



Rice Engineering Alumni

2011-2012: A Year in Progress

George Webb '88, '91

REA President

November 4, 2011

Who are Rice Engineering alumni?

- Eight departments in George R Brown School of Engineering
 - CE → Civil & Environmental Engineering (CIVE)
 - ChE → Chemical & Biomolecular Engineering (CHBE)
 - EE → Electrical & Computer Engineering (ECE)
 - ME → Mechanical Engineering & Materials Science (MEMS)
 - Bioengineering (BIOE)
 - Computer Science (COMP)
 - Computational & Applied Mathematics (CAAM)
 - Statistics (STAT)

Who are Rice Engineering alumni?

- 11,070 engineering alumni:
 - 8054 undergraduate
 - 2779 graduate only
 - 237 no degree
- Oldest graduate is class of 1932
- Young alums comprise 24% (2654) of the total

Who are Rice Engineering alumni?

- 11,070 engineering alumni:
 - 8054 undergraduate
 - 2779 graduate only
 - 237 no degree
- Oldest graduate is class of 1932
- Young alums comprise 24% (2654) of the total

Data provided by Alumni Affairs on 11/17/2011

Who are Rice Engineering alumni?

- By department

- ☐ 8054 Electrical –
- ☐ 3275 Mechanical –
- ☐ 2032 Chemical –
- ☐ 1986 Computer Science – 1176
- ☐ Civil and environmental – 919
- ☐ Bioengineering – 478
- ☐ Computational and Applied Mathematics – 269
- ☐ Statistics – 193

Data provided by Alumni Affairs on 11/17/2011

Who are Rice Engineering alumni?

- By location
 - Houston – 3334
 - Texas – 5370
 - Foreign – 472

Data provided by Alumni Affairs on 11/17/2011



What is Rice Engineering Alumni?

- Founded in 1938
- Rice's oldest alumni organization
- Governed by a Board of Directors
- Works closely with School of Engineering and office of Alumni Affairs

REA Board of Directors

Terms ending June 2012

- John Alsop EE '78 MEE '83
- Ross Gordon CE '06 MEnv '07
- Al Hirshberg ME '82 MME '83
- Mario Macia MSci '91
- Theo Mallinson ChE '95
- Siva Nadarajah CE '85

Terms ending June 2013

- John Gillette ChE '73 MChE '75
- Kate Hallaway CE '04
- Vicki Kopp MathSci '74
- Kevin McDaniel CE '02
- Matthew Reisdorf ChE '98
- George Webb EE '88 MEE '91

Terms ending June 2014

- Dave French ME '91
- Don Hill ChE '76 MChE '77
- Elaine Louie ChE '06
- Jim Powers ME '89
- Matthew Wettergreen PhD BioE '08

Terms ending June 2015

- Brendon Bailey CE '02 ME '02
- Timothy Bussmann CS '06 MCS '08
- Chris Lessing BioE '02 PhD '08
- Pete Nevin CE '89
- Ketan Shah BioE '08
- Eric Vu BioE '06
- Robinson Vu EE '99 Econ '99

REA Officers

- *President* George Webb EE '88 MEE '91
- *President Elect* Kate Hallaway CE '04
- *Immediate Past President* John Alsop EE '78 MEE '83
- *Secretary* Kevin McDaniel CE '02
- *Treasurer* Jim Powers ME '89

REA Standing Committees

■ Alumni Honors	Theo Mallinson ChE '95
■ Education & Outreach	Elaine Louie ChE '06
■ Student Awards	Ross Gordon CE '06, MEnv '07
■ Social	John Gillette ChE '73, MChE '75
■ New Board Members	Matthew Wettergreen PhD BioE '08
■ Officer Nominations	Kate Hallaway CE '04
■ Strategic Planning	Dave French ME '91



Who Am I?

- BSEE 1988, MEE 1991
- Law degree from Tulane
- Work as a patent lawyer in Austin and Houston
- Rice Engineering Alumni (REA) Board of Directors
 - Partial term 2007-09
 - Full term 2009-present
- REA President 2011-2012
- Lots of involvement in other Rice alumni programs

Mission of the REA

- ***“Our goal is to serve as a catalyst for collaboration and lifelong connections between alumni and the school. In practical terms, we do this by recognizing outstanding achievements, supporting students, and facilitating interactions among alumni, students, faculty and staff, just to mention a few areas. These programs build connections that are academic and professional...but also social and informal. **The school and its alumni are all doing remarkable things, and it benefits all of us when each reinforces the other.**”***

– G. Webb, Sept 2011 interview with
Rice Engineering magazine (publication forthcoming)

Mission of the REA

- **Not limited to Houston!**
- Mission is worldwide
- 20% of REA Board of Directors (5 of 25 members) live or work outside of Houston
 - Austin, San Antonio, Philadelphia, Chile
- REA is committed to supporting local and regional initiatives
 - REA Austin launched Sept 2011

Finances

- Two primary accounts: Operating Account and Scholarship Account
- Both are in good shape

	Operating Acct (\$)	Scholarship Acct (\$)
Balance at start of FY 2010-2011	62,000	52,000
Income in 2010-2011	30,000	59,000
Outgo in 2010-2011	29,000	36,000
Balance at start at of FY 2011-2012	63,000	76,000

- Questions? Jim Powers (ME '89), *REA Treasurer*



Core Activities

- Encourage Excellence
- Support Students
- Create Community
- Lifelong Learning



Encouraging Excellence

- **Alumni Honors Program**

- ☐ Outstanding Engineering Alumnus
- ☐ Outstanding Young Engineering Alumnus



Supporting Students

Monetary Support

- Annual REA appropriation to OEDK

- REA Scholarship Program
 - REA administers ~\$61,000 in scholarship awards each year
 - Most awards funded directly by REA
 - REA also administers several scholarships supported by other dedicated funds

Supporting Students

Alumni Participation

- “Engineer Your Career” panel
 - **Feb 20, 2012** (National Engineers Week)
- Judges / reviewers / mentors for Rice organizations and events
 - Empowering Leadership Alliance “Pioneer Your Career”: Oct 24
 - **Nov 11:** RCEL Poster Competition “Engineering Houston’s Future”
 - Highlights student work in energy, education and entrepreneurship
 - rcel.rice.edu/EHF
 - **Nov 15:** OEDK Elevator Pitch Competition oedk.rice.edu
- Community events
 - **March 1-3, 2012:** Science & Engineering Fair of Houston
- REA helps promote and coordinate mentoring opportunities

Lifelong Learning

REA Lecture Series

- 2-3 per year
- Timely topic of technology or policy
 - ☐ Energy
 - ☐ Infrastructure
- **Thursday, Dec 1: REA Fall Lecture**
 - ☐ “New Paradigms in Public Sector Engineering”
 - ☐ Jeff Ross, CE '75
 - ☐ **Sign up!** alumni.rice.edu → Events Calendar

Creating Community

REA Social Events

- Football Tailgate – Oct 8
- **Tuesday, Dec 6:** Fall Social & Faculty Lecture
 - at Saint Arnold Brewery
 - Keynote Speaker: John McDevitt, Professor of Chemistry and Professor of Bioengineering
 - **Sign up!** alumni.rice.edu → Events Calendar
- **Mar/Apr 2012:** Baseball Tailgate



What's New?

Encouraging Excellence

- **2010-present: Recognition of Outstanding New Faculty**
 - REA recognizes a professor who is relatively new to Rice but has already brought considerable distinction to Rice and to the School of Engineering
 - Invited to speak at REA Fall Social in December
 - 2010: Jamie Padgett, Civil & Environmental Engineering
 - 2011: John McDevitt, Bioengineering



What's New?

Encouraging Excellence

■ **2009-present: REA Resolutions**

- ☐ In appreciation of faculty, staff, alumni and friends who have made exceptional contributions to Rice engineering
- ☐ Intended to capture and express the sentiments of large numbers of engineering alums
- ☐ Honorees to date:
 - Ken Oshman '62 (1940-2011)
 - Prof. Franz Brotzen (1915-2010)
 - Prof. William “Dr Bill” Wilson (1943-2009)



What's New?

Supporting Students

- **Spring 2011: Expanded REA Scholarship Program**

- ☐ REA created several new scholarship awards to recognize student achievement in key areas of emphasis in the School
 - Research
 - Leadership
 - International service

- **Fall 2011: REA Student Project Grant Program**

- ☐ REA will provide grants to support engineering student initiatives outside the classroom
- ☐ Example: Engineers Without Borders



What's New?

Creating Community

- **Sept 2011:** REA Austin kickoff event
 - **First REA event outside of Houston**
 - Leaders = Javier Prado '79 and Rajiv Bala '02

- **Nov 1, 2011:** REA LinkedIn group launched

- **April 14, 2012:** REA-GRBSOE End-of-Year Picnic
 - Not just an awards event
 - Celebrating the year's accomplishments



What's New?

Special Initiatives

- **Strategic Planning Process**
- **ABET Accreditation** (every 6 years)
 - **Nov 14:** REA and other organizations to meet with ABET site team
- **April 25, 2012: “State of the School”**
Dean's Address to Alumni

What Lies Ahead?

- **Expand our Reach**

- ☐ More programs nationwide
- ☐ National Board membership

- **Overhaul our Website:** alumni.rice.edu/rea

- ☐ In progress

- **Enhance our Use of Social Media**

- ☐ *(This stuff is catching on!)*

- **Improve our Communications**

- ☐ Especially for mentoring opportunities

What Lies Ahead?

- New REA Logo?

- Old



- New?

·RICE·
ENGINEERING
ALUMNI

RICE
ENGINEERING
ALUMNI

REA
RICE ENGINEERING ALUMNI



What You Can Do

- **Attend** – or start – REA programs
- **Participate** in mentoring opportunities
- **Nominate** individuals for REA honors
- **Apply / Nominate** for Board of Directors
- **Sponsor / Support** the REA

alumni.rice.edu/rea



Rice Engineering Alumni

Questions?

George Webb '88, '91

REA President

gwebb@alumni.rice.edu

(512) 582-2838 office

(713) 269-5061 mobile



Rice Engineering Alumni

END