

ASA Announcements

Acoustics Today regularly publishes announcements of ongoing and future activities that may be of interest to the acoustics community. Anyone having an announcement they would like to have considered for inclusion should send the relevant information via e-mail to the Editor (apopper@umd.edu), with a copy to the ASA Publications Office (maryguillemette@acousticstoday.org). The Editor and the Publications staff will routinely rewrite or rephrase whatever is sent to make it compatible with the format of **Acoustics Today**.

Acoustical Society Foundation

The mission of the Acoustical Society Foundation (ASF) is to support the mission of the ASA by developing financial resources for strategic initiatives and special purposes.

Many years ago, a number of dedicated and forward-looking ASA members established the Foundation in order to grow an endowment to support and enhance the goals of the Society. Starting from this base, ASA is now expanding its efforts in seeking philanthropic support to help the Society move forward to meet future challenges. Details concerning the Acoustical Society Foundation Fund can be found on the website:

www.acousticalociety.org/membership/as_foundation_fund

Funds from the Foundation serve as the basis on which the Society grants deserving student stipends, awards service acknowledgements and prizes, and develops new outreach initiatives as directed by the Executive Council. With new momentum, the Foundation plans to expand these activities and help the Society focus on the growth of our profession. Tax-deductible opportunities abound, from the check-off donations on ASA dues renewals, major donations, bequests, and life-time giving to the Pooled Income Fund.

The ASF Fund's activities are directed by the Acoustical Society Foundation Board, chaired by Carl J. Rosenberg. The Board plans to present its goals and aspirations to the ASA membership in future issues of ASA publications. Anyone having ideas or questions they would like to share should send an e-mail to the Board's Chair, using the e-mail address asa@aip.org.

Acoustics Today Updates

Starting with 2014, we will include "Letters to the Editor" as a feature in each issue. Letters can be on any topic related to acoustics, and may be comments on material in recent issues. See the Letters Section for more information.

We are seeking articles for *Acoustics Today*. If you have an idea for an article that you would like to write, or the suggestion for an article, please contact the editor. Please do not, however, submit articles without discussions with the editor. Articles can be on any topic within the range of areas covered by ASA. Articles should generally be reviews, with perhaps a bit of emphasis on material that covers "hot areas" in acoustics. Articles should be written so that they are of interest to, and understandable by, all members of ASA.

We welcome ideas for special issues of *Acoustics Today*. Special issues would include three or four articles on the same general theme and be done with a guest editor who would be responsible for design of the overall theme and the individual papers. If you have an idea for a special topic, and/or would like to be a guest editor on a topic, please contact the editor.

Acoustics Today Interns

Acoustics Today announces the start of *Acoustics Today* Interns (ATI), an opportunity for graduate students and early career acousticians (individuals within three years of their terminal degrees) who are members of ASA to serve the Society in a unique and different way, and, at the same time, gain experience in publication of a major science magazine. Intern appointments will be for one year (generally starting June 1) and will be expected to devote 10-20 hours/month to their internship responsibilities.

Interns will work directly with an individual mentor in ASA on a specific project directly related to the magazine. Mentors might be the *Acoustics Today* editor, publications manager, IT manager, etc. The specific role of each ATI will depend on her/his interests and experience and the needs of the magazine. The expectation is that the interns will enhance the value of the magazine by taking on specific tasks. For example, an intern may be assigned the gathering and writing of short news articles that will appear on the forthcoming *Acoustics Today* web site and/or in the magazine, helping *Acoustics Today*

develop a presence in social media, etc. Interns will be selected competitively by the *Acoustics Today* Advisory Committee at the May meeting of ASA. Selected individuals will receive a small honorarium at the end of their internship as well as free registration at ASA meetings (if they attend) while they are interns. Interns will also be listed on the magazine masthead during their internship and will be invited to participate in

meetings of the Advisory Committee. Individuals interested in becoming *Acoustics Today* Interns should contact the magazine editor for an application packet (apopper@umd.edu). For best consideration, applications should be submitted no later than May 1, 2014 for the first “class” of interns. Up to three interns will be selected.

Book Review *Continued from page 49*

Still, in order to keep the text accessible for a graduate student audience, the author does well not to assume the reader is an expert in any one of these fields and includes enough background for the text to stand on its own.

Chapter 1 presents an overview of all the basic equations and notational to set the stage for the rest of the text. This allows the reader to quickly become comfortable with the notation which is complicated because of the broad nature of the content. The four page nomenclature section at the end of Chapter 1 is nicely formatted, but I would have preferred that it was printed on the inside of the front/back cover to make it easier to access.

The remainder of the text is arranged into three main sections. Section one (chapters 2–6) lays the framework for the following sections by examining acoustic, vortical, and entropy disturbances in turn assuming the reader has had only an introductory course in fluid mechanics. Section two (chapters 7–9) deals with flame-flow interactions assuming the reader has only an undergraduate exposure to combustion. The discussion deals with ignition and internal flame processes such as burning rates and extinction. The discussions on flow disturbances are tied into their impact on flame dynamics.

Finally, section three (chapters 10–12) looks at transient and time-harmonic phenomena such as flashback and methods for stabilization. The final two chapters deal with forced response both from the perspective of the flame dynamics and the heat release. These are the most applied chapters in the text and offer many suggestions and topics for further exploration. The layout of the book has some nice features. Each chapter has its own references section and, with the exception of Chapter 10, a set of exercises. The exercises are primarily analytical in nature (derivations, proofs, etc.), which is appropriate for the target audience. There are “aside” sections within

the text that offer focused discussions of related topics that either clarify or expand on topics in the main text. For example, the section on “general results for temporal instability” in Chapter 3 includes an aside on “vortex mutual induction.” This gives the reader a glimpse into topics that are beyond the scope of the text but are central to a full understanding of combustion dynamics.

As with any text written concurrent to active research, some concession must be made on topics of contention. For example, in Chapter 2, the basic discussion of flow perturbations is couched in terms of a triple decomposition such that a flow quantity is separated into a base value, an ensemble mean quantity exhibiting the coherent structures, and a time varying component identified with turbulent fluctuations.

The author comments that the time average, or base value, is representative of the laminar flow that would exist if the same boundary conditions were imposed in the absence of turbulence. This is a debatable position because it is simple to prove that turbulence itself modifies the mean flow in an inseparable manner, so it is not correct to assume that the base flow can be equated to a laminar flow. For this reason, the triple decomposition is difficult to justify and even more difficult to demonstrate in practice. But, in the absence of some other better formulation, the author adopts this common approach. The result of the author’s approach is a text that is very accessible and can also act as a valuable reference for the seasoned researcher. Because of the assumed knowledge base of the target audience, the text can act as an introduction to combustion for those coming strictly from a physical acoustics or fluid mechanics background. The inclusion of numerous references provides an excellent starting point for a more focused study. And finally, the avoidance of electronic means of enhancing the text ensure that longevity of this work as an excellent resource.

POSITION ANNOUNCEMENT

EDITOR-IN-CHIEF

Acoustical Society of America

The ASA seeks candidates for the position of Editor-in-Chief (EIC) to fill the vacancy that will open upon the retirement of the current EIC, Allan D. Pierce.

This is a great opportunity for an outstanding individual with a serious professional interest in acoustics to direct and influence the activities of the ASA flagship publication, *The Journal of the Acoustical Society of America* (JASA), and others including *JASA-Express Letters* (JASA-EL), *Proceedings of Meetings on Acoustics* (POMA), *Acoustics Today*, *Echoes*, and the book publishing activities of the Society.

Since 1929, *The Journal of the Acoustical Society of America* (JASA) has been the leading source of theoretical and experimental research results in the broad interdisciplinary study of sound. Subject coverage includes: linear and nonlinear acoustics; aeroacoustics; underwater sound and acoustical oceanography; ultrasonics and quantum acoustics; architectural acoustics; musical acoustics; noise; structural acoustics and vibration; speech communication; psychology and physiology of hearing; signal processing; engineering acoustics; transduction; biomedical acoustics; and animal bioacoustics.

DUTIES

The responsibilities of the ASA EIC include:

- Oversees the ASA Publications Manager and editorial office staff
- Maintain publication policies for JASA, JASA-EL and POMA
- Manage Editors and Associate Editors
- Chair ASA Editorial Board meetings
- Serve as the key liaison between the ASA and the publisher
- Report to the ASA Executive Council on the publishing activities of the Society
- Configure the ASA online Editorial System and maintain the Reviewer Database
- Stimulate the growth of ASA publications

The routine activities of the Editor-in-Chief of a prestigious and archival scientific society journal include extensive correspondence with ASA office staff, authors, reviewers, Editors, Associate Editors, and ASA committee chairs. The EIC solicits review papers to be submitted to JASA and recruits new ASA members by screening each JASA author.

QUALIFICATIONS

The successful candidate must be a member of the ASA. Other desired attributes include having published as a JASA author, and preferably having served as a JASA Associate Editor, or having equivalent experience in other publications. The candidate must demonstrate excellent written and verbal communication and proven managerial skills. Mediation expertise or experience with conflict resolution is preferred. An international perspective and diplomatic communication style is beneficial.

The candidate should have a working knowledge of the challenges of open access, be able to articulate a strategy to embrace the changing world of publishing and different publishing formats, and be comfortable with emerging publication technologies, including software and search engine tools.

The successful candidate will be a thought leader, having demonstrated inspirational leadership in an academic or industrial sector. This person will have a broad awareness of the need to balance the widely ranging acoustics disciplines and ASA technical committees, and will express a clear vision for the future of ASA publications. This person will be a highly responsible individual who is able to protect the integrity of ASA publications and particularly, JASA.

The ASA Editor-in-Chief post is a 40 percent FTE position. Occasional travel is required. Compensation is competitive.

HOW TO APPLY

Candidates are invited to respond with a letter of intent and C.V. by 1 April 2014 to:

EiC Search Committee

Attn: Helen Wall Murray

ASA Publications Office, P.O. Box 274, West Barnstable, MA 02668

Email: helenwallmurray@comcast.net

