

# COLLEGE OF ENGINEERING

*ANNUAL FACULTY MEETING*

*May 16, 2007*

# Meeting Minutes

- UNIVERSITY OF CALIFORNIA      DAVIS  
    VOLUME XXXVIII, NO. 3
- ACADEMIC SENATE
  - MINUTES
  - REGULAR MEETING
  - FACULTY OF THE COLLEGE OF  
    ENGINEERING (DAVIS)
    - May 16, 2007

# Order of Business

1. Announcements by the President, Robert Dynes (none)
2. Announcements by the Chair, Ross Boulanger (Niels Jensen CXC representative)
3. Announcements by Dean, Enrique J. Lavernia (slides to follow)
5. Special orders (none)

# Warren and Leta Giedt Hall

- Dedicated March 12, 2007
- \$7.5 million state-of-the-art 15,000 sq. ft. classroom building
- Classrooms and three lecture theaters
- Funded by:
  - \$2.5 million gift from College of Engineering Professor Emeritus Warren Giedt and his wife Leta Giedt
  - \$400,000 gift from UC Davis alumnus and former geology lecturer Rand Schaal and his father, Ted Schaal



# Picnic Day 2007



Winning Engineering  
Parade Float



Meet the Deans Tent

Prepared for Rain



Engineering  
Alumni BBQ



# Bruce C. Gates Elected to National Academy of Engineers

*Dean's Distinguished  
Lecturer – May 2,  
2007*

*Distinguished  
Professor,*

*Department of  
Chemical Engineering  
and  
Materials Science*



# Award

Zuhair A. Munir,

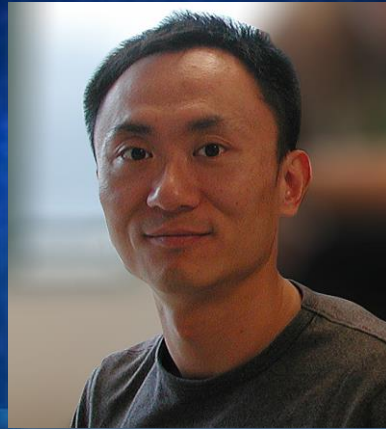
Distinguished Professor  
of Materials Science,  
recipient of the 2007  
UC Davis Prize for  
Undergraduate Teaching  
and Scholarly Achievement



# NSF Faculty Early Career Development Awards 2006-07



Asst. Professor  
Valeria La Saponara



Asst. Professor  
Hao Chen

Prestigious five-year NSF award supports early career development activities of teacher-scholars



# New CS Chair

Prasant  
Mohapatra



# Open Faculty Searches

1	(Teller Chair)	AS
2	(Foods for Health)	BAE, BME, ChEMS
1	(Energy for the Future)	BAE
1	(Center for Mind & Brain)	BME
1	(Biological Networks)	BME
1	(Energy for the Future)	ChEMS
1	(Transmission Electronic Microscopy)	ChEMS
1	(structural)	CEE
1	(air quality)	CEE
1	(Energy for the Future)	CEE, MAE
1	(Biological Networks)	CS
1	(Universe@UC Davis)	CS
1	(chair)	ECE
1	(Energy for the Future)	MAE
1	(Energy Institute Director)	(TBD)

**16 TOTAL**

# Faculty Hires Since October 31, 2006

1. **Walter Harris** (to be Associate Professor in the Department of Applied Science) Ph.D., 1993, University of Michigan  
**Research:** Study of comets and their tails; physics and chemistry of planetary atmosphere; the development of remote sensing instrumentation for NASA.
2. **Adam J. Moule** (to be Assistant Professor in the Department of Chemical Engineering & Materials Science) Ph.D., 2003, UC Berkeley  
**Research:** Nuclear magnetic resonance (NMR) measurements; solar cell energy research at the nanoscale.
3. (Tentative) **Alexandre K. da Silva** (expected to accept an Assistant Professor position in the Department of Mechanical and Aeronautical Engineering soon), Ph.D., 2005, Duke University  
**Research:** Study of heat, mass and fluid flow in energy generation and conversion systems.

# Undergraduate Highlights

## ABET Accreditation Evaluation

- Conducted November 5-7, 2006
- No deficiencies identified, so 11 programs will be re-accredited
- Optical Science and Engineering will become accredited
- Some weaknesses in objectives and outcomes assessment
- Due process responses to draft report sent to ABET on May 1
- Final report from ABET will be received in August

# Undergraduate Highlights

## Fall 2007 Admissions

- Freshman applications up 3.5%, transfer applications down 2.1%
- Acceptances granted to 59% of UC-eligible freshman applicants, target 700 enrolled
- Acceptances granted to 42% of transfer applicants, target 100 enrolled

# Graduate Student Highlights

## Fall 2007 Admissions (to date)

- 13% increase in total number of applications
- International applications up to 71% from 64% of total
- Increase in applications for all but one department  
(18% decrease in BME)
- Highest application increase in CS: 26%
- 20% increase in AS, BAE, CHMS applications

# New Major Gifts

- \$25,000 from HDR, Inc. for Edward and Mary Schroeder Fund, CEE
- \$25,000 for Wood Rodgers, Inc. Scholarship, CEE
- \$50,000 for Farrer/Patten Award, CEE
- \$50,000 for Arthur and Julia Suran Scholarship
- \$90,000 from Chevron for MAE, ChEMS, Dean's Office, etc.
- \$240,000 from DTL Corporation for Professor Yamazaki
- \$281,382 from Novartis (in-kind), ChEMS
- \$500,000 from Sempra Energy for EEC

# Reports from Standing Committees

- B. Committee on Student Petitions, Ron Hess, Chair
- C. Committee on Undergraduate Educational Policy, Denise Krol, Chair
- D. Awards Committee, Tim Ginn, Chair  
(Khaled Abdel-Ghaffar, representative)



# Reports continued ....

E. Research and Library Committee,  
Sashi Kunnath, Chair

(Brian Kolner, representative)

F. Committee on Graduate Study,  
Tonya Kuhl, Chair

G. Committee on Student  
Recruitment, Development, and  
Welfare, Tom Young, Chair

# Order of Business continued ...

8. Petitions of students (none)

9. Unfinished business (none)

10. New business (none)

Secretary

Faculty of the College of Engineering

# Standing Committees

## 2007/08

### Executive Committee

Applied Science

Niels Jensen

BAE

Richard Plant

BME

Katherine Ferrara

ChE/MS

Ron Phillips

CEE

Tom Young

CS

Matt Bishop

ECE

Paul Hurst

MAE

Ron Hess

# Student Recruitment, Development and Welfare

Applied Science

Yin Yeh

BAE

Jean VanderGheynst

BME

Kent Leach

ChE/MS

Subhash Risbud

CEE

Jeannie Darby

CS

Dipak Ghosal

ECE

Zhi Ding

MAE

Kazuo Yamazaki

# Student Petitions

Applied Science

Denise Krol

BAE

Bruce Hartsough

BME

Yohei Yokobayashi

ChE/MS

Pieter Stroeve

CEE

Bassam Younis

CS

Matt Franklin

ECE

Nazli Gundes

MAE

Ron Hess

# Undergraduate Educational Policy

Applied Science

Hector Baldis

BAE

Raul Piedrahita

BME

Angie Louie

ChE/MS

James Shackelford

CEE

John Bolander

CS

Norm Matloff

ECE

Kent Wilken

MAE

Roger Davis

# Awards Committee

Applied Science

Walter Harris

BAE

Dave Slaughter

BME

Craig Benham

ChE/MS

Bruce Gates

CEE

Tim Ginn

CS

Xin Liu

ECE

Khaled Abdel-Ghaffar

MAE

Mohamed Hafez

# Research and Library

Applied Science

BAE

BME

ChE/MS

CEE

CS

ECE

MAE

Brian Kolner

Uriel Rosa

Jinyi Qi

Sabyasachi Sen

Dawn Cheng

Nelson Max

Ben Yoo

Mont Hubbard



# Graduate Study

Applied Science

Ann Orel

BAE

Jean VanderGheynst

BME

Tonya Kuhl

ChE/MS

Marjorie Longo

CEE

Sashi Kunnath

CS

Prasant Mohapatra

ECE

Khaled Abdel-Ghaffar

MAE

Harry Cheng