



*2011 Alumni Honors
Presentation & Reception*

RICE ENGINEERING ALUMNI
GEORGE R. BROWN SCHOOL OF ENGINEERING



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2011 Alumni Honors
Presentation & Reception

Aaron Hertzmann '96
OUTSTANDING YOUNG
ENGINEERING ALUMNUS

Roger Norris Keeler '51
OUTSTANDING
ENGINEERING ALUMNUS

NOVEMBER 4, 2011
MCMURTRY AUDITORIUM
DUNCAN HALL

Rice Engineering Alumni
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George Webb EE '88 MEE '91, *President*

Kate Hallaway CE '04, *President Elect*

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Terms ending June 2012

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Terms ending June 2014

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Terms ending June 2015

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Ketan Shah BioE '08

Eric Vu BioE '06

Robinson Vu EE '99 Econ '99*

*Member of the Alumni Honors Committee

**Chair of the Alumni Honors Committee

Program

CALL TO ORDER

WELCOME

Ned Thomas

William & Stephanie Sick Dean of Engineering

RICE ENGINEERING ALUMNI

YEAR IN PROGRESS

George Webb '88, '91

President, Rice Engineering Alumni

PRESENTATION OF AWARDS

AND REMARKS BY HONOREES

Theo Mallinson '95

Chair, REA Alumni Honors Committee

Outstanding Young Engineering Alumnus

Outstanding Engineering Alumnus

CLOSING REMARKS

RECEPTION

Please exit the auditorium immediately following the program
and join us in the foyer for a reception for the honorees

Outstanding Young Engineering Alumnus

Established in 1996, the OYEA award recognizes outstanding achievement by Rice engineering alumni under the age of 40.

PREVIOUS HONOREES

2010	Justin Romberg '97, '99, '04
2009	Christof Spieler '97, '99
2008	Parthasarathy Ranganathan '97, '01
2007	Chaitali Sengupta '95, '99
2006	J. Patrick Frantz '97
2005	Timothy R. Dehne '87
2004	Theodora Overfelt Pounds '96
2003	John D. Miner '88
2002	Eric Sachs '93
2001	Donald Greive '84
2000	Lawrence Ciscon '88, '90, '93
1999	J. D. Sitton III '85
1998	Al Hirshberg '82, '83
1997	Matthew Barry '84, '85, '92, '02
1996	William H. White '85

Call for Nominations

The REA Alumni Honors Committee encourages all members of the Rice community to nominate deserving individuals for OEA and OYEA honors. Further information is available on the REA website:

alumni.rice.edu/rea

Outstanding Young Engineering Alumnus

AARON HERTZMANN '96



Aaron Hertzmann's work focuses on the response of digital characters to changing environments, with applications in animated films and video games. Fittingly, he graduated from Rice as a double major in computer science and art & art history. He was then a stellar graduate student at New York University, earning departmental honors for outstanding Ph.D. dissertation. In 2000-2001 he published a pair of ground-breaking papers showing that machine learning techniques could be effectively applied to difficult problems in computer graphics. These papers have gone on to be among the most-cited articles in computer graphics.

In 2003 Hertzmann joined the faculty of the University of Toronto, where he is now an associate professor. Previously he held positions at Mitsubishi Electric Research Laboratory, Stanford, Microsoft Research, and the University of Washington. In 2009-2010 he was a Visiting Research Scientist at Pixar Animation Studios.

Rice professor Joe Warren has described Hertzmann as one of the best students he has ever had. The University of Toronto states that "his results have always been provocative and often astonishing." He is already a fellow of the Canadian Institute for Advanced Research, and in 2009 was named the Outstanding Young CS Researcher by the Canadian Association of Computer Science. In 2010 Hertzmann received one of Canada's highest honors: the Steacie Prize, awarded to a young scientist or engineer who has made notable contributions to research in Canada.

Outstanding Engineering Alumnus

Established in 1974, the OEA award recognizes Rice engineering alumni for careers of outstanding professional achievement and service.

PREVIOUS HONOREES

2010	Lynn Laverty Elsenhans '78	1991	Walter P. Moore Jr. '60
2009	Wanda Sigur '79	1990	Griff Lee '51
2008	Charles J. Newell '78, '80, '89	1989	George Miner '50
2007	Richard Massey '53, '54	1988	Patrick Conley '42
2006	Hector Ruiz '73	1987	I.A. Naman '38
2005	Pat H. Moore '52	1986	Charles S. Matthews '41, '43, '44
2004	Stephen J. Sheafor '72	1985	Riki Kobayashi '44
	John R. Treichler '69		Warren E. White '57
2003	William N. Sick '57	1984	Louis D. Spaw Jr. '40
2002	Richard Bost '76, '78	1983	Alan J. Chapman '45
2001	Sidney Burrus '57, '58, '60		James R. Sims '41
	Philip Glynn '59	1982	Lewis A. Waters '60
2000	Fred Russell '57	1981	David E. Farnsworth '42
1999	Robert R. Maxfield '63		John G. Holland '30
1998	Patsy Chapplear '53	1980	Jennings A. Massingill '42
1997	Joseph Reilly '48	1979	David L. Rooke '44
1996	Terry Koonce '60, '64	1978	Ernest Dell Butcher '34
1995	Orville D. Gaither '49	1977	Stanley C. Moore '37
1994	Kenneth E. Jones '33	1976	Walter P. Moore Sr. '27
1993	Burton J. McMurtry '57	1975	Herbert Allen '29
	M. Kenneth Oshman '62	1974	George R. Brown '20
1992	W. Bernard "Ber" Pieper '54		

Outstanding Engineering Alumnus

ROGER NORRIS KEELER '51



Norris Keeler earned a B.S. in chemical engineering from Rice and master's and doctoral degrees, also in chemical engineering, from the University of Colorado and the University of California Berkeley, respectively. His many areas of expertise include nonacoustic antisubmarine warfare, physical oceanography, submarine laser communications, mine detection, cryogenic engineering, high pressure physics, electro-optics, high pressure equations of state, lidar systems and ocean surveillance. He is being honored for his work in the fundamental and applied sciences and for major contributions to the development of international scientific cooperation.

Keeler served as a missile guidance and electronics officer in the U.S. Navy, and later in the Naval Reserve, attaining the rank of Captain. In 1963 he joined Lawrence Livermore National Laboratory, where he became head of the physics department. In 1975 he became founding director of the Office of Naval Technology. Since 1979, Keeler has worked in the private sector as a consultant and as principal scientific advisor of Kaman Aerospace.

Dr. Keeler has received a multitude of professional awards, including Gold Medals from the American Society of Naval Engineers (1992), the Armed Forces Communications & Electronics Association (1993), and the International Eurasian Academy of Sciences (2004). He holds more than 20 patents in the area of airborne lidar and laser communications.

About the Rice Engineering Alumni

OBJECTIVE

The goal of the REA is to serve as a catalyst for beneficial collaboration and lifelong connections between alumni and the school. The REA pursues this goal by recognizing outstanding achievements, supporting students, and facilitating interactions among alumni, students, faculty and staff.

MEMORIAL RESOLUTIONS

In addition to the OEA and OYEA awards, in 2009 the REA began the practice of considering special resolutions in appreciation of certain faculty, staff, alumni and friends who have made exceptional contributions to Rice engineering. These resolutions are intended to capture the sentiments of large segments of Rice engineering alums. To date, the REA Board of Directors has adopted resolutions honoring the following individuals:

Dr. Bill Wilson (1943-2009)

Dr. Franz Brotzen (1915-2010)

M. Kenneth Oshman '62 (1940-2011)

SERVING ON THE REA BOARD

The REA seeks dedicated Rice engineering graduates to serve on the REA Board of Directors. Selection to serve on the REA Board is competitive. Directors need not reside in Houston, but are expected to attend a few keynote REA functions in Houston. Further information is available on the REA website:

alumni.rice.edu/rea



**Rice
Engineering
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