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Acoustical Society of America

Melville, NY 11747



Joseph Curtin (Photo courtesy of the MacArthur Foundation)



Emily Thompson (Photo courtesy of the MacArthur Foundation)

MacArthur Foundation announces 2005 MacArthur Fellows

Joseph Curtin, a violinmaker from Ann Arbor, Michigan and Emily Thompson, author of the book *Soundscape of Modernity* from San Diego, California, were among the 25 individuals named 2005 MacArthur Fellows.

The MacArthur Fellows Program awards unrestricted fellowships to talented individuals who have shown extraordinary originality and dedication in their creative pursuits and a marked capacity for self-direction. There are three criteria for selection of Fellows: exceptional creativity, promise for important future advances based on significant accomplishment, and potential for the fellowship to facilitate subsequent creative work. Each fellowship includes a stipend of \$500,000 to the recipient. Typically 20 to 30 Fellows are selected each year. There are no restrictions on becoming a Fellow, except that nominees must be either residents or citizens of the United States.

Joseph Curtin is a master violinmaker who crafts original, world-class violins for the twenty-first century. A *luthier* with research interests in non-traditional materials, nontraditional structures, and violin acoustics, Curtin wed acoustic science to the art of violinmaking and merges time-honored techniques with new materials and design. Having first excelled in the tra-

ditional practice of creating replicas of the great Italian instruments of Stradivari and Guarneri, Curtin is now confronting the dilemma of the evolution of the violin, creating entirely new instruments that incorporate contemporary materials and aesthetics.

Joseph Curtin studied violin at the University of Western Ontario (1971–73), and music and philosophy (1974–77) at the University of Toronto. He came under the tutelage of violinmaker, Otto Erdesz, in 1977. In 1985, he established a workshop with Gregg Alf, with whom he built instruments for twelve years under the name Curtin & Alf. He founded his independent workshop, Joseph Curtin Studios, in 1997. He also co-directs the Violin Society of America's acoustic workshop at Oberlin College, is a trustee and contributing editor for the *Catgut Acoustical Society*, and is a regular contributor to *The Strad* magazine.

Joseph Curtin has participated in ASA meetings including the Spring 1994 meeting held in Cambridge, Massachusetts where Curtin & Alf instruments were demonstrated during the concert by the Tokyo String Quartet. He also presented an invited paper at the Spring 2005 meeting held in Vancouver, Canada and was a participant in the musical instrument builders workshop held at that same meeting (See *Acoustics Today* 1, 40 [October 2005]).

Emily Thompson is an interdis-

plinary scholar, whose work focuses on the subject of sound and fills an important gap in contemporary American history, reaching into domains as diverse as urban design and cinema studies. In her book, *The Soundscape of Modernity*, she integrates the histories of the United States, technology, science, sound production, and acoustics to examine the transformation of the American soundscape from the turn of the century to the opening of Radio City Music Hall in 1933. Thompson organizes her work around developments in twentieth-century architecture, such as new concert halls and new building materials, and explores innovations in the science of acoustics, the emergence of excessive noise, and the efforts of scientists and designers to create new spaces and a new, "modern" sound. Thompson's most recent project, on the role of engineers, projectionists, and other industry technicians in the transition to synchronized sound in cinema, promises to provide a similarly penetrating analysis of another important moment in the history of sound and technology. By charting the transformation of the elusive and ephemeral phenomenon of sound, Thompson has recovered an important history of our time.

Emily Thompson received a B.S. (1984) from the Rochester Institute of Technology and a Ph.D. (1992) from

Princeton University. She has held teaching positions at Rensselaer Polytechnic Institute (1992–93), Iowa State University (1994–95), and the University of Pennsylvania (1995–2002). Thompson was also a visiting scholar (2003–04) in the Program in Science, Technology and Society and a senior fellow (2002–03) at the Dibner Institute for History of Science and Technology, both at the Massachusetts Institute of Technology. She became an associate professor in the Department of History at the University of California, San Diego, in 2005.

Emily Thompson was awarded the ASA's 2002 Science Writing Award in Acoustics for Journalists for her book *The Soundscape of Modernity: Architectural Acoustics and the Culture of Listening in America, 1900–1933*.

American Speech Language Hearing Association 2005 Awards and Fellowships

Members of the Acoustical Society of America were the recipients of Awards and Fellowships of the American Speech Language Hearing Association (ASHA) in 2005.

Christy Ludlow, National Institutes of Health, Laryngeal & Speech Section, Bethesda, MD, was awarded The Honors of the Association which recognizes distinguished contribution to the field of speech, language, and hearing and is the highest honor the Association can give. Recipients are individuals who are well known throughout the nation and the world for a lifetime of innovative clinical practice, insightful and rigorous research, creative administration, effective legislative activity, outstanding teaching, or other distinguished professional contribution.

Robert F. Burkard, University at Buffalo, Robert C. Fifer, University of Miami-Mailman Center for Child Development, John P. Preece, University of Rhode Island, and Jerry L. Punch, Michigan State University, were elected Fellows of ASHA. The status of Fellow is one of the highest honors ASHA can bestow. It recognizes professional or scientific achievement and is given to an ASHA member who has shown outstanding contribution to the professions.

Michael L. Chial, University of Wisconsin, Madison, Dept. of Communicative Disorders, received the Certificate of Recognition for Special Contributions in Higher Education that recognizes distinguished achievement and/or contributions (within the last five years) in one or more of the following areas: university and college classroom teaching; clinical teaching; student mentoring, or development of new and innovative educational techniques and technologies in the fields of audiology, speech-language pathology, or speech, language and hearing science.

Benjamin Munson, University of Minnesota, Dept. of Speech, Language, Hearing Sciences, was the recipient of an ASHA The Early Career Contributions in Research Award which recognizes scientific accomplishments by individuals in the early stages of their careers.



Frederic L. Lizzi

American Institute of Ultrasound in Medicine honors the late Frederic L. Lizzi

The Memorial Hall of Fame of the American Institute of Ultrasound in Medicine (AIUM) that was established in 1981, serves as a posthumous tribute to a creative and devoted physician, research scientist, or other individual who has been an active member of the AIUM and contributed to the field of ultrasound in medicine. A plaque honoring each member of the Hall of Fame is displayed in a designated place in the Executive Office of the AIUM, and another is presented to the family of the honoree during the annual meeting.

Frederic Lizzi was a fellow of the AIUM and was very active in that

organization. He served on the Board of Governors of the AIUM from 1985–1988 and received the William J. Fry Memorial Award in 1986, the Presidential Recognition Award in 1988 and 1996, the Pioneer Award in 1988, and the Joseph H. Holmes Pioneer Award in 1994.

Frederic L. Lizzi was a Fellow of the Acoustical Society of America. He joined the Riverside Research Institute in 1967 and was Research Director in the Biomedical Engineering Laboratories at the time of his death in January 2005. His obituary appears in the *Journal of the Acoustical Society of America* 118, 580 (2005).



Joshua Roper

Charles M. Salter Associates, Inc. announces promotion of ASA member

Charles M. Salter Associates, Inc. (CSA) announced the promotion of ASA member Joshua Roper to Principal Consultant. Mr. Roper, based in CSA's San Jose office, consults in the areas of environmental acoustics, single and multi-family housing, mixed-use projects, libraries, offices and schools. Mr. Roper is an affiliate of the American Institute of Architects and a member of the Institute of Noise Control Engineering. He received a Bachelor of Science degree in Mechanical Engineering from San Jose State University.

Patricia Davies named Vice President of Technical Activities for INCE/USA

The INCE/USA Board of Directors named Patricia Davies as Vice President of Technical Activities for

INCE/USA. Dr. Davies is Professor at the Ray W. Herrick Laboratories, Department of Mechanical Engineering, Purdue University, West Lafayette, IN. She served as Technical Program Co-chair for the joint 150th meeting of the Acoustical Society of America and NOISE-CON 2005 held in Minneapolis, MN, in October 2005.

National Council of Acoustical Consultants names three new Honorary Members

The National Council of Acoustical Consultants (NCAC) presented "Honorary Membership" citations to three of its members—M. David Egan, Professor Emeritus at Clemson University; Minoru Nagata, executive advisor of Nagata Acoustics, Inc.; and George Paul Wilson of Wilson, Ihrig & Associates. All three are Fellows of the Acoustical Society of America.

Shen Milsom & Wilke Wins Top Honor for Crown Fountain Design

Shen Milsom & Wilke's work at Chicago's Crown Fountain won "Best Overall" in the third-annual ARCHITECT AV Awards 2005, sponsored jointly by the International Communications Industries Association and ARCHITECT Magazine. The competition honors the "creative and effective" integration of technology into design projects. A six-person panel chose the winner from more than 50 international entrants representing commercial, institutional and governmental building design.

Crown Fountain features two 50-foot-tall, water-spurting glass-block towers at each end of a shallow reflecting pool. Behind the glass block, 24-by-49-foot LED video walls display changing digital images of Chicagoans. Located in the new Millennium Park near the Chicago lakefront, this attention-grab-

bing fountain mixes video technology and water in a new way: water was never funneled through a video wall before.

Working with Kreuck & Sexton Architects, Shen Milsom & Wilke designed the two video walls in the facing towers and a remotely operated show control system that synchronizes the images, water flow, and lighting color and intensity. All of these follow a carefully orchestrated script according to time of day, week, or month. The 1,000 video images, filmed by the Art Institute of Chicago, are placed so that a "gargoyle" in each tower, made from eight 1-inch tubes that are injected through the LED structure and the glass brick, is aligned with the mouth of the person in the display. At the end of each person's stint on screen, they purse their lips and the water sprays through the gargoyle. The image then disappears, water cascades down all the sides of the towers, and a new image appears.

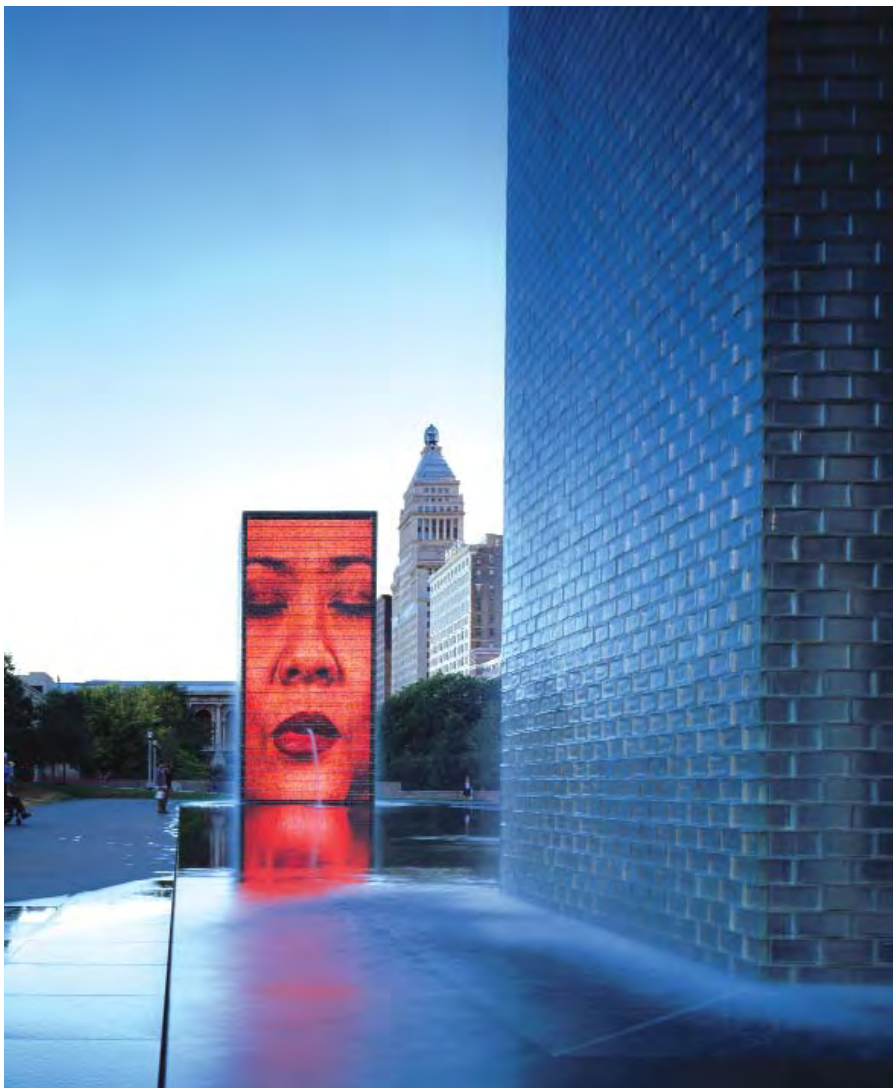
A technology room, located underground, directly beneath the fountain, includes high-definition video servers that run the show above, synchronizing images, water flow, and lighting color and intensity. The show is fully automated. The quarter-inch deep pool of water between the towers reflects and amplifies the images.

Shen Milsom & Wilke [www.smwinc.com], an international technology consulting practice founded in 1986, offers comprehensive services in the areas of multimedia, telecommunications, building security, and acoustics.

The firm has a staff of more than 140 professionals, several of whom are members of the Acoustical Society of America, and offices in New York, Princeton, Washington, D.C., Chicago, Houston, Denver, San Francisco, Las Vegas, Dubai, Hong Kong, and London.

Engineers Week 2006

Engineers Week, a consortium of more than 100 professional and technical societies and major U.S. corporations, is slated for February 19–25, 2006. The program aims to ensure a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers among young students and by promoting pre-college literacy in math and science.



Crown Fountain (Photo: Steve Hall © Hedrich Blessing, Courtesy Shen Milsom and Wilke)

Now in its 56th year, Engineers Week also raises public understanding and appreciation of engineers' contributions to society.

The Engineers Week 2006 co-chairs are the Society of Women Engineers and Northrop Grumman Corporation.

Information on Engineers Week programs and activities can be found at www.eweek.org

National Council of Acoustical Consultants names new Executive Director

The National Council of Acoustical Consultants (NCAC) has named Jackie Williams, its new Executive Director. The new contact information for NCAC is 7150 Winton Drive, Suite 300, Indianapolis, IN 46268, Tel: 317-328-0642; Fax: 317-328-4629; e-mail: info@ncac.com; Web: www.ncac.com.

The National Council of Acoustical Consultants (NCAC), founded in 1962, is an international organization

committed to supporting the acoustical profession through: recognizing expert acoustical consultants and engineers, promoting opportunities for peer interaction providing a reference tool for the public to learn more about the profession and to find a consultant matched to their needs.

Interesting websites

Links to History of Musical Instruments
plato.acadiau.ca/courses/musi/callon/2273/instr.htm

Recording Technology History
history.acusd.edu/gen/recording/notes.html

Sightseekers Guide to Engineering
www.engineeringsights.org/

Yale University Collection of Musical Instruments
www.yale.edu/musicalinstruments/index.html **AT**

USA Meetings Calendar

2006

30 Jan–2 Feb IMAC-XXIV Conference and Exposition on Structural Dynamics, St. Louis, MO [Society for Experimental Mechanics, 7 School St., Bethel, CT 06801, Tel: 203-790-6373; Fax: 203-790-4472; Email: sem@sem1.com; Web: www.sem.org].

9-12 Feb 46th Annual Convention, Illinois Speech-Language-Hearing Association, Rosemont, IL [ISHA, 230 E. Ohio St., Suite 400, Chicago, IL 60611-3265; Tel.: 312-644-0828; Fax: 315-644-8557; Web: www.ishail.org].

16-18 Feb 31st Annual Conference, National Hearing Conservation Association, Tampa, FL [NHCA, 7995 E. Prentice Ave., Suite 100 East, Greenwood Village, CO 80111-2710; Tel: 303-224-9022; Fax: 303-770-1614; Email: nhca@gwami.com; Web: www.hearingconservation.org].

8–10 May 12th AIAA/CEAS Aeroacoustics Conference, Cambridge, MA [Web: www.aiaa.org/index.cfm]

6-9 June 151st Meeting of the Acoustical Society of America, Providence, RI [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; Email: asa@aip.org; Web: asa.aip.org].

17–21 Sept INTERSPEECH 2006 (ICSLP 2006), Pittsburgh, PA [Web: www.interspeech2006.org/].

28 Nov–2 Dec 152nd Meeting of the Acoustical Society of America joint with the Acoustical Society of Japan, Honolulu, HI [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; Email: asa@aip.org; Web: asa.aip.org].

3–6 December INTER-NOISE 2006, The 2006 International Congress and Exposition on Noise Control Engineering, Honolulu, HI [Institute of Noise Control Engineering, INCE/USA Business Office, Iowa State University, 212 Marston, Ames, IA 50011-2153; Tel.: 515 294 6142; Fax: 1 515 294 3528; E-mail: IBO@inceusa.org; Web: www.inceusa.org].

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4–8 June 153rd Meeting of the Acoustical Society of America, Salt Lake City, UT [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; Email: asa@aip.org; Web: asa.aip.org].

28 Nov–2 Dec 154th Meeting of the Acoustical Society of America, New Orleans, LA [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; Email: asa@aip.org; Web: asa.aip.org].

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29 Jun–4 Jul 2nd Joint Meeting of the Acoustical Society of America and the European Acoustics Association with the French Acoustical Society, Paris, France [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; Email: asa@aip.org; Web: asa.aip.org].

28 Jul–1 Aug 9th International Congress on Noise as a Public Health Problem (Quintennial meeting of IC BEN, the International Commission on Biological Effects of Noise). Foxwoods Resort, Mashantucket, CT [Jerry V. Tobias, IC BEN 9, Post Office Box 1609, Groton CT 06340-1609, Tel. 860-572-0680; Web: www.ifado.de/ICBEN. Email: icben2008@att.net].