

National Engineers Week San Diego 2014 Awards Banquet

Friday February 28, 2014, 6–9:30pm
The Forum at Hahn University Center
University of San Diego Campus
5998 Alcalá Park, San Diego, CA 92110
(Free parking at the Mission Parking Structure
at Main Entrance after 5pm)

Keynote Speaker:
Dr. Todd P. Coleman



“Smart Skin Sensors
and Analytics in the
Cloud to Advance the
Frontiers of
Wearable Health”

Company Table of 8: \$500
Corporate Table of 8: \$1000
Company Sponsored Table of Eight:
\$500 (Includes a priority seating, program
inside only recognition, website posting.)
Corporate Sponsor Table of Eight:
\$1000 (Includes designation and public
recognition as "Corporate Sponsor of
National Engineering Week", display table,
priority seating, program cover and inside
recognition, NEW website recognition.)

Meal Selections, Names, Phone #'s
Meals: Roasted Wild Salmon,
Roasted Chicken, or Mushroom Ravioli
Make checks payable to: CSPE/NEW-SD
Mail checks to: Ken Discenza,
888 Brockton Street, El Cajon, CA 92020

RSVP TO:

Ken Discenza, CSPE/NEW-San Diego
(619) 442-8467

sitedesign@sda-pe.com

DISCOVER 
ENGINEERS WEEK
FEBRUARY 16-22, 2014

NEW 2014 THEME: Discover "e": Let's Make a Difference.

National Engineers Week in San Diego 2014
February 16th – 22nd

The National Engineers Week Foundation is a formal coalition of more than 100 professional societies, major corporations and government agencies dedicated to ensuring a diverse and well-educated future engineering workforce. This is done by increasing awareness and interest in engineering and technology careers among young students and by promoting pre-college literacy in math and science. National Engineers Week (NEW) also raises public understanding and appreciation of engineers' contributions to society. Although NEW is a nation wide event, each major county puts together their own EWeek and San Diego county does just that. The week in San Diego has many events with the culmination being the awards banquet which sponsored by the San Diego County Engineering Council (SDCEC) and hosted on the beautiful campus of the University of San Diego (USD) at the Forum at Hahn University Center.

Last year's contributing societies were:

AIAA	American Institute of Aeronautics and Astronautics
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating and Refrigeration Engineers
ASME	American Society of Mechanical Engineers
ASQ	American Society for Quality
CSPE	California Society of Professional Engineers
IEEE	Institute of Electrical and Electronic Engineers
NSBE	National Society of Black Engineers
SAME	Society of American Military Engineers
SDSU	San Diego State University
SEAOSD	Structural Engineers Association of San Diego
SHPE	Society of Hispanic Professional Engineers
SME	Society of Manufacturing Engineers
SWE	Society of Women Engineers
USD	University of San Diego

Each year one of the many professional engineering societies leads the committee to put on National Engineers Week. This year the general chair is the Institute of Electrical and Electronic Engineers (IEEE) and the theme is: **"Discover 'e': Let's Make a Difference."** This year's San Diego National Engineers Week will have events such as Engineers Day at Grossmont Mall and MATHCOUNTS at UCSD to go along with the Awards Banquet.

The awards banquet will take place on Feb 28th at the University of San Diego (USD). Along with dinner, the night will include presenting awards to individual and organizations from the San Diego County region in the categories of:

- **Outstanding Engineer**
- **Outstanding Engineering Educator**
- **Outstanding Engineering Project**
- **The Dr. Thomas Avolt Kanneman Outstanding Engineering Service Award**

Keynote Speaker: Dr. Todd P. Coleman, Associate Professor, Bioengineering, UCSD
"Smart Skin Sensors and Analytics in the Cloud to Advance the Frontiers of Wearable Health"

Dr. Coleman will discuss recent efforts by his research group in combining skin-integrated wearable sensors with multi-modal analytics algorithms that can be efficiently implemented in the cloud. The end result is a suite of human-computer interface applications that on the one hand, blur the distinction between man and machine, while on the other, promotes humans and computers playing to their individual strengths. Some examples will be provided within the context of perinatal health and chronic disease management.

Todd P. Coleman received B.S. degrees in electrical engineering (summa cum laude), as well as computer engineering (summa cum laude) from the University of Michigan. He received M.S. and Ph.D. degrees from MIT in electrical engineering, and did postdoctoral studies at MIT in neuroscience. He is currently an Associate Professor in Bioengineering at UCSD, where he directs the Neural Interaction Laboratory and co-Directs the Center for Perinatal Health. His research is highly inter-disciplinary, lying at the intersection of bio-electronics, medicine, and machine learning. He is conducting research in wearable health by wedding his research group's expertise in large-scale analytics with their recent development of "epidermal electronics", featured in Science in 2011. Current applications of those synergies include perinatal health, chronic disease management, and cognitive monitoring during aging. Dr. Coleman is a science advisor for the Science & Entertainment Exchange (National Academy of Sciences) and his research has been featured on CNN, BBC, and the New York Times.