

ROBERT BRADFORD NEWMAN

S T U D E N T A W A R D F U N D

2017 - 2018 AT A GLANCE

The first Robert Bradford Newman Student Medals were awarded in 1986. In the years since, Newman Medals have been awarded to 333 students at more than 60 schools of architecture, engineering, music and music technology.

Five student teams received Wenger Prizes in 2018 for their meritorious design work juried and displayed at the ASA Student Design Competition (SDC) held at the 175th meeting of the Acoustical Society in Minneapolis, MN.

The Advisory Committee extends its appreciation to students, teachers, consultants, professional supporters and friends of the Fund whose extraordinary voluntary efforts make the work of the Fund possible and thoroughly enjoyable. Corporate sponsors with interest in the realm of architectural acoustics have been especially supportive recently. We would also like to make special note of our appreciation to the staff at the Acoustical Society offices in Melville, NY who help the Fund's operation run so seamlessly.

Bob Celmer, Michelle Vigeant, & Ian Hoffman

Co-Chairs of the Newman Fund Advisory Committee

THANK YOU, LILY! WELCOME, IAN!

The trio of Newman Fund co-chairs shifts once again as of the Minneapolis ASA meeting. Bob Celmer, Michelle Vigeant, and Ian Hoffman are our current committee co-chairs for 2018-2019.

We wish to extend our gratitude to Lily Wang (our ASA President-elect) for her many hours of work as co-chair over the years, and welcome Ian into his new position within the committee (learn more about Ian in the SPOTLIGHT article on page 2).



Lily Wang

2017/2018 NEWMAN MEDALS

In the 2017/2018 academic year, 10 students were awarded Newman Medals.

Collin G. Abdallah

Faculty Advisor: Daniel Butko
University of Oklahoma

"Exploring acoustical options for a multi-use space on campus through digital and physical testing"

Elena Badino

Faculty Advisor: Arianna Astolfi, Louena Shtrepi

Politecnico de Torino

"Acoustic performance-based design: Exploration of the effects of different geometries and acoustical properties of an urban facade on the mitigation of chatting noise in a street canyon"

Laura C. Brill

Faculty Advisor: Lily Wang, Erica Ryherd
University of Nebraska - Lincoln

"Exploring the correlation between occupied and unoccupied noise levels in K-12 classrooms"

Martin S. Lawless

Faculty Advisor: Michelle Vigeant
Pennsylvania State University

"Assessing the auditory and reward responses to room acoustics and music using functional magnetic resonance imaging"

Paul S. Mangelsdorf

Faculty Advisor: Bob Celmer
University of Hartford

"Acoustic absorption study of an architectural facade for Acoustic Distinctions Inc."

Jacob J. Ott

Faculty Advisor: Bob Celmer
University of Hartford

"Acoustic absorption study of an architectural facade for Acoustic Distinctions Inc."

Randall Rehfuess

Faculty Advisor: Michael Ermann
Virginia Tech. School of Architecture + Design

"The study and creation of hard sound absorbent novel building materials"

Aleksandra Rozynova

Faculty Advisor: Ning Xiang
Rensselaer Polytechnic Institute

"Improved theory of acoustic elementary edge waves of finite, rectangular plates for room-acoustic simulations"

Carl Ruegger

Faculty Advisor: Stephen Dance
London South Bank University

"The production of transparent absorbers using the principle of micro-perforation"

Jamie Spary

Faculty Advisor: Stephen Dance
London South Bank University

"Acoustic absorption at discrete angles using a PU Sensor"



University of Hartford Newman Medalists Paul Mangelsdorf (left) and Jacob Ott (right) with faculty members Eoin King and Bob Celmer

THANK YOU SPONSORS!

We want to extend a huge THANK YOU to everyone who helps sponsor the Newman Fund. In addition to individual contributions, we have received corporate sponsorship from the following organizations thus far in 2018:

- Wenger Foundation
- Acentech, Inc.
- Rockfon
- NCAC
- Phoenix Noise & Vibration
- Threshold Acoustics, LLC
- RML Acoustics, LLC
- Pliteq
- Cavanaugh Tocci Associates
- Borzym Acoustics
- Jaffe Holden Acoustics
- Oxford Acoustics
- Paoletti Consulting
- R.C. Coffeen Consultant in Acoustics, LLC
- Metropolitan Acoustics, LLC
- Acoustical Design Collaborative
- JEAoustics
- Pelton Associates

With the aid of individual and corporate sponsorship, we're able to continue providing award packages to deserving students and scholars. It's not too late to donate! We accept donations year round at our mailing address (see next page) and online at our website.

SPOTLIGHT: FUND ADVISOR IAN HOFFMAN



Ian Bryan Hoffman is an acoustician, architect, and educator. He has spent his career committed to examining and understanding the curious interactions of sound and space, specifically as they affect the human experience. Educated in classical piano, engineering, and architecture, Ian explores the complex sensitivities of architectural and acoustic design, bridging the technical and creative, calculated and perceived, aural and tectonic.

In professional practice, Ian's career spans both acoustic design and architecture. He was a key member of acoustic design consulting firms in New York and Chicago and an integrated architectural design practice in Cleveland. He has been principally engaged in the design and renovation of performance and cultural arts spaces of varying scales and programs on five continents. Notable examples include the Jay Pritzker Music Pavilion at Millennium Park Chicago, Chicago Shakespeare Theater, the Esplanade Concert Hall in Singapore, and the Kohl Jazz Studies Building at the Oberlin Conservatory. While his focus is primarily in performing arts design, his design experience also includes libraries, museums, worship spaces, educational buildings, and lecture halls.

As an educator, Ian has served as a professor of both architecture and of acoustics. For eight years, Ian served as an associate professor in the department of architecture at Judson University in Illinois, where he also served as department chair. Presently, Ian serves as a professor of acoustics at the Peabody Institute of Johns Hopkins University in Baltimore, where he shepherds an intentionally small program in acoustics, situated within a premiere conservatory of music.

As a professor, Ian enjoys teaching, inspiring and mentoring students in acoustics, more than anything else. His design and research interests include innovations in performing arts design for music and spoken-word theater, the role of acoustic design in sustainable buildings, urban noise and soundscapes, connections between the perception and measurement of sound, and intersections between architectural and acoustic design practice. Ian serves as a frequent guest lecturer and design critic at various institutions, including Virginia Tech, the Architecture Institute in Prague, and University College Dublin. While primarily an educator, Ian maintains professional practice in acoustics and architecture through associations with Threshold Acoustics and Intersect Studio.

For 20 years, Ian has been variously engaged with the ASA, including ongoing involve-

ment with the Technical Committee on Architectural Acoustics, co-editor of Halls for Music Performance: Another Two Decades of Experience, 1982-2002, serving as Technical Program Organizer for the TCAA for the past six meetings, and now sharing in service as co-chair of the Newman Fund.

Ian resides outside of Baltimore, Maryland with his wife, Linnie, and two daughters.

2018 STUDENT DESIGN COMPETITION RESULTS

The 2018 international Student Design Competition for the Robert Bradford Newman Fund was held at the 175th meeting of the ASA in Minneapolis, MN.

The competition challenged participants to design a municipal building to house a court room, community hall, and other support spaces. The program listed interior acoustics and internal/external noise control as areas of emphasis.

Each year entries are of an increasingly high quality and we would like to recognize the effort and thoroughness of the entries.

We would especially like to thank Dave Woolsworth and Andy Miller for all of their efforts with the design brief and coordination of the competition this year, as they have done for many years. All of the participants are congratulated on a job well done.

FIRST HONORS

(\$1250 Wenger Prize)

Ruoxi Jia, Weihsuan Wang, Jingqui Zhang
Yale Schools of Architecture & Drama
New Haven, Connecticut, USA

COMMENDATIONS

(Four \$700 Wenger Prizes)

Iydia Winnige, Clara Havstrom, Anand Kelkar
Chalmers Institute of Technology
Göteborg, Sweden

Jonathan Kawasaki, Chris Landschoot, Jacob Laird
Rensselaer Polytechnic Institute
Troy, New York, USA

Jonas Carlsson, Lina Zachrisson, Lucas Heidemann
Chalmers Institute of Technology
Göteborg, Sweden

Hasan Busri, Deni Nur Fauzi, Nafiah Salsabila
Sepuluh Nopember Institute of Technology
Surabaya, Indonesia



*University of Kansas 2016-17 Newman Medalist
Logan Pippett with faculty advisor Bob Coffeen*

ROBERT BRADFORD NEWMAN STUDENT AWARD FUND

FOUNDER

Mary Shaw Newman (1928 - 2016)

ADVISORY COMMITTEE:

William Cavanaugh, Co-chair Emeritus
Robert Celmer, Co-chair
Michelle Vigeant*, Co-chair
Ian Hoffman, Co-chair
Elizabeth Lamour Croteau*, Newsletter Editor (elamour@cavtoci.com)

Christopher Blair	Robin Glosemeyer
	Petrone
David T. Bradley*	K. Anthony Hoover
Daniel Butko*	Norman Philipp*
Andy Carballeira*	Carl Rosenberg
Robert Coffeen	Kenneth Roy
Stephen Dance	Gary Siebein
Peter D'Antonio	Keely Siebein
M. David Egan	Lily Wang*
Donna A. Ellis*	David Woolworth
Timothy Foulkes	Ning Xiang
Ronald Freiheit	

* Past Newman Medalists

SPONSORS:

The Newman Fund is part of the Acoustical Society Foundation Fund under the aegis of the ASA Technical Committee on Architectural Acoustics. The Fund is honored to be supported by the acoustics community through personal contributions, the support of the Advisory Committee, and outstanding Corporate and Professional Sponsors. We would like to extend our sincere gratitude to the individuals and organizations that make this fund possible.

The Fund encourages donations during the year. Tax deductible donations can be made to:

The Robert Bradford Newman Student Award Fund
c/o The Acoustical Society of America
1305 Walt Whitman Road, Suite 300
Melville, NY 11747-4300

Tel: 516-576-2360
Fax: 631-923-2875
Email: asa@acousticalsociety.org

Donations can also be made securely online at:

<http://www.newmanfund.org/sponsors/>

