UG and transfer students

Enrollment is stabilizing following last year's record high.
### Graduate acceptances

<table>
<thead>
<tr>
<th></th>
<th>June 2016</th>
<th>June 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master’s</td>
<td>161</td>
<td>85</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>138</td>
<td>124</td>
</tr>
<tr>
<td>Total</td>
<td>299</td>
<td>209</td>
</tr>
</tbody>
</table>
Another strong year for awards!

*Does NOT include estimate for the final weeks of the fiscal year
Fiscal year numbers taken from July
BCOE Grant Awards

Campus-wide increase: 12%

FY12: $28.4M
FY13: $20.6M
FY14: $28.5M
FY15: $29.4M
FY16: $39.4M
FY17: $50M*
FY20: $80-100M

3 years = ~44%

*Includes estimate for the final weeks of the fiscal year
Fiscal year numbers taken from July
8 NEW FACULTY...SO FAR

Asst. Professor, BIEN
Justin Chartron

Asst. Professor, BIEN
Joshua Morgan

Asst. Professor, BIEN
Kevin Freedman

Asst. Professor, CEE
Kandis Gilliard*

Asst. Professor, CEE
Cesunica Ivey*

Asst. Professor, CSE
Silas Richelson

Asst. Professor, CSE
Amr Magdy

Asst. Professor, ECE
TBA**

*Will begin faculty appointment after one-year postdoc
** Will begin faculty appointment January 2018
8 NEW FACULTY: 3 STANDARD

Asst. Professor, BIEN
Justin Chartron

Asst. Professor, BIEN
Joshua Morgan

Asst. Professor, BIEN
Kevin Freedman

Asst. Professor, CEE
Cesunica Ivey*

Asst. Professor, CSE
Silas Richelson

Asst. Professor, CSE
Amr Magdy

Asst. Professor, CEE
Kandis Gilliard*

Photo TBD

Asst. Professor, ECE
TBA**

*Will begin faculty appointment after one-year postdoc
** Will begin faculty appointment January 2018
8 NEW FACULTY: 2 PDEF FELLOWS

Asst. Professor, BIEN
Justin Chartron

Asst. Professor, BIEN
Joshua Morgan

Asst. Professor, BIEN
Kevin Freedman

Asst. Professor, CEE
Kandis Gilliard*

Asst. Professor, CEE
Cesunica Ivey*

Asst. Professor, CSE
Silas Richelson

Asst. Professor, CSE
Amr Magdy

Asst. Professor, ECE
TBA**

*Will begin faculty appointment after one-year postdoc
** Will begin faculty appointment January 2018
8 NEW FACULTY: 3 CLUSTER HIRES

Justin Chartron
Asst. Professor, BIEN

Joshua Morgan
Asst. Professor, BIEN

Kevin Freedman
Asst. Professor, BIEN

Kandis Gilliard*
Asst. Professor, CEE

Cesunica Ivey*
Asst. Professor, CEE

Silas Richelson
Asst. Professor, CSE

Amr Magdy
Asst. Professor, CSE

Photo TBD
Asst. Professor, ECE

*TBD** Will begin faculty appointment after one-year postdoc
** Will begin faculty appointment January 2018
8 NEW FACULTY

Stanford

Justin Chartron
Asst. Professor, BIEN

University of Delaware

Joshua Morgan
Asst. Professor, BIEN

Cal

Kevin Freedman
Asst. Professor, BIEN

Illinois

Kandis Gilliard*
Asst. Professor, CEE

University of Nevada, Reno

Cesunica Ivey*
Asst. Professor, CEE

MIT

Silas Richelson
Asst. Professor, CSE

University of Minnesota

Amr Magdy
Asst. Professor, CSE

Google

TBA**
Asst. Professor, ECE
• **Addressing needs** of tenure track faculty, research faculty, and LSOEs

• **Coordinating, evaluating and improving the academic personnel merit and promotions process**

• **Advising the Dean** on academic files and hiring

• **Collaborating with departments on award nominations**

• **Developing and leading faculty development programs**
BCOE BUDGET ALLOCATIONS

- Depts/ Programs: 86%
- Centers: 2%
- Student Affairs/MESA: 4%
- Dean's Office: 8%

### Budgetary Items

<table>
<thead>
<tr>
<th>Item</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Faculty Salaries/Benefits</td>
<td>18,352,039</td>
</tr>
<tr>
<td>Lecturers</td>
<td>1,319,917</td>
</tr>
<tr>
<td>Staff Salaries/Benefits</td>
<td>6,119,244</td>
</tr>
<tr>
<td>TA-ships</td>
<td>2,901,561</td>
</tr>
<tr>
<td>GSRs</td>
<td>344,692</td>
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<tr>
<td>Supplies/Services, etc.</td>
<td>364,738</td>
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<tr>
<td>ICR</td>
<td>264,999</td>
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<tr>
<td>Initial Comp Funding</td>
<td>1,719,120</td>
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<tr>
<td>GPP</td>
<td>615,400</td>
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<tr>
<td>MSNRT</td>
<td>536,121</td>
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<tr>
<td>Summer Session</td>
<td>144,900</td>
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<tr>
<td>Faculty PC Replacement</td>
<td>34,800</td>
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<tr>
<td>Faculty Recruitment</td>
<td>91,206</td>
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<tr>
<td>Instruc. Equipment</td>
<td>208,732</td>
</tr>
<tr>
<td>Grad Stdnt Recruitment</td>
<td>93,256</td>
</tr>
<tr>
<td>Match/Retention/IAA</td>
<td>583,677</td>
</tr>
<tr>
<td>Conf. Room usage</td>
<td>66,800</td>
</tr>
<tr>
<td>Other</td>
<td>442,769</td>
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<tr>
<td><strong>Grand Total</strong></td>
<td><strong>34,203,971</strong></td>
</tr>
</tbody>
</table>
EXTERNAL RELATIONS TEAM

Jun Wang
Asst. Dean of Strategic Initiatives

Jed Schwendiman
Sr. Director of Development

Development:
BCOE Asst. Director
Status: Underway

Mike Allen
Assoc. Director of Corporate Strategic Partnerships

Angela Meluski
Sr. Marketing & Communications Manager
## NOTEWORTHY GIFTS

### Korea Institute of Materials Science - KIMS
- **Unrestricted seed funding** for proof of concept research
- Innovative materials for **energy and the environment**
- **Collaboration** between UC and KIMS

### Dean’s Innovation Fund
- Initial gift from Susan Hackwood toward **seed funding** for innovative, strategic projects
- **Support** for research projects, leadership development, and student educational experiences
- **Assist** with faculty retention, acquisition of new equipment, brand development and strategic planning

### Reza Abbaschian Endowed Distinguished Lecture Fund
- World-class speakers
- **Enhance knowledge-base and experience** of faculty and students in engineering
- Open to **UCR and Riverside community**
Funding Solution
Philanthropic Donation OR Public-Private Partnership (PPP)

Approved and supported by
• Chancellor
• Provost
• VC of Planning and Budget

Total GSF: 91,525 SF
Total ASF: 54,000 SF

Current Situation
Early conversations with potential Private Partners
BOURNS HALL B REMODEL

Cost: $13M
Approx. 27,000 asf

- 28 labs (26 dry, 2 wet)
- 18 wet
  - 6 dry
  - 4 labs combined = 2 larger wet labs

Improvements

- LEED certification
- Increased wet lab space
- Addition of fume hoods and sinks
- Upgraded and expanded distribution of research-appropriate power
- Lab air re-piping and quality improvements
- HVAC system improvements
- Photovoltaic roof panel installation

Start
July 28, 2016

Phase 1
COMPLETE

Phase 2

Phase 3

Complete
March 17, 2017
THANK YOU
DEPT. & PROGRAM CHAIRS

Bioengineering
Xiaoping Hu

Chemical & Environmental Engineering
Nosang Myung

Computer Engineering
Walid Najjar

Computer Science & Engineering
Marek Chrobak

Electrical & Computer Engineering
Jay Farrell

Masters of Engineering Online
Kambiz Vafai

Materials Science & Engineering
Ashok Mulchandani

Mechanical Engineering
Guillermo Aguilar
<table>
<thead>
<tr>
<th>College</th>
<th>Name</th>
<th>Position/Committee</th>
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<tbody>
<tr>
<td>BIEN</td>
<td>Jiayu Liao</td>
<td>Library, Information Technology &amp; Scholarly Communication</td>
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<tr>
<td></td>
<td>Kaustabgh Ghosh</td>
<td>Research</td>
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<td></td>
<td>Hyle Park</td>
<td>Graduate Council</td>
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<td>CSE</td>
<td>Rajiv Gupta</td>
<td>Academic Personnel &amp; Grievance Consultation</td>
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<tr>
<td></td>
<td>Tao Jiang</td>
<td>Preparatory Education</td>
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<td></td>
<td>Srikanth Krishnamurthy</td>
<td>Committee on Committees</td>
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<tr>
<td></td>
<td>Nael Abu-Ghazaleh</td>
<td>Privilege &amp; Tenure (Chair) &amp; Academic Freedom</td>
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<tr>
<td>ECE</td>
<td>Tom Payne</td>
<td>Faculty Welfare</td>
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<td></td>
<td>Michalis Faloutsos</td>
<td>Scholarships and Honors</td>
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<td></td>
<td>Mike Pazzani</td>
<td>Research</td>
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<td>Mart Molle</td>
<td>Undergraduate Admissions</td>
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<tr>
<td>CSE</td>
<td>Christian Shelton</td>
<td>Planning &amp; Budget (Chair) &amp; Executive Council</td>
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<tr>
<td></td>
<td>Vassilis Tsotras</td>
<td>Educational Policy</td>
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<tr>
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<td>KK Ramakrishnan</td>
<td>Research</td>
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<td>Walid Najjar</td>
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<tr>
<td>ME</td>
<td>Amit Roy Chowdhury</td>
<td>Graduate Council (Vice Chair)</td>
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<td>Elaine Haberer</td>
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<td>Albert Wang</td>
<td>Memorial Resolutions</td>
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<td></td>
<td>Suveen Mathaudhu</td>
<td>Diversity &amp; Equal Opportunity</td>
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<td>Tom Stahovich</td>
<td>Executive Council</td>
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<td></td>
<td>Marko Princevac</td>
<td>Preparatory Education (Ex Officio)</td>
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<td></td>
<td>Kambiz Vafai</td>
<td>Resolutions &amp; Jurisdiction (Chair)</td>
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<tr>
<td>ECE</td>
<td>Matt Barth</td>
<td>Physical Resource Planning</td>
</tr>
<tr>
<td></td>
<td>Ertem Tuncel</td>
<td>Committee on Committees</td>
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<tr>
<td></td>
<td>Daniel Wong</td>
<td>Library, Information Technology &amp; Scholarly Communication</td>
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<tr>
<td></td>
<td>Kambiz Vafai</td>
<td>Resolutions &amp; Jurisdiction (Chair)</td>
</tr>
</tbody>
</table>
BIEN
Bahman Anvari Chair
Victor Rodgers
Kaustabh Ghosh
William Grover
Xiaoping Hu
Jiayu Liao
Huinan Liu
Dimitrios Morikis
Jin Nam
Hyle Park
Jerome Schultz
Valentine Vullev

Data Science Cluster: Big Data in Astronomy
Vassilis Tsotras Chair
Christian Shelton

Data Science Cluster: Genome Data Science
Vassilis Tsotras Chair
Christian Shelton

Data Science Cluster: Statistical Approaches to Big Data
Vassilis Tsotras Chair
Christian Shelton

Human Neuroimaging Cluster
B. Hyle Park Chair
Amit Roy-Chowdhury
Tamar Shinar

Cyber Security Cluster
KK Ramakrishnan Chair
Stefano Lonardi
Nael Abu-Ghazaleh
Jiasi Chen

Computational Materials Cluster
Roger Lake Chair
Elaine Haberer
Alex Balandin
Sinisa Coh
Peter Greaney
Mihri Ozkan

PDEF
Victor Rodgers Chair
Ruoxue Yan
Hamed Mohsenian-Rad
Masa Rao
Heng Yin

CEE
David Cocker Chair
David Jassby
Matt Barth
Jianzhong Wu
Charles Wyman
# Fellows & Achievements

## Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reza Abbaschian</td>
<td>Honorary AIME Member</td>
</tr>
<tr>
<td>Laxmi Bhuyan</td>
<td>Life Fellow IEEE</td>
</tr>
<tr>
<td>Charles Wyman</td>
<td>AIChE Fellow</td>
</tr>
<tr>
<td>Amit Roy-Chowdhury</td>
<td>IAPR Fellow</td>
</tr>
<tr>
<td>Stefano Lonardi</td>
<td>ACM Distinguished Scientist, IEEE Fellow</td>
</tr>
<tr>
<td>Sharon Walker</td>
<td>AEESP Fellow</td>
</tr>
<tr>
<td>Bahman Anvari</td>
<td>BMES Fellow</td>
</tr>
<tr>
<td>Wei Ren</td>
<td>IEEE Fellow</td>
</tr>
<tr>
<td>Jianzhong Wu</td>
<td>AIChE Fellow</td>
</tr>
</tbody>
</table>

## Achievements

- **Guillermo Aguilar**
  - Distinguished Achievement Award

- **Mihri Ozkan**
  - Distinguished Achievement Award

- **Zizhong “Jeffrey” Chen**
  - Outstanding Engineering Achievement Merit Award

- **William Grover**
  - Future Technology Leader Award

- **Suveen Mathaudhu**
  - Outstanding Achievement Merit Award

- **Hyle Park**
  - Outstanding Engineering Achievement Merit Award
ACHIEVEMENTS: CAREER AWARDS

Out of the 10 UC campuses, UCR is tied with UC Berkeley for the HIGHEST NUMBER of active NSF CAREER awards.
ACHIEVEMENTS

Alex Balandin
Thomson Reuters
Highly Cited Researcher
(h-index of 75, 30,989 total citations)

Wei Ren
Thomson Reuters
“Most Influential Scientists” & Honored Alumnus Award, BYU ECE Dept.

Matt Barth
IEEE ITS Society Outstanding Research Award

Bryan Wong
DOE Early Career Award & ACS Outstanding Junior Faculty Award

Frank Vahid
UCR Academy of Distinguished Teachers

Mihri Ozkan
“Climate Global Finalist” at Climate Launchpad 2016

Jay Farrell
Vice President, American Automated Control Council

Guoyuan Wu
Finalist, Best of ITS America Awards “Wheels and Things”

Sheldon Tan
Editor-in-Chief of Integration, the VSLI Journal

Zak Kassas
Associate Editor for IEEE Transactions on Aerospace and Electronic Systems

MSOL Top Lecturer

Tom Fryer
OUTSTANDING PAPERS

Fabio Pasqualetti
IEEE Transactions on Control of Network Systems
Outstanding Paper Award
“Controllability Metrics, Limitations and Algorithms for Complex Networks”

Nael Abu-Ghazaleh & Israat Tanzeena Haque
IEEE ICNP Conference

Zak Kassas
ION GNSS Conference
Two Best Paper Presentation Awards

Qi Zhu
53rd Annual Design Automation Conference
“Security-Aware Design Methodology and Optimization for Automotive Systems”

Hyoseung Kim
Nominated at EMSOFT
“Real Time Cache Management for Multi-Core Virtualization”

Dr. Guanxiong Liu (POEM)
SRC-DARPA Project Review and Workshop
Best Poster Award for 2-D Materials
Charles Cai & Charles Wyman w/ ORNL
JACS
“Local Phase Separation of Co-solvents Enhances Pretreatment of Biomass for Bioenergy Applications”

Wei Ren
IEEE Control Systems Magazine

Alex Balandin Group
U.S. Department of Energy

Dr. Mahesh R. Neupane
Roger Lake Group Alumni
U.S. Army Research Lab

Zak Kassas
“Non-GPS Navigation for UAVs and Ground Vehicles”

Nature
Co-Author: Stefano Lonardi

GPS World Magazine
Author: Zak Kassas

Journal of Chemical Information & Modeling
Author: Dimitrios Morikis w/ Zeid Gaieb

Journal of Physical Chemistry Letters
Author: Kelley Barsanti & Team

IEEE Transactions on Image Processing
Author: Asongu Tambo and w/ Bir Bhanu
MAJOR AWARDS

Matt Barth
ARPA-E: $3.2M
Smart Buses

Eamonn Keogh
NSF NRT: $1.9M
Graduate training program in computational entomology

Shane Cybart
MRPI: $1.9M
Sensors transporting electrical currents through high-temperature superconductors

Daniel Wong & Nanpeng Yu
CEC: $1.8M
Energy efficiency, demand response in smart power distribution systems

Nanpeng Yu
CEC: $1.12M
With Lawrence Livermore National Laboratory on smart grids

Qi Zhu
NSF: Nearly $1M
Cyber-Physical Systems grants

Elisa Franco
DOE & DARPA: Nearly $1M
DNA nanostructures, Closed-loop RNA-based PID control
GRADUATE STUDENT SUCCESS

Joe Khalife
Riverside Campus NCST
Outstanding Graduate Student of the Year

Joe Khalife & Kimia Shamer
Best Student Paper Award in IEEE/ION PLANS 2016 Conference

Joshua Morales & Paul Roysdon
Best Paper Presentation Award at ION GNSS+ 2016

Danyang Tian & Fei Ye
Women in Transportation scholarships totaling $8K

Ahmed Darki
Best Paper Award at ACM CoNext 2016 Student Workshop

Brian Estrada & Maher Zaher & Mohammed Taymour
Guthrie Award

Jiacheng Yang
William R. Pierson/Ford Graduate Fellowship

Partho Roy
Colin E. Hackett Endowed Engineering Research Award

Robert Espinoza
Ford Undergraduate Scholarship Award

Yu Jiang
Esther F. Hayes Graduate Fellowship Award

Patrick Roth & Priyanka Singh & Jiacheng Yang
Hays Award

Xuewei Qi (1st) & Lijie Li (2nd)
Southern California Chinese American Environmental Protection Association Awards

Thomas Dugger & Melina Fuentes-Garcia & Sarah Allec
NSF GRFP Fellowships

Ninad Kothari
Pierson Award

UC-Light
Three NSF IRES undergraduate papers presented at SCCUR

Matthew Ealy
Ford UG Award

Drew Story
AAAS Poster Competition; Feature in Science

Hira Yoshihara
Terry McManus Outstanding Student Award

Fei Ye
Hackett Award

Fariborz Kargar
SHINES Best Poster Award

Graduate student faculty appointments
WEDDINGS AND BABIES – OH MY!

WEDDINGS

Daniel Wong - ECE

Haizhou Liu - CEE

BABY BOOM!

CEE  CSE  ECE  ME  MSE
III   I    III   I    I

CONGRATS

Ruoxue & Ming
Elaine & Masa
Tamar S.
Christina G.

Yanran L.
Salman A.
Sharon W.
Distinguished Teaching Awards

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
- Ilya Dumer
- Eamonn Keogh
- Vassilis Tsotras

**Honorable Mentions**

- **Stefano Lonardi**
  (CSE)

- **Suveen Mathaudhu**
  (ME & MSE)
“Both Hamed and William share exceptional levels of teaching, many extracurricular activities and highly innovative teaching techniques.”
DISTINGUISHED SERVICE AWARDS

Nosang Myung (CEE)
April 2011 – June 2017

Jay Farrell (ECE)
July 2011 – June 2017
THANK YOU

BCOEDEAN@ENGR.UCR.EDU