Challenges in the current environment

International mobility
Diversity
Equality
The importance of being international

International diversity of our community contributes to Rice’s ranking among world universities.

* Percentage of international faculty and students, and international co-authorships

Currently Rice ranks 86 of 1258 institutions worldwide.

Data source: Times Higher Education World University Ranking
International faculty have contributed 42% of Rice’s invention disclosures and 45% of the patent family filings.

**Disclosures and applicants since July 2013**

<table>
<thead>
<tr>
<th></th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invention Disclosures</td>
<td>227</td>
</tr>
<tr>
<td>Patents Families*</td>
<td>151</td>
</tr>
<tr>
<td></td>
<td>337</td>
</tr>
</tbody>
</table>

- **Contribution from faculty with bachelor degree outside of the US**
- **Contribution from all Rice University affiliated researchers**

*A single patent family is comprised of all patent filings that seek to protect a single core technology.

Data source: Office of Technology Transfer
We are an international community:

Rice faculty

Geographic origin of instructional TTT bachelor degrees

Outside of U.S.
N=166
31%

In U.S.
N=362
69%

Fall 2017: N=528

Data source: Human Resources
We are an international community: Rice graduate students and post-doctoral fellows

Citizenship status: Graduate students

- U.S. Citizen: N=1666, 56%
- International: N=1207, 40%
- Permanent Resident: N=114, 4%

Fall 2018: N=2,987

Data source: Human Resources and Office of the Registrar

Citizenship status: Post-doctoral fellows

- U.S. Citizen: N=67, 29%
- International: N=141, 62%
- Permanent Resident: N=20, 9%

Fall 2018: N=228
We are an international community: Rice freshmen by citizenship status

Fall 2004 Freshmen

- U.S. Citizen: N=708, 95%
- International: N=22, 3%
- Permanent Resident: N=18, 2%

Fall 2018 Freshmen

- U.S. Citizen: N=816, 85%
- International: N=119, 12%
- Permanent Resident: N=24, 3%

Data source: Office of the Registrar
Hurdles international students face:

Will I get a visa?
Will I be admitted to the U.S.?
Can I travel home and return?
Can I stay for temporary employment?
Can I have a career in the U.S.?
We are a diverse community:
Rice domestic freshmen by ethnicity

**Fall 2004**
704 Domestic • 22 International

- White: N=418 (59%)
- Asian: N=109 (16%)
- Black: N=51 (7%)
- Hispanic: N=84 (12%)
- Other: N=42 (6%)

3% of freshmen were international

**Fall 2018**
840 Domestic • 119 International

- White: N=301 (36%)
- Asian: N=229 (27%)
- Hispanic: N=167 (20%)
- Black: N=83 (10%)
- Other: N=60 (7%)

12% of freshmen are international

Data source: Office of the Registrar
Instructional faculty diversity

Domestic TTT and NTT faculty by headcount

Fall 2012: 762
Fall 2018: 788

- Asian: 10%, 12%
- Black: 2%, 3%
- Hispanic: 5%, 7%
- Two+: 1%, 1%
- White: 83%, 78%

Total TTT and NTT faculty by headcount

Fall 2012: 782
Fall 2018: 827

- Male: 69%, 66%
- Female: 31%, 34%

30% of domestic new hires were minorities
38% of all new hires were females
Use of race in admissions

• Departments of Justice and Education investigations of Harvard and Yale admission practices

• Harvard vs. Students for Fair Admissions trial began this week

• Statements against such use of race by Chief Justice Roberts, Attorney General Sessions and Secretary of Education DeVos
Maintaining a strong university commitment to equality

Sexual harassment
- #MeToo
- Proposed Title IX regulations, and a focus on the process
- New NSF reporting requirements for any finding or determination of sexual harassment by a PI or Co-PI (which may soon extend to NIH)
- AAU Campus Climate Student Survey on Sexual Assault and Misconduct (Spring 2019)
- Updating Rice’s policy(#830) and procedures related to sexual harassment

Gender and sexual orientation
- Removal of federal protections for transgender students
- With the retirement of Justice Kennedy, concerns about the legal status of marriage
- Trump administration: Transgender individuals disqualified from service
Rice University today: A snapshot
Rice evolves into a more balanced research university

Undergraduate/Graduate enrollment composition

Data source: Office of the Registrar
Composition of the Fall 2018 entering class

- Undergraduate: N=959, 49%
- Graduate: N=999, 51%

Data source: Office of the Registrar
Doctoral degrees:
51% increase 2004-05 to 2017-18

2004-2005

137 Degrees

- Engineering: 65 (47%)
- Natural Sciences: 45 (33%)
- Social Sciences: 13 (9%)
- Humanities: 5 (4%)
- Music: 9 (7%)

Data source: Office of the Registrar

2017-2018

207 Degrees

- Engineering: 88 (43%)
- Natural Sciences: 65 (32%)
- Social Sciences: 22 (11%)
- Humanities: 25 (12%)
- Music: 3 (2%)

Data source: Office of the Registrar
Components of graduate enrollment

Growth and diversification of graduate enrollment

Data source: Office of the Registrar

<table>
<thead>
<tr>
<th>Component</th>
<th>Fall 04</th>
<th>Fall 12</th>
<th>Fall 18 (12th day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal Non-thesis Master's</td>
<td>257</td>
<td>322</td>
<td>761</td>
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<tr>
<td>终端硕士研究生学位(非论文)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Terminal Master's &amp; Thesis Master's</td>
<td>494</td>
<td>681</td>
<td>343</td>
</tr>
<tr>
<td>终端硕士研究生学位(带论文)</td>
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<td></td>
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<tr>
<td>MBA &amp; Macc</td>
<td>1,120</td>
<td>1,363</td>
<td>1,461</td>
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<tr>
<td>MBA &amp; Macc</td>
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</tr>
<tr>
<td>Doctoral</td>
<td></td>
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</tr>
</tbody>
</table>

Data source: Office of the Registrar
Sponsored research revenues
Compound annual growth rate of 4.7% (FY08-18)

Data source: Finance

Revenues from FY 2017 to FY 2018 decreased 4.2%
Growth in endowment ($billions)

Growth in endowment by fiscal year (market value as of June 30 of each year)

Data source: Rice Management Company

*Preliminary
Emerging revenues
Opportunities for growth in different student markets

Growth by student market

Data source: Finance
Operating revenues grow and diversify
Endowment covers 40% of revenues in FY18 vs. 45% in FY08

Data source: Financial Statements
*FY 2018 is preliminary
Philanthropy:
Commitments by year (in nominal dollars)

<table>
<thead>
<tr>
<th>Year</th>
<th>Dollars in Millions</th>
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<tbody>
<tr>
<td>FY 2014</td>
<td>$86.8</td>
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<td>FY 2015</td>
<td>$142.7</td>
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<tr>
<td>FY 2016</td>
<td>$104.6</td>
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<tr>
<td>FY 2017</td>
<td>$158.2</td>
</tr>
<tr>
<td>FY 2018</td>
<td>$163.1</td>
</tr>
<tr>
<td>FY 2019</td>
<td>$180.0</td>
</tr>
<tr>
<td>FY 2019 as of 9/30</td>
<td>$29.5</td>
</tr>
</tbody>
</table>
Projects underway
Music and Performing Arts Center
Kraft Hall
Utilities infrastructure
Anderson Biological Labs
New Will Rice College magister house
McNair Hall renovations
Graduate housing
New Sid Rich College

Planning underway
Anderson Hall expansion
Fondren Library
George R. Brown Hall renovation

Other Projects
Abercrombie replacement
Sewall Hall renovation
Police station
Hanszen College
Student Center with Multicultural Center
Reputation: Rankings

No. 16 national universities (U.S. News)
No. 8 undergrad teaching (U.S. News)
No. 2 best quality of life (Princeton Review)
No. 1 race/class interaction (Princeton Review)
No. 5 happiest students (Princeton Review)
No. 12 overall college (Niche.com)
No. 14 U.S. colleges (Wall Street Journal and Times Higher Education)
No. 70 top universities in the world (Times Higher Education) AWRU
No. 8 among private colleges (Forbes Magazine)

No. 14 best value college (Forbes Magazine)
No. 14 best college for your money (Money Magazine)
No. 9 biomedical engineering (U.S. News)
No. 2 undergraduate architecture program (Design Intelligence)
No. 7 graduate architecture program (Design Intelligence)
No. 10 full-time MBA (Bloomberg Businessweek)
No. 2 graduate entrepreneurship program (U.S. News)
No. 3 university-affiliated think tank in the world (UPenn)
No. 1 energy-based think tank in the world (UPenn)
New Board of Trustees members

Donald Bowers ’91
VP Federal Reserve
Bank of Dallas

Holli Ladhani MBA ’10
CEO & President of
Select Energy Services

Bart Broadman
Founder & Chief
Investment Officer,
Astignes Capital Asia
Vision for the Second Century, Second Decade:
Goals

- **Provide** transformative undergraduate education
- **Build** renowned graduate programs
- **Invest** in faculty to achieve preeminence
- **Expand** access, diversity and inclusiveness
- **Elevate** research achievement and reputation
- **Extend** Rice’s reach and impact
- **Engage** Houston and empower its success
Early investments

- Neuroengineering
- Synthetic and physical biology
- Data to Knowledge
- Inequities and inequalities
- The Rice Investment
- Renovation of facilities
- Research equipment and infrastructure
- Innovation district
- Online degrees
### Awards to entering doctoral students 2012-2018

<table>
<thead>
<tr>
<th>Pre-Matric Awards</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
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<tr>
<td>Beckman</td>
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<td></td>
<td></td>
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<tr>
<td>Ford</td>
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<td>Fulbright (foreign)</td>
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<tr>
<td>Fulbright (US)</td>
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<tr>
<td>GEM Scholar</td>
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<td>Goldwater HM</td>
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<td>Goldwater</td>
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<td>1</td>
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<tr>
<td>Mellon Mays</td>
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<td>NASA-NSTRF</td>
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<td>Soros</td>
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<tr>
<td>SMART Scholar</td>
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<tr>
<td><strong>Total</strong></td>
<td>12</td>
<td>7</td>
<td>9</td>
<td>9</td>
<td>21</td>
<td>12</td>
<td>34</td>
</tr>
</tbody>
</table>
Sid Richardson College will provide on-campus housing for graduate students.
Faculty recruitments planned for 2018-19

- 39 tenured and tenure-track across all schools
  - 19 vacancies filled
  - 13 new positions
  - 7 mortgages against future retirements

Instructional faculty has increased 8% since fall 2012
32 new TTT faculty in 2018

Juan Jose Castellon
Architecture

Caleb Bashor
Bioengineering

Lydia Beaudrot
Biosciences

Nathan Dautenhahn
Computer Science

Isaac Hilton
Bioengineering

Anastasios Kyrillidis
Computer Science

Yingyan Lin
Electrical & Comp. Eng.

Konstantinos Mamouras
Computer Science

Akane Sano
Electrical & Comp. Eng.

Santiago Segarra
Electrical & Comp. Eng.

Todd Treangen
Computer Science

Geoffrey Wehmeyer
Mechanical Engineering

Hanyu Zhu
Mat. Sc. & Nano Engineering

Aditya Mohite
Chem & Biomolecular Eng.

Sophie Esch
Spanish, Portuguese & Lat. Am. Studies

Jacqueline Couti
Classical & European Studies

William Suarez-Potts
History

Jaeyeon Chung
Marketing
32 new TTT faculty in 2018

Alessandro Piazza
Strategic Management

Eleanor Putnam-Farr
Marketing

Kunal Sachdeva
Finance

Sylvia Dee
Earth, Environmental & Planetary Sciences

Joanna Nelson
Mathematics

Kirsten Siebach
Earth, Environmental & Planetary Sciences

Christopher Tunnell
Physics & Astronomy

Ming Yi
Physics & Astronomy

Michael Heaston
Shepherd School Opera

Robin Rice
Shepherd School Voice

Jonathan Homola
Political Science

Danielle King
Psychological Sciences

Elizabeth Roberto
Sociology

Patricia Delucia
Psychological Sciences
Undergraduate students with family income below $65,000* will receive a grant that covers full tuition, mandatory fees and room and board.

Students with family income between $65,000 and $130,000* will receive at least a full tuition scholarship.

Students with family income between $130,000 and $200,000* will receive at least a half tuition scholarship.

Rice students who qualify for the Rice Investment will not be required to take out student loans as part of their financial aid packages.

*With typical assets
**V2C2**

**Expand access, diversity and inclusiveness**

*Rank is based on the ratio of % of students in top 1% of household income divided by % of students in bottom 60%.*

<table>
<thead>
<tr>
<th>Rank*</th>
<th>USN Rank 2019</th>
<th>School</th>
<th>% in top 1% ($630K+)</th>
<th>% in bottom 60% (&lt;$65K)</th>
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</thead>
<tbody>
<tr>
<td>273</td>
<td>19</td>
<td>UCLA</td>
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<tr>
<td>173</td>
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<td>MIT</td>
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<td>155</td>
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<td>Cal Tech</td>
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<tr>
<td>114</td>
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<td>Chicago</td>
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<td>95</td>
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<td>Rice</td>
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<td>72</td>
<td>3</td>
<td>Columbia</td>
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<td>19</td>
<td>Wash U.</td>
<td>21.7</td>
<td>6.1</td>
</tr>
</tbody>
</table>

Elevate research achievement and reputation

Projects completed
• Space Science renovation
• New clean room

Projects underway
• Kraft Hall - Social Sciences
• Anderson Biological Laboratories
• McNair Hall improvements

Planning underway
• Bioengineering (BRC)
• Neuroengineering (BRC)
• George R. Brown renovations
• Del Butcher renovations
• Mech Lab

Research Equipment
• NMR spectroscopy
• Additional funding for SEA
• Clean room equipment
Extend Rice’s reach and impact

Countries with less than 1,000 enrollments have total enrollments of 59,227

- Turkey: 1,331
- Pakistan: 2,668
- Spain: 1,330
- Australia: 3,173
- Germany: 3,297
- Mexico: 3,946
- Brazil: 4,182
- UK: 5,383
- Canada: 7,529
- China: 7,685
- India: 26,793

International engagement in Rice Online by country

Total enrollments in FY18: 201,614
133,065 / 66% international
2.8 million+ enrollments to date
Online MBA launched July 2018
Online CS MS degree in development
Rice University announced plans for a new Midtown innovation district that will transform a 14-acre site, anchored by the former Sears building, into a hub designed to bring together the area’s entrepreneurial, corporate and academic communities into collaborative spaces and programs.
“...we do these things, not because they are easy, but because they are hard, because that goal will serve to organize and measure the best of our energies and skills, because that challenge is one that we are willing to accept, one we are unwilling to postpone...”

—President John F. Kennedy