

SPRING 2009

## DEPARTMENT NEWS

### Professor Gert Lanckriet Featured in Local News Outlets



Professor Lanckriet was interviewed on the San Diego 6 evening news and the online newspaper, [voiceofsandiego.org](http://voiceofsandiego.org), for his collaboration with ECE graduate students on an experimental music search engine. Searches will be based on music genres, instruments and feelings conveyed by the songs rather than artist or song names. A game they developed to collect data, HerdIt, was launched on Facebook in mid-April. Test your musical knowledge on [www.HerdIt.org](http://www.HerdIt.org).

### ECE Professors and Colleagues Awarded Grants for Research

Professors Paul Siegel and Alex Vardy are the recipients, along with Los Alamos National Laboratory colleagues Dr. N. Santhi and Dr. M. Chertkov, of a three-year grant for research on "Coding, Detection, and Inference in Multiple Dimensions", as part of the UC Lab Research Program. The project addresses problems in multi-dimensional data representation and coding, as well as detection and inference on graphical models of multi-dimensional storage and transmission channels. The grant is one of 9 awarded to UCSD.



Professors Ed Yu and Farrokh Najmabadi and UC Davis Professor, Pieter Stroeve, will use a two-year, \$700,000 grant from the California Energy Commission to expand the development and use of solar energy in the state. The new California Solar Energy Collaborative will collect and critically analyze existing solar research; facilitate research in gap areas where existing data are insufficient;

and develop consensus among key solar stakeholders based on this research by tracking the evolving landscape of solar technology development and use in California. This new collaborative is also intended to help California achieve an ambitious target of installing 3,000 megawatts of solar in California by 2017.

## RECENT GRADS

### Ph.D.



(Clockwise from top left)

**Dr. Tiku Yu** Design, Characterization and Packaging of 24 GHz CMOS Phased Array Receivers  
**Dr. Saumya Chandra** Variability-Aware System-Level Design and Analysis;  
**Dr. Sourobh Raychaudhuri** Toward Nanowire Devices and Systems: Heterostructure Design and Dielectrophoretic Integration;  
**Dr. Zheng Wu** Channel Modeling Signal Processing and Coding for Perpendicular Magnetic Recording Channels;  
**Dr. Shoubhik Mukhopadhyay** Enabling Rich Applications and Reliable Data Collection in Embedded Wireless Networks with Low-Footprint Device;  
**Dr. Erik Marshall Murphy-Chutorian** Vision-based Head Pose Estimation and Interactivity Analysis: Algorithms, Systems and Evaluation  
**Not Pictured: Dr. Daniel Derkacs** Scattering Properties of Nanostructures: Applications to Photovoltaics

### Master of Science



(Left-Right)

**Liyang Xu; Sahar Idrees; Yuan Zhi; Andy Pin Li Chen**  
**Not Pictured: James Andrew Wren; Phillip S Lee**

## Professor Paul Yu Appointed to the Position of Associate Vice Chancellor - Research Initiatives.



Professor Yu will join the Office of Research Affairs, assisting the development and implementation of a strategic vision for UCSD research initiatives, including new programs to support large interdisciplinary projects, advance technology transfer, and expand undergraduate research at UCSD.

## Professor Rene Cruz Receives INFOCOM Achievement Award



Professor Cruz is the recipient of the 2009 INFOCOM achievement award from the IEEE Communication Society. This prestigious award recognizes Professor Cruz` contributions in the area of communication networks. The award was announced at the 2009 IEEE INFOCOM Conference, the IEEE flagship conference which addresses key topics and issues related to computer communications, with emphasis on traffic management and protocols for both wired and wireless networks.

Keep informed and check out the following websites for ECE Department news and updates:

<http://www.ece.ucsd.edu/highlight/>

<http://www.ece.ucsd.edu/news/>

## ALUMNI NEWS

*Send your news and professional accomplishments to [alumni@ece.ucsd.edu](mailto:alumni@ece.ucsd.edu) and visit our website at <http://ece-alumni.ucsd.edu/>*

**Mihri Ozkan, Ph.D. '01**, received the "National Medal for Engineering Science Young Investigator Award" from the Society of Engineering Science. Mihri is an Associate Professor of Electrical Engineering at UC Riverside Bourns College of Engineering.

## What's New

### FACEBOOK

Stay connected to the ECE Department and become a part of the growing community of ECE alumni and current students. Join our Facebook group at:

<http://www.facebook.com/group.php?gid=154542400424>

## CALENDAR

### 2009 UC San Diego

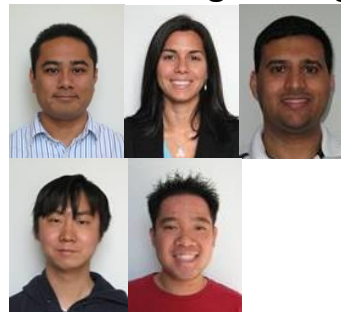
#### Alumni Weekend

June 4 – 7, 2009

Come back to campus, enjoy the best of UCSD, and be a part of this exciting new tradition featuring reunions, lectures, tours, receptions, exhibitions, performances, and an awards gala.

For more information, visit: [alumni.ucsd.edu/alumniweekend](http://alumni.ucsd.edu/alumniweekend)

## Master of Engineering



(Left-Right) Top row: **Eldridge Alcantara;**  
**Alexandra Bauche;** **Ameen Aslam**

Bottom row: **Song Sun;** **Philip Gia-Phu Dinh**

Not Pictured: **Chu Pang Alex Ng;**  
**Radhika J Deshpande;** **Aniket G Palekar;**  
**Divya D Patel;** **Jeremy D. Furtek;** **Chun-Chen Liu;** **Liang Chen**

## Bachelor of Science

### Fall 2008 and Winter 2009

Electrical Engineering

**Michael Chipp**

**Gavrilinos Gavrielides**

**Jason Glover**

**Hugo Groening**

**Chang Han**

**Ryan Honor**

**Justin Honsinger**

**Saheed Inawo**

**JaeYong Kim**

**Christopher Ludolph**

**John Moffatt**

**Bunreth Nhong**