No. 61
No. 67 last year

Considering public and private universities, we are tied with:

UT Dallas
University at Buffalo
Lehigh University

No. 33
Among public engineering colleges

Top 5
Hispanic-serving public engineering colleges in the U.S.
UNDERGRAD AND TRANSFER STUDENTS

<table>
<thead>
<tr>
<th></th>
<th>Accepted</th>
<th>Enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-16</td>
<td>651</td>
<td>636</td>
</tr>
<tr>
<td>2016-17</td>
<td>897</td>
<td>697</td>
</tr>
<tr>
<td>2017-18</td>
<td>770</td>
<td>770</td>
</tr>
<tr>
<td>2018-19</td>
<td>803</td>
<td>803</td>
</tr>
</tbody>
</table>
BCOE on track to exceed the 2:1 transfer ratio
Research Awards

FY15: $29.4M
FY16: $39.4M
FY17: $38M
FY18: $42M
FY20: $55M

Campus-wide increase: 12%

2 years = 10%

National Budget Delay Impact
NEW FACULTY SO FAR...

Dean, BCOE
Christopher Lynch

Asst. Professor, BIEN
Giulia Palermo

Asst. Professor, ME
Bhargav Rallabandi

Asst. Professor, ME
Luat Vuong

Asst. Professor, ECE
Ran Cheng

Assoc. Professor, CSE
Manu Sridharan

LSOE, CSE
Paea LePendu

LPSE, CSE
Mariam Salloum
INFRASTRUCTURE: ENGINEERING FOOTPRINT

FUTURE: MULTIDISCIPLINARY RESEARCH BUILDING 1

MATERIALS SCIENCE & ENGINEERING

OFF-CAMPUS: CE-CERT

Engineering: 6 of 8 MRB1 Teams

- Data Science Center
- Environmental Toxicology Group
- Food, Bugs, Guts & Brains
- Imaging
- Interdisciplinary Center for Quantitative Modeling in Biology
- Mind & Brain Health: Neuroinflammation, Neurotrauma & Neurodegeneration
- Molecular, Circuit & Behavioral Mechanisms of Neurodevelopment Disorders
- Systems Biology of Infectious Disease
NEW EFI LE

MAIN GOAL

• Enhanced usability by faculty and staff
  • Better user interface
  • Ex. Import using DOI

TIMELINE

• Coming online summer 2018
• Current faculty info ported from old efile, except those with an active action during AY17/18, who will be ported later

SPECIAL THANKS

WALID NAJJAR
One of three faculty members serving on the design and consultation committee
COUNCIL OF ADVISORY MEMBERS: CONTINUING MEMBERS

Chairman & CEO
Bourns, Inc.
Gordon Bourns

Physician
Ernest Levister

Chairman
Winston Chung Global Energy
Winston Chung

Sr. Consultant
Innoval Technology
Michael Clinch

Vice Provost
Stevens Institute of Tech
Mo Dehghani

Pres. & CEO
Johnson Machinery
William Johnson

Chairman, CEO & President
RBC Bearings, Inc.
Michael Hartnett

Managing Director
Cloud Strategies
David Key

Chairman
Krieger & Stewart Inc.
Bob Krieger

Manager
Arcadis
Carole Sanders

Retired
Boeing
Thaddeus Sandford
COUNCIL OF ADVI SORS: NEW MEMBERS

Ruth Chao
General Affairs Manager
Delta Electronics, Ltd.

Lea Deesing
Chief Innovation Officer
City of Riverside

Brian Hawley
Chairman, CTO
Luminex Software

Nora Hackett
Visiting Scholar
UCR

Ching Liu
Executive Vice President
SolarMax Technology, Inc.

Kevin Marcus
Founder & CTO
Versium Analytics, Inc.

Eric Sheppard
Research Assoc. Professor
Hampton University

Victor Tolan
President & CEO
B&K Precision Corp.

Shane Trussell
President
Trussell Technologies

David Tsai
Co-Managing Partner
Vinson & Elkins LLP
DEVELOPMENT: GIFTS AND CAMPAIGN

Totals by Fiscal Year

- FY08: $1.0M
- FY09: $732K
- FY10: $875K
- FY11: $11.7M
- FY12: $3.9M
- FY13: $3.8M
- FY14: $1.9M
- FY15: $1.8M
- FY16: $1.2M
- FY17: $1.8M
- FY18: $4.5M*

*Fiscal year ends June 30, 2018

GOAL: $300M BY 2020

- UCR: 70%
- BCOE: 87%
Everett and Imogene Ross Term Chair in Computer Science
Ross Family Term Chair in Computer Science

• Gift from Estate of Everett and Imogene Ross, neighbors of Bourns family

• Two term chairs in computer science, match provided by CSE

• Three-year term renewable one time for a total of up to six years

Allen Van Tran Endowed Student Award in Engineering Fund

• Youngest UCR alum to establish an endowment

• Scholarship supporting undergraduate and/or graduate students

• Follow the example set by donors who created scholarships that supported him
## UCR-China Collaboration

- **$2M** over five years (part endowment, part current use)
- To increase the number of **sustained research collaborations** between BCOE faculty and top tier universities in China
- To develop **international educational opportunities** between UCR and China
- To help **bridge the divide between industry and academia** across the two countries

## Winning Proposals for 2018:

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Juchen Guo</td>
<td>$37,500</td>
</tr>
<tr>
<td>(with Nanpeng Yu and David Wong)</td>
<td></td>
</tr>
<tr>
<td>Eamonn Keogh</td>
<td>$25,000</td>
</tr>
<tr>
<td>Huinan Liu</td>
<td>$37,500</td>
</tr>
<tr>
<td>Vagelis Papalexakis</td>
<td>$35,000</td>
</tr>
<tr>
<td>Albert Wong</td>
<td>$35,770</td>
</tr>
</tbody>
</table>

## AVL

- Gift helped develop the **Mobile Emissions Lab** at CE-CERT
- Included emissions testing **instrumentation and software**
THANK YOU DEPARTMENT AND PROGRAM CHAIRS

Xiaoping Hu - Bioengineering
Charles Wyman - Chemical & Environmental Engineering
Walid Najjar - Computer Engineering
Marek Chrobak - Computer Science & Engineering

Ilya Dumer - Electrical & Computer Engineering
Kambiz Vafai - Masters of Engineering Online
Ashok Mulchandani - Materials Science & Engineering
Guillermo Aguilar - Mechanical Engineering
THANK YOU
SENATE COMMITTEE SERVICE

BIEN

Jiayu Liao
Library, Information Technology & Scholarly Communication (Chair)

Victor Rodgers
Committee on Committees

Hyle Park
Graduate Council (Vice Chair)

CSE

Rajiv Gupta
Academic Personnel (Vice Chair) & Grievance Consultation

Tao Jiang
Preparatory Education

Srikanth Krishnamurthy
Committee on Committees

Nael Abu-Ghazaleh
Privilege & Tenure

Stefano Lonardi
Faculty Welfare & Ad Hoc Committee on Student Evaluation of Teaching (Chair)

Michalis Faloutsos
Scholarships and Honors

Mike Pazzani
Research

Mart Molle
Undergraduate Admissions

Christian Shelton
Planning & Budget (Chair) & Executive Council

Vassilis Tsotras
Educational Policy

KK Ramakrishnan
Research

Walid Najjar
University Extension

Eamonn Keogh
Graduate Council

Thomas Payne
Faculty Welfare

Chinya Ravishankar
Special Review on BSAD Major Proposal

ECE

Matt Barth
Physical Resource Planning

Nanpeng Eric Yu
International Education

Amit Roy Chowdhury
Committee on Research (Chair)

Elaine Haberer
Educational Policy

ECE

Heejung Jung
Committee on Courses

Suveen Mathaudhu
Diversity & Equal Opportunity (Chair)

ME

Tom Stahovich
Executive Council

Marko Princevac
Preparatory Education (Ex Officio)

Kambiz Vafai
Resolutions & Jurisdiction (Chair)

Akula Venkatram
Planning and Budget

Reza Abbaschian
Memorial Resolutions

ME

Tom Stahovich
Executive Council

Marko Princevac
Preparatory Education (Ex Officio)

Kambiz Vafai
Resolutions & Jurisdiction (Chair)

Akula Venkatram
Planning and Budget

Reza Abbaschian
Memorial Resolutions
THANK YOU
SENATE COMMITTEE SERVICE

Joint Senate/Administrative Committees

Tom Stahovich
Ad Hoc Committee on Remote Learning, “Hybrid,” and Online Courses (Chair)

Kambiz Vafai
Ad Hoc Committee on Remote Learning, “Hybrid,” and Online Courses

Shaolei Ren
Graduate Academic Integrity Committee

Zhijia Zhao
Graduate Academic Integrity Committee

William Grover
R’Courses Governing Board

Phillip Christopher
Special Review Committee (Admissions by Exception)

Zizhong Chen
Student Services Fee Advisory Committee

Chinya Ravishankar
Transportation & Parking Services Advisory Committee

Systemwide Committees

Rajiv Gupta
Academic Personnel (UCAP)

Suveen Mathaudhu
Affirmative Action, Diversity, and Equity (UCAADE)

Hyle Park
Coordinating Committee on Graduate Affairs (CCGA)

Jiayu Liao
Library and Scholarly Communication (UCOLASC)

Christian Shelton
Planning and Budget (UCPB)

KK Ramakrishnan
Research Policy (UCORP)

Tom Stahovich
Ad Hoc Committee on Remote Learning, “Hybrid,” and Online Courses (Chair)

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Library and Scholarly Communication (UCOLASC)

Christian Shelton
Planning and Budget (UCPB)

KK Ramakrishnan
Research Policy (UCORP)
NOTABLE AWARDS

NSF CAREER Awards

Kelley Barsanti  Juchen Guo  Zak Kassas

Chen Li  Zhijia Zhao

Cengiz Ozkan
John J. Guarrera Engineering Educator Award

Charles Cai
Future Technology Leader Award

Matt Barth
Distinguished Achievement Award

Frank Vahid
Distinguished Achievement Award

Will Grover
Outstanding Engineering Achievement Merit Award

Eamonn Keogh
Outstanding Engineering Achievement Merit Award
NOTABLE AWARDS

Fulbright Awards

Sharon Walker
Ben-Gurion University of the Negev in Beersheva, Israel

Valentine Vullev
University of Sao Paulo in Brazil
NOTABLE AWARDS

BREAKING NEWS

Guillermo Aguilar
Member
National Academy of Engineering in Mexico
<table>
<thead>
<tr>
<th>Achievements</th>
<th>Recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACHIEVEMENTS</strong></td>
<td></td>
</tr>
<tr>
<td>K.K. Ramakrishnan</td>
<td>ACM Fellow</td>
</tr>
<tr>
<td>Alex Balandin, Wei Ren, Charles Wyman</td>
<td>Most Highly Cited Researchers by Clarivate Analytics</td>
</tr>
<tr>
<td>Wei Ren</td>
<td>Named IEEE Control Systems Society Antonio Ruberti Young Researcher Prize</td>
</tr>
<tr>
<td>Nosang Myung</td>
<td>The Electrochemical Society 2018 ECS Electrodeposition Division Research Award</td>
</tr>
<tr>
<td>Kaustabh Ghosh</td>
<td>BrightFocus Foundation Named “Featured Scientist”</td>
</tr>
<tr>
<td>Susan Hackwood</td>
<td>UCR Edward A. Dickson Emeritus Professor</td>
</tr>
<tr>
<td>Kawai Tam</td>
<td>UCR Chancellor’s Award for Excellence in Undergraduate Research and Creative Achievement</td>
</tr>
<tr>
<td>Will Grover</td>
<td>UCR 2018 Junior Faculty Excellence in Teaching Award</td>
</tr>
<tr>
<td>Vagelis Papalexakis</td>
<td>ACM SIGKDD Dissertation Award Distinction</td>
</tr>
<tr>
<td>Ahmed Eldawy</td>
<td>SIGSPATIAL 2017 “Large Scale Analytics of Vector+Raster Big Spatial Data”</td>
</tr>
<tr>
<td>Zak Kassas</td>
<td>IEEE/ION PLANS 2018 Conference “Precise UAV Navigation with Cellular Carrier Phase Measurements”</td>
</tr>
<tr>
<td>Hyoseung Kim</td>
<td>23rd IEEE International Conference on Embedded and Real-Time Computing Systems and Applications Best Paper Award</td>
</tr>
<tr>
<td>Nanpeng Yu</td>
<td>2nd International Conference on Green Communications, Computing and Technologies Best Paper Award</td>
</tr>
<tr>
<td>Vagelis Papalexakis</td>
<td>Best Paper Awards</td>
</tr>
<tr>
<td>Sharon Walker</td>
<td>AEESP Environmental Engineering science Journal Best Paper Award</td>
</tr>
</tbody>
</table>
MAJOR AWARDS

Heng Yin
U.S. DOD: $4.68M
Help protect military software from hackers

Silas Richelson, Michalis Faloutsos, and Nael Abu-Ghazaleh
$3.6M
Smart Campuses

Hamed Mohsenian-Rad
U.S. DOE: $3.2M
New energy management prototype system

Kaustabh Ghosh
National Eye Institute: $1.9M
The role of retinal capillary stiffness in diabetic retinopathy

Dimitrios Morikis
NIH: $1.5M
Discovery of biomarkers for age-related macular degeneration

Heng Yin
ONR: $1.2M
Integrated perception and planning in mobile vision networks
STUDENT SUCCESS

Shivam Kardani, Mher Garibyan & Nolan Winicki
Chancellor’s Research Fellowship Award

Drew Story
AAAS Fellowship

Shirin Haji Amin Shirazi, Saheli Ghosh, Wendy Li & Elise Lin
Awarded scholarships to attend the Grace Hopper Celebration Conference

Vicente Robles
Ford Foundation Fellow

Yan Zhu
Best Paper at ICDM 2017

Nicholas Pham
Goldwater Scholar

Donovan Argueta
Ford Foundation 2018 Dissertation Fellowship
WEDDINGS

John and Nicole (Davis) Cleary
(Dean’s Office & CE-CERT)

Katie Meumann (Dell)
(CE-CERT)
BABIES

Baby Ahaana Frances
Victor Rodgers

Baby Mia Giselle
with big brother Mason Gionni
Robert Godoy & Juana Guerrero

Baby Valentina
Elisa Franco
Honors outstanding faculty who are committed to advancing the teaching profession and engaging students through innovation.

Award Selection Committee
Made up of previous winners

David Cocker
Michalis Faloutsos
Will Grover
Hamed Mohsenian-Rad
Eamonn Keogh
Vassilis Tsotras

2018 Distinguished Teaching Award goes to:

Kawai Tam
(CEE)
RETIRING FACULTY

Susan Hackwood  
(ECE)  
1989 – 2018

Mart Molle  
(CSE)  
1994 – 2018

Ping Liang  
(ECE)  
1991 – 2018