letter) is used to distinguish the sessions, e.g., “a,” “b,” “c,” etc. Each paper within a session is identified by a paper number following the session-designating characters, in a conventional manner. As hypothetical examples: paper 2pEA3 would be the third paper in a session on Tuesday afternoon organized by the Engineering Acoustics Technical Committee; 3pSAb5 would be the fifth paper in the second of two sessions on Wednesday afternoon sponsored by the Structural Acoustics and Vibration Technical Committee.

Note that technical sessions are listed both in the calendar and the body of the program in the numerical and alphabetical order of the session designations rather than the order of their starting times. For example, session 3aAA would be listed ahead of session 3aAO even if the latter session began earlier in the same morning.

## 8. PLENARY LECTURES

Four plenary lectures will be given at Acoustics’08 Paris: Two at the Opening Ceremony on Monday morning, 30 June, and two others during the ASA/EAA/SFA plenary session on Wednesday afternoon, 2 July. See sections 9 and 16 for details about these lectures.

## 9. OPENING CEREMONY

The meeting will begin with an opening ceremony on Monday, 30 June, at 8:40 a.m. in the “Grand Amphitheater” of Palais des Congrès (entrance located on level 0).

The ceremony will start with a special welcome from the vice-president of the Ile de France regional council and addresses by the presidents of ASA, EAA and SFA. Musical interludes will be given and two plenary lectures will be presented: “How sound from human activities affects marine mammals,” by Peter Tyack of the Woods Hole Oceanographic Institution, MA, USA and “New trends in aeroacoustics: From acoustic analogies to direct numerical simulations,” by Daniel Juvé of Ecole Centrale de Lyon, France. Abstracts of these lectures can be found in Session 1aID.

## 10. CLOSING CEREMONY

The meeting will end with a closing ceremony on Friday, 4 July, at 6:20 p.m. in the Bleu Amphitheater (level 2).

## 11. BEST STUDENT PAPER AWARDS

A “Best Paper” Awards competition for students and young presenters has been organized by each Technical Committee at the Acoustics’08 Paris meeting. Each Technical Area will appoint a subcommittee to review the papers or posters at the meeting and to select the Best Papers based both on content and presentation. Following the meeting winners will be announced in *ECHOES* (ASA’s newsletter), in the EAA and SFA newsletters, and on the ASA Student Zone (<http://www.acosoc.org/student/>) and EAA ([www.eaa-fenestra.org](http://www.eaa-fenestra.org)) websites. Winners (up to two per Technical Committee) will receive cash prizes.

## 12. STUDENT DESIGN COMPETITION

The Acoustical Society of America’s Technical Committee on Architectural Acoustics, with support from the Robert Bradford Newman Student Award Fund and the National Council of Acoustical Consultants, is sponsoring a student design competition to be judged and displayed at Acoustics’08 Paris. It will be held in session 4pAAi on Thursday, 3 July, at 3:40 p.m. The Student Design Competition is intended to encourage students in the disciplines of architecture, engineering, physics, and other curricula that involve building design and/or acoustics to express their knowledge of architectural acoustics and noise control in the design of a facility in which acoustical

considerations are of significant importance. The 2008 competition involves the conceptual design for the inclusion of a theater in a university building project.

The submitted poster presentations will be displayed at the meeting in Maillot Hall and judged by a panel of practicing design professionals. The judges will include acoustics consultants and may include architects and theater consultants. Entries will be evaluated on technical merit, design vision, adherence to the design scenario, and effectiveness of presentation. An award of USD\$1,250 will be made to the individual or team with the entry chosen as "First Honors." Commendation awards of USD\$700 will be made to four individuals or teams of other outstanding entries. Awards are funded through a grant from the Wenger Foundation by the Newman Student Award Fund.

### 13. GALLERY OF ACOUSTICS

The Technical Committee on Signal Processing in Acoustics will sponsor its tenth Gallery of Acoustics at Acoustics'08 Paris. The objective of the Gallery is to enhance meetings by providing a compact and free-format setting for researchers to display their work to all meeting attendees in a forum emphasizing the diversity and interdisciplinary nature of acoustics. The Gallery of Acoustics provides a means by which we can all share and appreciate the natural beauty and aesthetic appeal of acoustical phenomena. The Gallery will be held in Havane Hall between exhibition booths 20 and 21 in the Palais des Congrès, Monday to Friday, 30 June–4 July, and will include posters, videos, and audio clips of images and/or sounds generated by acoustic processes or resulting from signal processing of acoustic data. Meeting attendees are asked to vote on the entries on the basis of aesthetic/artistic appeal, ability to convey and exchange information, and originality. A cash prize of USD\$1000 will be awarded to the winning entry.

### 14. TECHNICAL TOURS

Several technical tours are planned during the meeting. There is no charge to participate in technical tours but participants must register on the meeting website at [www.acoustics08-paris.org/program/technical-tours](http://www.acoustics08-paris.org/program/technical-tours) by 23 May. The number of participants is limited for each tour and registration can only be accepted on a space-available basis. For technical tours taking place in Paris, participants must arrange their own transportation to and from the tour site (maps and instructions for each tour will be available at the registration desk in Havane Hall). For technical tours outside Paris, bus transportation will be provided and participants will meet at level 0 of Palais des Congrès. Additional information on technical tours will be available on the meeting website.

- LABE, European Acoustics Laboratory in the Building Industry (Tuesday, 1 July, 2:00 p.m. to 9:00 p.m., earlier return is possible by using ground transportation; limited to 100 participants; bus transportation provided). For the 10th anniversary of the LABE and within the context of the Acoustics'08 Paris conference, the CSTB plans a session of acoustic tests and innovative acoustic approaches. Demonstrations will include: measurement of

level intensity in rainfall noise (according to the standard EN ISO 140-18); measurement of airborne and structure borne sound from building equipment with demonstration of a whirlpool bath (according to draft standard pr EN 15657-1); measurement of walking noise on floor coverings (according to the standard NF S 31-057 and European draft WG1/AHG7 of 25/11/2005); presentation of virtual models produced on the basis of physical models (acoustics, lighting, etc.); presentation of an active window (research program TERIA); demonstration of the software ACOUBAT Sound V5.0 (2008) and of its new functions (offices, roof, acoustic correction, etc.). Based on the European standards of simulations (EN 12354-1 to 3 and 6), this software makes it possible to assess the acoustic performance of a building based on the performance of its constituent products; simulation of acoustic performance in products (partition wall and floating screen); road traffic noise reduction dives (CE marking, simplified implementation, R&D). This event will end with a brunch offered by LABE.

- LAM: Musical Acoustics Laboratory (Tuesday, 1 July, and Wednesday, 2 July, at 2:30 p.m.; duration–1 and one-half hours; limited to 80 participants; meet at LAM): demonstrations in musical acoustics, visualization of streaming in wind instruments, use of new materials in stringed instruments, research on optical supports (CD, DVD) for sound records, enclosures with nozzles for audio-engineering, synthesis by gesture control, [www.lam.jussieu.fr](http://www.lam.jussieu.fr)
- Musée des Arts et Métiers (Tuesday, 1 July, at 2:00 p.m. and 4:00 p.m.; duration–2 hours; limited to 100 participants; meet at museum): visit to the museum of science and technology including Blériot airplane, Lavoisier laboratory, [www.arts-et-metiers.net](http://www.arts-et-metiers.net)
- IAT Aerotechnical Institute (Wednesday, 2 July, at 12:15 p.m.; duration–3 and one-half hours including transportation; limited to 40 participants; bus transportation provided): Wind tunnels for car testing and real and reduced (2/5th) scales (test room, test stream, fan, etc.) and of the associated measurement facilities (aerodynamic force measurement balance, acoustical measurements, set-up, etc.), [www.cnam.fr/instituts/IAT](http://www.cnam.fr/instituts/IAT)
- ONERA/CEPR French Aerospace Laboratory Thruster Test Center (Wednesday, 2 July, 2:00 p.m.); duration–2 and one-half hours including travel; limited to 25 participants; bus transportation provided): Anechoic wind tunnel, RACE tests facility (fans and turbojets), [www.onera.fr/english](http://www.onera.fr/english). For this tour, participants must complete and return the form available on the meeting website to the Conference Secretariat at [acoustics08@laposte.com](mailto:acoustics08@laposte.com) prior to the meeting. Participants must also bring their photo ID (identify cards for UE citizens; passports for citizens of other countries) with them on the tour.
- IRCAM (Institut de Recherche et Coordination Acoustique/Musique) (Thursday, 3 July at 3:00 p.m. and Friday, 4 July, at 10:00 a.m.; duration–1 and one-half hours; limited to 100 participants; meet at IRCAM):

demonstrations in musical acoustics, sound spatialization, sound design, synthesis methods and sound treatment, [www.ircam.fr](http://www.ircam.fr)

- Guided tour “Pipe organs of Paris” (Thursday, 3 July, at 2:00 p.m.; duration–3 hours; limited to 200 participants; meet at Sainte Elisabeth church). Paris is the location of probably the largest number of pipe organs in the world with more than 250 instruments in public buildings, mainly churches. The oldest pipes and organ cases in the city date back to the late 16th and early 17th centuries, as well as other magnificent instruments dating back to the 18th, 19th, 20th, and even 21st centuries. These instruments are often associated with French composers of the past such as Du Caurroy, Rameau, Couperin, Daquin, Clerambault, Franck, Saint Saens, Bizet, Gounod, Widor, Vierne, Dupré, Messiaen, just to name a few, who were organists in Paris. Nowadays, almost all major instruments can be heard several times a week during church services or concerts, and are served today as in the past by distinguished musicians. The tour will begin with a short introduction to the Parisian organ landscape, presenting the history of organ building in Paris, and the most important instruments of the city. Following this introduction, a detailed technical and musical visit to the historical organ of Sainte Elisabeth will be offered. The tour will continue with visits to one or more interesting instruments in the center of Paris, depending on attendance and availability.
- UGC cinema facility in Paris La Défense (Friday, 4 July, at 10:00 a.m.; duration–one hour; limited to 60 participants; meet at UGC la défense. The UGC cinema of Paris La Defense features 16 projection rooms, one of them a former Imax theatre. It was outfitted in the former automobile museum facility in 2006. Due to the severe weight restrictions applicable in this building, the partitioning of the projection rooms was performed using gypsum board walls supported by beams, while the flooring was made of wooden panels. The visit will begin with a brief explanation of how a cinema facility operates. Next, the types of walls (with a height ranging up to 14 m) and floors used in such a construction will be described, as well as the absorptive treatment applied. Lastly, the former Imax facility will be visited and its transformation into a regular projection room explained.

## 15. TECHNICAL COMMITTEE OPEN MEETINGS

Technical Committees of the Acoustical Society of America and of the European Acoustics Association will hold joint open meetings in the Palais des Congrès. These are working, collegial meetings and much of the work of the Societies is accomplished by actions that originate and are taken in these meetings. All meeting participants are cordially invited to attend these meetings and to participate actively in the discussions. Please refer to the schedule on page A34 for the times and locations of these Committee meetings.

## 16. PLENARY SESSION AND AWARDS CEREMONY

A joint ASA/EAA/SFA plenary session will be held Wednesday, 2 July, starting at 3:40 p.m. in the Bleu

Amphitheater (level 2). The program will include presentation of awards, recognition of newly-elected fellows and plenary lectures. Video retransmission will be available in the Bordeaux Amphitheater (level 3) only for presentation of awards and recognition of fellows.

The session will begin with recognition of new fellows of the Acoustical Society of America, followed by the presentation of medals and awards by the Acoustical Society of America, the European Acoustics Association, and the French Acoustical Society. The medals and awards ceremony will be followed by two plenary lectures in the Bordeaux Amphitheater at 5:40 p.m. The plenary lectures are: “Binaural hearing and systems for sound reproduction,” by Philip Nelson of the University of Southampton, UK and “Optoacoustics: Can ultrasonic imaging become the preferred modality for molecular imaging?” by Matthew O’Donnell of University of Washington, WA, USA. Abstracts of these lectures can be found on page 3469.

The Acoustical Society of America will present the following awards: the 2008 Medwin Prize in Acoustical Oceanography to Mark V. Trevorrow, the Distinguished Service Citation to Charles E. Schmid, the R. Bruce Lindsay Award to Tyrone M. Porter, the Helmholtz-Rayleigh Interdisciplinary Silver Medal to James V. Candy, and the Gold Medal to Patricia K. Kuhl. Mary K. Fagan, recipient of the Research Grant in Speech Science of the American Speech-Language-Hearing Foundation will be introduced.

The European Acoustics Association will present the following awards: the EAA Award for “Lifetime Achievements in Acoustics” to Gunnar Rasmussen, the EAA Award for “Contributing to Promotion of Acoustics in Europe” to the Federation of Acoustical Societies of Europe (FASE), and the EAA Award for “Outstanding Scientific Results Published Recently in *Acta Acustica united with Acustica*” to Catherine Guastavino, Brian F.G. Katz, Jean-Dominique Polack, Daniel J. Levitin, Danielé Dubois for the paper Ecological Validity of Soundscape Reproduction.

The French Acoustical Society will present the following awards: The French Medal to Vitalyi Gusev and the Foreign Medal to Walter Lauriks.

After the awards ceremony there will be a celebration of the 60th anniversary of the Société Française d’Acoustique in the Bleu Amphitheater at 5:40 p.m. and the ASA’s Acoustical Oceanography Prize Lecture will be presented in the Havane Amphitheater.

## 17. MEDWIN PRIZE IN ACOUSTICAL OCEANOGRAPHY AND ACOUSTICAL OCEANOGRAPHY PRIZE LECTURE

The 2008 Medwin Prize in Acoustical Oceanography will be awarded to Mark V. Trevorrow, Defence R&D Canada Atlantic, Dartmouth, NS, Canada, at the Plenary Session on Wednesday, 2 July. Mark Trevorrow will present the Acoustical Oceanography Prize Lecture titled “The use of moored inverted echosounders for monitoring near-surface processes” on Wednesday, 2 July at 5:40 p.m. in the Havane Amphitheater.

## 18. 60TH ANNIVERSARY OF THE FRENCH ACOUSTICAL SOCIETY

The session celebrating the 60th anniversary of the French Acoustical Society will be held Wednesday, 2 July, starting at 5:40 p.m. in the Bleu Amphitheater (level 3). This session will be held in French.

## 19. EXHIBITION AND OPENING RECEPTION

The meeting will be highlighted by an exhibition covering all areas of acoustics (instruments, equipment, software, services, etc.).

The exhibition is conveniently located in Havane Hall (level 3) near the registration area and meeting rooms. In order to facilitate contact between participants and exhibitors, both morning and afternoon coffee breaks as well as the opening reception will be held in the exhibition area.

The exhibition will open on Monday, 30 June, at 11:40 a.m. with an opening reception from 11:50 a.m. to 1:00 p.m. The exhibition schedule is: Monday, 30 June, 8:00 a.m. to 6:00 p.m., Tuesday, 1 July through Thursday, 3 July, 8:00 a.m. to 6:00 p.m., and Friday, 4 July, 8:00 a.m. to 4:00 p.m. The exhibition will close on Friday, 4 July, at 4:00 p.m.

A 5% discount is given to companies or institutions that are sustaining members of ASA, SFA, or any National Acoustical Society of the EAA. Detailed information about the exhibition is available on the meeting website at <http://www.acoustics08-paris.org/exhibition> and in the exhibition catalog.

## 20. MEETING CD ROM

Proceedings of the Acoustics'08 Paris meeting will be published and distributed at the meeting to all participants. It will consist in three separate CDs: one general, one *euronoise*, and one *ecua*. The three CDs are included in the registration fees.

## 21. ECUA PROCEEDINGS

Paper proceedings will be available for the *ecua* part of the meeting and will be sold separately at production cost.

## 22. SPONSORS

The following institutions and companies are sponsors of the Acoustics'08 Paris meeting:

### Platinum sponsors

- \* Normalu Barrisol
- \* Région Ile de France

### Gold sponsor

- \* 01 dB-Metravib

### Silver sponsors

- \* Direction Générale de l'Armement
- \* Head Acoustics

### Standard sponsors

- \* Centre National de la Recherche Scientifique
- \* Isover
- \* Müller BBM

## 23. COFFEE BREAKS

Coffee breaks will be held in Maillot Hall A (level 2) and in Havane Hall (level 3). Morning coffee breaks will be held between 9:40 a.m. and 11:20 a.m. on Tuesday, Wednesday, Thursday, and Friday. Afternoon coffee breaks will be held

between 3:20 p.m. and 5:00 p.m. on Monday, Tuesday, Thursday, and Friday. An afternoon coffee break will not be scheduled on Wednesday.

A cash bar and snacks will be available at the Arlequin bar (level 3) during the meeting from 8:00 a.m. to 6:30 p.m.

## 24. A/V PREVIEW ROOM

Rooms 234M and 235M (level 2.5) will be set up as A/V preview rooms for authors' convenience, and will be available on Monday from 12:00 noon to 6:00 p.m. and Tuesday through Friday, 8:00 a.m. to 6:00 p.m.

## 25. E-MAIL AND INTERNET ACCESS

Areas providing internet access will be available in rooms 237M (level 2.5) and 315 (level 3) on Monday from 12:00 noon to 6:00 p.m. and Tuesday through Friday from 8:00 a.m. to 6:00 p.m. The internet areas will provide desktop computers and ethernet connections for attendees laptop computers. Information about WiFi access will be available at the meeting.

## 26. BUFFET SOCIAL

A reception will be held on Tuesday evening, 1 July. Further information will be given on the meeting website.

## 27. BANQUET

The banquet will be held on Wednesday evening, 2 July. Further information will be provided on the meeting website. Those who wish to attend must make reservations on the meeting website at [www.acoustics08-paris.org/registration/](http://www.acoustics08-paris.org/registration/) before Friday, 23 May. After 23 May, reservations can only be accepted on a space-available basis.

## 28. STUDENTS LUNCHEON

The students luncheon will be held at 12:40 p.m. on Wednesday 2 July. The location will be provided on the meeting website and on the luncheon ticket. This reception will provide an opportunity for students to meet informally with fellow students and other meeting participants. All students are encouraged to attend, especially students who are first time attendees or those from smaller universities. The luncheon is free for all students but requires prior reservation. Those who wish to attend must make reservations on the meeting website at [www.acoustics08-paris.org/registration/](http://www.acoustics08-paris.org/registration/) before Friday, 23 May. After 23 May, reservations can only be accepted on a space-available basis.

## 29. COMMITTEE ON WOMEN IN ACOUSTICS LUNCHEON

The Women in Acoustics luncheon will be held at 12:40 p.m. on Tuesday, 1 July, in Maillot Hall (level 2). After 8 March, the fee is €20 (€10 for students). Those who wish to attend must make reservations on the meeting website at [www.acoustics08-paris.org/registration/](http://www.acoustics08-paris.org/registration/) before Friday, 23 May. After 23 May, reservations can only be accepted on a space-available basis.

## 30. CHILD CARE

Information concerning child care will be added to the meeting website at [www.acoustics08-paris.org/venue/child-care](http://www.acoustics08-paris.org/venue/child-care) when details become available.

### 31. ACCOMPANYING PERSONS PROGRAM

Spouses and other visitors are welcome at Acoustics'08 Paris. The on-site registration fee for accompanying persons is €200 and entitles participation in the Accompanying Persons Program, but does not include access to meeting rooms (except Opening, Closing, and Awards Ceremonies).

A hospitality room for accompanying persons will be open in Maillot Foyer (level 2) at the Palais des Congrès from 8:00 a.m. to 11:00 a.m. Tuesday through Friday.

Further information on the accompanying persons program is available on the conference website at [www.acoustics08-paris.org/accompanying-persons](http://www.acoustics08-paris.org/accompanying-persons).

### 32. PRE- AND POST-CONFERENCE TOURS

Information concerning pre- and post-conference tours will be added to the meeting website when details become available.

### 33. PARIS CITY INFORMATION

**Weather**—Paris in July is usually sunny but of course showers may occur. Temperatures during the day range from an average high of 77 degrees F (25 degrees C) to an average low of 59 degrees (15 degrees C).

**Local Time**—Standard time zone (GMT +1 hr) and daylight saving time (+1 hr) give a time zone offset of GMT +2 hours.

**Currency and foreign exchange**—The local currency is EURO (€). Currency can be exchanged at some banks and preferably at “Bureau de change” that can be found all around the “Palais de Congrès,” in large department stores, main railway stations, airports and near tourist attractions. Please note: Although the exchange rate is fixed, commission rates are not. They have to be clearly displayed.

**Banking and credit cards**—Banks are open generally from 9:00 a.m. to 5:00 p.m. with an optional break at lunch time, from Monday to Friday or from Tuesday to Saturday. Automatic Teller Machines (cash dispensers) can be found almost everywhere and accept most international cards (Visa, Eurocard, and Mastercard). In shops and restaurants, mainly Visa, Eurocard, and Mastercard are accepted. American Express cards are also accepted in several places (but not all, please check signs at the entrance).

**Electricity**—The power supply is 220V, 50 Hz. Round European style two-pin plugs are used. Appliances designed to operate on 110/120V require a voltage converter and a plug adapter.

**Restaurants**—Paris offers a large variety of restaurants and cafés. Prices for a full menu (3 courses) range from about 20 to 40 Euros. Typical lunch time is 12:30 p.m. and dinner 8:00 p.m.

**Useful links**—For the latest information about the city of Paris, please visit the following links:

Paris Convention and Visitors Bureau website: <http://en.parisinfo.com>

General info about Paris: <http://www.paris.org>, <http://www.v1.paris.fr/en/>

Pariscope magazine, what's up in Paris (in French): <http://www.pariscope.fr>

Tickets for all shows, concerts, and events in Paris: <http://www.ticketnet.fr/shop/en/accueil.asp>

[www.ticketnet.fr/shop/en/accueil.asp](http://www.ticketnet.fr/shop/en/accueil.asp)

Metro interactive map: <http://www.ratp.fr>

Find a place or itinerary in Paris: <http://www.mappy.fr>

### 34. MEETING ORGANIZING COMMITTEE

Bertrand Dubus (SFA), Michael Vorländer (EAA), William Yost (ASA), and Manell Zakharia (SFA), Cochairs; Didier Cassereau, Information System Manager; Catherine Lavandier, Secretary; Francine Luppé and Jean-Dominique Polack, Publications; Manuel Melon and Guillaume Pellerin, Webmasters; Bastian Epp, EAA Student Representative; Brian Monson, Michael Canney, ASA Student Representatives; Franck Teston, Treasurer; ASA: Elaine Moran (ASA Office Manager), Charles Schmid (ASA Executive Director); SFA: Evelyne Dewayse (SFA Secretary), Armelle Guilloux (Conference Secretary).

### 35. TECHNICAL ORGANIZING COMMITTEE

Philippe Blanc-Benon (SFA), Dick Botteldooren (EAA), William Hartmann (ASA), Pascal Laugier (SFA), Technical Program Cochairs; Architectural Acoustics: Lily Wang and Brandon Tinianov (ASA), Jens Holger Rindel (EAA); Animal Bioacoustics: Richard Fay (ASA), Michel André (EAA); Biomedical Ultrasound/Bioresponse to Vibration: Michael Bailey (ASA), Oleg Sapozhnikov (EAA); Engineering Acoustics: Daniel Warren (ASA), Gerhard Sessler (EAA); Musical Acoustics: James Beauchamp (ASA), Murray Campbell (EAA); Noise: Brigitte Schulte-Fortkamp (ASA), Pierre-Etienne Gautier (eurnoise); Physical Acoustics: Murray Korman (ASA), Walter Lauriks (EAA); Psychological and Physiological Acoustics: Elizabeth Strickland (ASA), Armin Kohlrausch (EAA); Signal Processing in Acoustics: David Chambers (ASA), Stephen Elliott (EAA); Speech Communication: Maureen Stone and Carol Espy-Wilson (ASA), Pierre Badin (EAA), Xavier Pelorson, AFCP (Association Française de Communication Parlée); Structural Acoustics and Vibration: Sean Wu (ASA), Wolfgang Kropp (EAA); Underwater Acoustics and Acoustical Oceanography: James Miller and Kevin LePage (ASA), Yann Stéphan and David Bradley (eucua).

**ECUA Committee:** David Bradley (ASA), Yann Stéphan (SFA), Cochairs; ASA Liaisons: Michael Buckingham, Kenneth Foote, Oleg Godin, William Kuperman, James Lynch, Henrik Schmidt, Eric Thorsos, Ross Chapman, James Miller, Kevin LePage; ECUA: Leif Bjørnø, Philippe Blondel, Giovanni Cannelli, Jean-Pierre Hermand, Sergio Jesus, Even Borten Lunde, Nicholas Pace, John Papadakis, Dick Simons, Andrzej Stepnowski, Manell Zakharia, EAA TC Hydroacoustics: Eugeniusz Kozaczka (TC chair), Bodo Nolte, Michael Taroudakis.

**Eurnoise Committee:** Brigitte Schulte-Fortkamp (ASA), Pierre-Étienne Gautier (SFA), Cochairs; ASA Liaisons: Bennett Brooks, Anthony Hoover, Luc Mongeau, James Nelson, Michael Stinson; Eurnoise Liaisons: Bernard Berry, Luigi Maffei, Joachim Scheuren, Jean Turret; EAA TC Noise Liaisons: Keith Attenborough, Michel Bérengier, Giovanni Brambilla, Geert Degrande, Klaus Genuit, Barbara Griefahn, Michael Griffin, Jean-Louis Guyader, Fabrice Junker, Sabine Meunier, Anna Preis.

### 36. TECHNICAL PROGRAM ORGANIZING COMMITTEE

David Adams, Jens Rindel, Architectural Acoustics; Andone Lavery, Acoustical Oceanography; Michel André, Animal Bioacoustics; Neil Owen, Emmanuel Bossy, Biomedical Ultrasound/Bioresponse to Vibration; Martin Ochmann, Computational Acoustics; Daniel Warren, Engineering Acoustics; Antoine Chaigne, Murray Campbell, Musical Acoustics; Brigitte Schulte-Fortkamp, Keith Attenborough, Pierre Etienne Gautier, Noise; Peter Rogers, Walter Lauriks, Physical Acoustics; Alain de Cheveigne, Armin Kohlrausch, Psychological and Physiological Acoustics; Jean-Pierre Hermand, Steven Elliott, Signal Processing in Acoustics; Paul Iverson, Pierre Badin, Speech Communication; Yves Berthelot, Wolfgang Kropp, Structural Acoustics and Vibration; David Bradley, Kevin LePage, Yann Stéphan, Underwater Acoustics.

### 37. PHOTOGRAPHING AND RECORDING

Photographing and recording during regular sessions are not permitted without prior permission from the Acoustics'08 Paris Organizing Committee.

### 38. NOTE TO SMOKERS

Smoking is prohibited indoors.

### 39. ABSTRACT ERRATA

This meeting program is Part 2 of the May 2008 issue of *The Journal of the Acoustical Society of America*. Corrections, for printer's errors only, may be submitted for publication in the Errata section of the Journal.

### 40. GUIDELINES FOR ORAL PRESENTATIONS

#### A. Preparation of Visual Aids

1. Allow at least one minute of your talk for each slide or other visual aid, e.g., no more than 12 slides for a 15-minute talk.
2. Minimize the number of lines of text and the number of curves shown on one visual aid. More than 12 lines of text or 5 curves are too many to be comprehended within one minute. Too little is better than too much.
3. Make symbols no less than 1/3 the height of a capital letter. Break away any line that would otherwise pass through a character or symbol.
4. Black lines on clear background or white lines on black background are more legible than colored lines. Use color only if required to distinguish different curves or elements.

#### B. Presentation

1. Organize your talk with introduction, body, and summary or conclusion. Include only facts or concepts that can be explained adequately in the allotted time. Rehearse talk so you can confidently deliver it in that time.
2. An audible signal will be broadcast to note the start and end of your paper. Session Chairs have been instructed to adhere to the time schedule and to stop your presentation if you run over.
3. An A/V preview room will be available for viewing computer presentations, transparencies, or videotapes before your session starts.

4. Arrive early enough so that you can meet the session chair, load your computer presentation onto the computer provided, and familiarize yourself with the microphone, laser pointer, and other equipment.
5. Every time you display a graphic the audience needs time to interpret it. Although you are familiar with the data, the audience may not be. Describe the abscissa, ordinate, units, and the legend for each curve. If the shape of a curve or some other feature is important, tell the audience what they should observe in order to grasp the point. They won't have time to figure it out for themselves.

#### C. References

1. Hubbard, H.H. "Guidelines for the planning and preparation of illustrated technical talks," *J. Acoust. Soc. Am.* 60, 995–998 (1976).
2. Young, R.W. "On presenting a technical paper," *J. Acoust. Soc. Am.* 61, 1086–1087 (1977).

### 41. SUGGESTIONS FOR EFFECTIVE POSTER PRESENTATIONS

A board approximately 37 in. (width) × 63 in. (height) (0.94×1.6 m) in portrait layout will be provided for the display of each poster paper. Supplies will be available for attaching the poster material to the display boards. Each board will be marked with the board location number. Note that the board location number may not correspond with the abstract number. Authors should furnish, as part of their poster presentation, a sign giving the abstract number, paper title and author(s) name, in lettering approximately 1-1/2 inch (3.8 cm) high. Free-hand lettering with a felt pen is entirely adequate.

A poster paper should be able to "stand alone," that is, be understandable even if the author is not present to explain, discuss, and answer questions. This is highly desirable because the author may not be present for the entire time the poster papers are on display, and when the author is engaged in discussion with one person, others may want to study the display without interrupting an ongoing dialogue. To meet the "stand alone" criteria, it is suggested that authors consider the following elements for a poster. Each element can be arranged on one or more standard letter-size sheets. Where typing is needed, large font type is very effective. Careful hand lettering, at least 1/4 in. (0.6 cm) high, is also acceptable. Obviously, it may not be appropriate for any given paper to include all of the "elements" listed below. These are merely suggestions:

1. Objective, purpose, goal, etc.
2. Background information. Prior work.
3. Assumptions, etc.
4. Experimental arrangements, block diagram, sketch, photos, parameters.
5. Outline of the theoretical development.
6. Data, graphs, tables, etc.

Graphs and photographs should be a minimum of 8x10 inches (20×25 cm). Figure captions are essential. Avoid glossy paper. Display objects, such as transducer elements or materials, demonstration tapes, etc., are excellent supplements to a poster. Since the poster paper is not archival, feel free to bring incompletely reduced data for discussion.

#### **42. DATES OF FUTURE MEETINGS**

For further information on any ASA meeting, or to obtain instructions for the preparation and submission of meeting abstracts, contact the Acoustical Society of America, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Telephone: 516-576-2360; Fax: 516-576-2377; E-mail: [asa@aip.org](mailto:asa@aip.org) ; Web: <http://asa.aip.org>

156th Meeting, Miami, Florida, 10-14 November 2008

157th Meeting, Portland, Oregon, 18-22 May 2009

For further information on any EAA meeting, please refer to EAA website at [www.eaa-fenestra.org/Events](http://www.eaa-fenestra.org/Events)

6th Forum Acusticum, Aalborg, Denmark, 2011