• University growth
• Dynamic campus
• Research
• Internationalization
• Graduate programs
• Undergraduate experience
• Inter-institutional collaboration
• Interdisciplinary endeavors
• Houston engagement
Then

Frank Tittel
World’s first tunable lasers

Sidney Burrus
Digital signal processing

David Hellums
Artificial heart research

Now

Rebekah Drezek
Spectroscopy; cancer research

Lin Zhong & Ashu Sabharwal
Smartphones that can detect early signs of heart disease and diabetes

Matteo Pasquali
Continuous blood-flow pump
Then

1937 Rice physicists

2.5 million-volt atom smasher

Nanotechnology revolution; Buckyball

Robert Curl and Richard Smalley

Now

Paul Padley

CERN’s Large Hadron Collider

Nanotechnology revolution; Buckyball

Smalley Institute

Nano research in advanced batteries, water filtration, oil and gas production, solar energy, optics, medical diagnostics

Jim Tour

Graphene-aluminum hybrid for phone touchscreens, solar panels and LED lighting
Social Sciences

- **Then:** The Houston Area Survey debuts in 1981.
- **Now:** The Kinder Institute for Urban Research houses the study and expands it to international cities.
- **Then:** The Rice School opens in 1994 in collaboration with HISD.
- **Now:** The Houston Education Research Consortium is launched in 2011 to conduct pathbreaking research with HISD.

Humanities

- **Then:** The Rice Gallery debuts in 1995.
- **Now:** The Rice Public Art Program brings more great art and artists to Houston: Surls, Turrell, Plensa, Kubricht, Villareal, Wolfe.
- **Then:** The Center for the Study of Cultures is launched in 1987.
- **Now:** It becomes the Humanities Research Center, a model for interdisciplinary scholarship.
Music

• **Then:** The Houston Symphony is founded in 1913 with help from Rice leaders.

• **Now:** 40 percent of the symphony's musicians have studied or taught at the Shepherd School of Music.

Business

• **Then:** The Rice Business Plan Competition is launched in 2000 and nine teams compete for $10,000 in prizes.

• **Now:** The competition becomes the biggest in the world with 42 teams competing next year for $1.4 million.
  - It has helped launch 250 start-ups.
Brockman Hall: Advancing physics research

- Randy Hulet: One-dimensional window on superconductivity
- Emilia Morosan: Synthesis of unconventional superconductors
- Jason Hafner: Electrical fields inside lipid membranes
- Rui-Rui Du: Structures for quantum computing
- Doug Natelson: Single-molecule electronics
- Junichiro Kono: Coloration of armchair carbon nanotubes
The BioScience Research Collaborative: Advancing biomedical research

- **December 2006**: Groundbreaking
- **July 2009**: Texas Children’s Hospital signs lease
- **July 2009**: Rice researchers move in
- **April 2010**: Grand opening
- **September 2010**: NSBRI signs lease
- **September 2011**: 10th floor leases for
  - BioHouston
  - Sante
  - CPRIT and CTNET
- **September 2011**: Java Pura opens
- **September 2011**: HATRC proposal submitted
- **September 2011**: CPRIT chooses BRC for check presentation to all Houston grant recipients, including $14 million to Rice
• **Rebecca Richards-Kortum**: creating advanced, modular miniature optics to diagnose disease in resource-poor settings

• **Tomasz Tkaczyk**: analyzes the effects of blast-related hearing loss suffered by American troops in war zones

• **John McDevitt**: developing a multifaceted platform that will dramatically cut the cost of diagnosing cancers, HIV, diabetes and a wide range of other diseases.

• **Jennifer West**: creating cancer-killing Auroshells and transplantable tissues

• **Junghai Suh**: attacking breast cancer through a virus-based gene therapy technique

• **Robert Raphael**: working with advanced optics to discover the cellular and molecular causes of hearing loss
**Brazil**
- Seven Rice faculty in Brazil-related fields and two searches
- Oil and Gas research opportunities
- Rice as preferred university for student exchanges

**Japan**
NanoJapan Partnerships
- Osaka University
- Hokkaido University
- University of Tokyo
Sponsored research revenues: $115.3 million in FY11

SPONSORED RESEARCH AND OTHER SPONSORED PROGRAM REVENUES BY FUNDING SOURCE

- Federal
- Industrial
- Foundations
- State, Local & Other

FY 01 FY 02 FY 03 FY 04 FY 05 FY 06 FY 07 FY 08 FY 09 FY 10 FY 11

$ Millions
Our community by the numbers

$190,027
$741 million
4,980
28–6
$4.45 billion
1,000
13,816
300
99
Employee growth
Faculty recognition

• 2011 National Medal of Science: Richard Tapia
• Houston Symphony performs Pierre Jalbert’s "Shades of Memory" in honor of 9/11

• Awards and recognitions
  - Marty Wiener, National Humanities Center
  - George Sher, Princeton Center for Human Values
  - Herb Ward, winner of Charles Thom award
  - Richard Baraniuk, winner of World Innovation Summit for Education (WISE) award

• Books
  - Matthias Henze, “Jewish Apocalyptics”
  - Douglas Brinkley, “The Quiet World”
  - Usama Makdisi, “Faith Misplaced”
  - April DeConick, “Sex and Gender Conflicts in the Early Church”

• Research prestigious journals:
  - Ramon Gonzalez (Nature), Mateo Pasquali (Science)

NSF Career Awards in FY12: four to date
**Since July: 55 videos; 215,000 views**

- Magic sand: 42,000
- Tour’s Girl Scouts graphene: 32,000
- Nanocables research: 21,000
- **International students football:** 20,500
- Hubble telescope movies: 11,800
- Wireless “duplex” research: 9,800
- Touch screen graphene: 12,000
- Krishna Palem’s I-slate: 6,300
- Princeton Review Best Quality of Life: 6,100
- Prosthetic arm brain control: 5,000
- Graphine oxite: 2,500
- Rice special fan: 2,400
- Emerson’s Houston population: 2,800
- 2015 matriculation: 2,700
- Dennis Huston: 2,100
- Owls on campus: 2,500
- **Bicycle Safety:** 1,120

**Video montage**
Admissions: We’re still hot

Applications for fall 2011: 13,816
Undergraduate admission

![Graph showing Undergraduate admission trends over years from Fall 2006 to Fall 2011. The graph compares percent admitted and percent yield.](image-url)
### Undergraduate enrollment

<table>
<thead>
<tr>
<th></th>
<th>Actual</th>
<th></th>
<th></th>
<th></th>
<th></th>
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<tr>
<td></td>
<td>Fall 2009</td>
<td>Fall 2010</td>
<td>Fall 2011</td>
<td>Fall 2012</td>
<td>Fall 2013</td>
<td>Fall 2014</td>
<td>Fall 2015</td>
<td></td>
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<tr>
<td>Entering</td>
<td>894</td>
<td>949</td>
<td>1,000</td>
<td>935</td>
<td>940</td>
<td>950</td>
<td>950</td>
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<tr>
<td>Transfers</td>
<td>69</td>
<td>72</td>
<td>57</td>
<td>45</td>
<td>65</td>
<td>65</td>
<td>65</td>
<td></td>
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<tr>
<td>Continuing</td>
<td>2,316</td>
<td>2,464</td>
<td>2,650</td>
<td>2,791</td>
<td>2,801</td>
<td>2,796</td>
<td>2,768</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3,279</td>
<td>3,485</td>
<td>3,707</td>
<td>3,771</td>
<td>3,806</td>
<td>3,811</td>
<td>3,783</td>
<td></td>
</tr>
</tbody>
</table>
Pell recipients 2010-11
(percent of all undergraduates)

- Wash U: 8%
- Duke: 12%
- Northwestern: 13%
- Yale: 14%
- Stanford: 16%
- Rice: 17%
- MIT: 20%
Net undergraduate tuition revenue

$ Millions

FY 01 FY 02 FY 03 FY 04 FY 05 FY 06 FY 07 FY 08 FY 09 FY 10 FY 11 FY12 (Proj.)
Graduate degrees awarded
Student experience

Princeton Review 2011 rankings of 368 schools

- 1 Best quality of life, third year in a row
- 1 Happiest students
- 5 School runs like butter
- 5 Town and gown relations
- 6 Lots of race/class interaction
- 8 Best athletic facilities
- 13 Great financial aid
- 18 Best health services
Supporting student success

College staff

Mentors and advisors

Wellness and counseling staff

Library staff

RUPD and a safe campus

Open doors and hours

Departmental staff

Rec Center staff

Deans of undergraduates and grad students

Maintenance, housing and grounds crew

Campus chefs and servers

IT support
Campus Vibrancy
Campus vibrancy

- More people
  - Students
  - Faculty and staff
  - Visitors

- More motion -- pedestrians, buses, cars, carts

- More bikes (and more bike safety!)

- More events
  - Concerts
  - Lectures
  - Athletic events - recreational and varsity
Campus vibrancy: More places to sit, eat, talk

- Coffee and conversation
  - Pavilion
  - Rice Coffeehouse
  - Java Pura at BRC

- Places to eat
  - South Café
  - Droubi’s
  - Little Willy’s
  - Recharge
  - Cohen House

- Places to sit
  - 100 more café tables
  - 400 more chairs
  - More outdoor benches
Revenue sources - consolidated budget

FY 2006
- Endowment Distribution: 45.8%
- Net Tuition & Fees: 15.0%
- Sponsored Research (includes F&A recovery): 20.3%
- Athletics: 1.1%
- Auxiliaries: 1.1%
- Restricted Gifts & Designated Funds: 15.0%
- Miscellaneous Revenues: 8.0%
- Unrestricted Gifts & Trust Distributions: 1.1%
- Transfers: 1.1%

$385 million

FY 2012
- Endowment Distribution: 41.9%
- Net Tuition & Fees: 7.6%
- Sponsored Research (includes F&A recovery): 20.0%
- Athletics: 8.4%
- Auxiliaries: 1.7%
- Restricted Gifts & Designated Funds: 18.0%
- Miscellaneous Revenues: 0.7%
- Unrestricted Gifts & Trust Distributions: 0.6%
- Transfers: 0.7%

$525 million
Endowment value 1991-2011

Fiscal Years ended June 30

$ Billions

- 1991: 1.2
- 1992: 1.3
- 1993: 1.4
- 1994: 1.3
- 1995: 1.6
- 1996: 1.9
- 1997: 2.3
- 1998: 2.8
- 1999: 2.9
- 2000: 3.4
- 2001: 3.2
- 2002: 2.9
- 2003: 2.9
- 2004: 3.3
- 2005: 3.6
- 2006: 4.0
- 2007: 4.7
- 2008: 4.6
- 2009: 3.6
- 2010: 3.8
- 2011: 4.4
$740.7 million
7/1/2005 - 9/30/2011
75 percent of goal

- Rice Annual Fund, $41
- Funds Pending Designation, $14
- Endowed Professorships, $84
- Buildings & Equipment, $184
- Departmental Endowments, $114
- Endowed Scholarships, $84
- Faculty Research, $75
- Other Departmental Funds, $146
Campaign commitments

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Dollars in Millions</th>
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<tbody>
<tr>
<td>FY 2000</td>
<td>$100</td>
</tr>
<tr>
<td>FY 2001</td>
<td>$56</td>
</tr>
<tr>
<td>FY 2002</td>
<td>$61</td>
</tr>
<tr>
<td>FY 2003</td>
<td>$41</td>
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<td>FY 2004</td>
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<td>FY 2006</td>
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<td>FY 2008</td>
<td>$168</td>
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<tr>
<td>FY 2009</td>
<td>$85</td>
</tr>
<tr>
<td>FY 2010</td>
<td>$71</td>
</tr>
<tr>
<td>FY 2011</td>
<td>$106</td>
</tr>
<tr>
<td>FY 2012</td>
<td>$142</td>
</tr>
</tbody>
</table>

(as of 9/30)
Rice Annual Fund:
Goal $8.2 million by FY13
Working at Rice
Turnover steady, Applications up

- Turnover averaged 12.5 percent of benefits eligible employees FY08-11 (departures as a percentage of benefits eligible employees)

- Hiring trends for staff jobs: ~87 qualified applications per job
  - FY11: 26,786 applications for 306 jobs
  - FY10: 26,467 applications for 308 jobs
  - FY09: 17,017 applications for 270 jobs
  - FY08: 16,573 applications for 435 jobs
Salaries, benefits and fees

• Salaries
  - During economic downturn Rice minimized layoffs
  - Raises only to employees earning less than $60,000 in FY10
  - Small pay raise pool in FY11 and 12
  - Plan for slightly larger raise pool for FY13

• Health insurance benefits
  - During downturn, options and coverage remained comprehensive and premium increases were held to a minimum
  - 6.1 percent average increase compared with 7.8 percent for Houston area (FY 04-12)

• Parking fees
  - No increase in FY10 and FY11; 2.1 percent in FY12

• Rec Center fees
  - No increase for FY11 and FY12
• Working out: Rec Center memberships
  - 925 employees in FY11, up 62 percent from FY10

• Taking classes
  - ~133 per year enroll in Continuing Studies courses
  - ~470 per year attend HR training classes
  - 160 completed or enrolled in Rice Leaders
  - 94 completed or enrolled in TEAMS

• Campus opportunities
  - Cheering the Rice Owls
  - Attending lectures and concerts
  - Serving as associates in the colleges
  - Enjoying each other’s company at the Pavilion
Over and above: Dealing with drought

Before drought: 5,000 trees
Today: 4,980 trees
Over and above: Conserving water

Cooling Tower Conservation:
- Condensate harvesting: eight buildings
- Raising temperatures to reduce chilled water use

Irrigation Conservation:
- Reusing water from “dewatering” basements
- Mulching around trees
- Watering priorities: heritage trees, specimen trees and gardens

Domestic Conservation:
- Showerhead and toilet retrofits
- Front-loading washing machines
- Improved leak reporting via energywaste@rice.edu
- Conservation emails, posters, announcements
Over and above: Houston outreach

- **United Way**
  - Record giving and participation in 2010
  - 55 percent toward 2011 goal of $130,000

- **K-12 activities**
  - Rice Education Entrepreneurship Program
  - College information and essay sessions
  - Mathematical Institute for Young Women
  - HERE Project (High School Essay Contest)

- **Lifelong learning**
  - Glasscock School of Continuing Studies
  - Alumni College Weekend

- **Student, faculty and staff volunteers**
  - RSVP - Rice Student Volunteer Program
  - ROCK (Rice Owl Crochet Knitters)
Questions?
“We need to yell”
Milestones and events

- Rice Day 2010
- Buckyball 25th anniversary
- Rice Stadium 60th anniversary
- Homecoming 2010
- Houston Thanksgiving parade
- Martin Luther King Day parade
- Rice Day at the Rodeo
- Rice Day at the State Capitol
- Rice in a Box
- Houston Pride Parade
- Art Car Parade
- Lovett Hall 100th anniversary
- Rice football 100th anniversary
- NASAversary
UT has its own bottled water...
...but Rice has its own beer!
New banners

- 1912: Edgar Odell Lovett, first president of Rice Institute.
- 1960: Rice Institute officially becomes Rice University.
- 2007: Peggy Whitson ’86, first female space station commander.
Centennial Story Project

Parliament of OWLS

MEMBERS OF THE RICE COMMUNITY SHARE THEIR CENTENNIAL STORIES

MATT HAYNE '03
LAWYER, WASHINGTON D.C.
VIEW VIDEO>

CHUCK THROCKMORTON
DIRECTOR, THE MOB
VIEW VIDEO>

ANNA FREDBERG '04
NEW YORKER, MARTELARIAN
VIEW VIDEO>

KATHLEEN MATTHEWS
PROFESSOR OF BIOCHEMISTRY
VIEW VIDEO>

centennial.rice.edu/stories
Tell us why you celebrate Rice

TELL US WHY YOU CELEBRATE RICE!

We're seeking the greatest, most creative and most unconventional reasons to celebrate Rice. Tell us your reason and you could make the top 100!

centennial.rice.edu/stories
The home stretch...

IF THE MAYANS ARE RIGHT, WE'LL ONLY HAVE TO PAY FOR TWO YEARS OF COLLEGE.
Award and nominations:
• 100 staff members recognized
• Star award and certificate
• Nominations by peers, colleagues, coworkers or supervisors

Criteria:
• Excels *above and beyond* the job
• Supports the goals and aspirations of the university
• Has a positive impact on Rice culture
• Contributes to a better future
The Unconvention
• April 12-14, 2012
• A three day, 300-acre open house for the Houston community

Centennial Celebration
• Oct. 10-14, 2012
“Centennial House” wall build

• Today noon - 8 p.m.
• Central Quad
Rice Day Picnic (tonight!)
Celebrate Rice Day

Choice of colors, one per person.
Please help us welcome...

Jim Crownover
Rice Board of Trustees

Susan McIntosh
Faculty Senate

Kathleen Boyd
Rice University Centennial

Karen George
Association of Rice Alumni

Sumedh Warudkar
Graduate Student Association

Georgia Lagoudas
Student Association

Fly Rice Owls Step Team
(F.R.O.S.T.)

Rice Cheerleaders

Sammy the Owl
Now, to “step into” 2012 . . .

F.R.O.S.T.
Fly Rice Owls Dance Team
Sing along!

Oh when the Owls
Go marching in,
Oh when the Owls go marching in,
Oh how I want to be in that number,
When the Owls go marching in!

We’ll celebrate
One hundred years,
We’ll celebrate one hundred years,
Oh how I want to be in that number,
To celebrate 100 years!

Thank you
Rice Chorale, Melodious Voices of Praise, Rice Jazz Ensemble, F.R.O.S.T.
Shepherd School of Music, Sammy the Owl and Rice Cheer Leaders
Town Hall and Staff Advisory Committees, Rice Public Affairs