The American Society for Engineering Education

Reaching Tomorrows’ Engineering Today<sup>sm</sup>

March 23, 2019
WiFi instructions

Log on to UEguest

Username: asee
Password: fwvzfmjz
On behalf of President Christopher M. Pietruszkiewicz, Provost Michael Austin and College of Engineering and Computer Science dean Ying Shang, welcome to the campus of the University of Evansville for the 2019 Illinois Indiana Section Meeting of the American Society for Engineering Education.

Originally founded as Moores Hill Male and Female Collegiate Institute in 1854, University of Evansville moved to its present location in 1919 as a liberal arts and science institution. The cooperative engineering program was added in 1920, where academic work and experiential learning were alternated. Early growing pains and a pause in the program were ameliorated by a relationship with Purdue University, leading to the reestablishment of the cooperative engineering program in 1947. Evansville College became The University of Evansville in 1967. The college of engineering and computer science moved to its present location from the main administration building in 1978. This new facility was named after the Koch family in 1984, when the College of Engineering and Computer Science was established in its current form.

The faculty in the University of Evansville College of Engineering and Computer Science are active in the American Society for Engineering Education at the national level, and are excited to host this year’s conference of the Illinois Indian Section. Welcome to Evansville!

Peter L. Schmidt, PE, PhD
Conference Organizational Chair
## Schedule of Events

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Student Competition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>March 22</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00 - 6:30 p.m.</td>
<td><strong>Workshop</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Safe Zone Ally Training, Level 1 – Location announced via email.</em></td>
<td></td>
</tr>
<tr>
<td><strong>March 23</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 - 8:45 a.m.</td>
<td><strong>Registration and Welcome</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Eykamp Hall, Rooms 251-252</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Breakfast – Sponsored by CHA Consulting and AMERICA MAKES</em></td>
<td></td>
</tr>
<tr>
<td>8:50 - 10:05 a.m.</td>
<td><strong>Paper Session</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Student Success and Assessment</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Eykamp Hall, Room 254</em></td>
<td></td>
</tr>
<tr>
<td>10:05 - 10:15 a.m.</td>
<td><strong>Break – Sponsored by The University of Southern Indiana</strong></td>
<td></td>
</tr>
<tr>
<td>10:20 - 11:35 a.m.</td>
<td><strong>Workshop</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Girls Who Code</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Eykamp Hall, Room 255</em></td>
<td></td>
</tr>
<tr>
<td>11:40 a.m. -</td>
<td><strong>Poster Session</strong></td>
<td></td>
</tr>
<tr>
<td>12:30 p.m.</td>
<td><em>Eykamp Hall, Room 255</em></td>
<td></td>
</tr>
<tr>
<td>12:30 - 1:45 p.m.</td>
<td><strong>Keynote Speaker</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stephanie Farrell, Rowan University, President ASEE</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Strategies for Building Inclusive Classrooms in Engineering</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Eykamp Hall, Room 251-252</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Lunch Sponsored by ALCOA</em></td>
<td></td>
</tr>
<tr>
<td>1:50 - 3:05 p.m.</td>
<td><strong>Paper Session</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Innovation in the Curriculum</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Eykamp Hall, Room 254</em></td>
<td></td>
</tr>
<tr>
<td>3:05 - 3:15 p.m.</td>
<td><strong>Break – Sponsored by Accuride</strong></td>
<td></td>
</tr>
<tr>
<td>3:20 - 4:35 p.m.</td>
<td><strong>Workshop</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Girls Who Code</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Eykamp Hall, Room 255</em></td>
<td></td>
</tr>
<tr>
<td>4:50 - 5:00 p.m.</td>
<td><strong>IL - IN Section Business Meeting, Awards and Door Prizes</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Eykamp Hall, Room 251-252</em></td>
<td></td>
</tr>
</tbody>
</table>
Breakfast Speakers

Peter L. Schmidt, PE, PhD

Peter L. Schmidt earned his bachelor’s degree in mechanical engineering from the University of Louisville, a master’s degree in mechanical engineering from the Rose-Hulman Institute of Technology, and his doctorate in mechanical engineering from Vanderbilt University. He is currently an associate professor at the University of Evansville. Schmidt was previously appointed as an associate professor at the University of North Carolina at Charlotte. He has served as a research associate and as an instructor at Vanderbilt University. He has also worked at the Naval Surface Warfare Center in Crane, Indiana; at Precision Rubber, now part of Parker Hannifin in Lebanon, Tennessee; for CDAI in Atlanta, Georgia, and at UTC / Carrier in Lewisburg, Tennessee.

Schmidt is a member of the ASEE and a licensed professional engineer in Tennessee and Georgia. He is also a member of ASME, ASA, and INCE.

Schmidt’s research interests include aeroacoustics and ultrasonics, and he has authored several journal and conference papers on these subjects. Dr. Schmidt is past chair of the Design in Engineering Education Division (DEED) of ASEE and is currently serving as chair of the ASEE Professional Interest Council (PIC) II on the ASEE board of directors.

Gene Wells

Gene Wells earned his Bachelor’s degree from Eastern Illinois University, Charleston, IL, with a double major in special education and elementary education. He has a master’s degree in higher education administration from Southern Illinois University-Carbondale, Carbondale, IL, and a master’s degree in marriage and family therapy from Mercer University, Macon, GA.

Since August 2003, he has been at the University of Evansville Center for Career Development and was named senior director in 2012. He spent the previous 10 years as the assistant director of career services at Mercer University in Macon and Atlanta, GA. Prior to his career change to higher education, Gene had approximately 12 years in banking, management, and education.
Ying Shang, PhD

Ying Shang is the first female dean of the College of Engineering and Computer Science. She earned her PhD and master’s degrees in electrical engineering from the University of Notre Dame, and her bachelor’s degree in control engineering from Shandong University. Her research areas include discrete-event systems, max-plus linear systems, and hybrid systems with applications in queueing networks, manufacturing systems, and transportation networks. She was the department chair of electrical and computer engineering at Southern Illinois University in Edwardsville from 2015 to 2018. During Shang’s term as the department chair, she fostered faculty growth in teaching and research, improved communication, secured ABET accreditation, established industrial partnerships, and created a process of launching entrepreneurial incubator/accelerator for startups to help Southern Illinois. Shang also served as faculty advisor for the Society of Women Engineers Student Chapter at Southern Illinois University of Edwardsville and initiated the first annual Introduce a Girl to Engineering event at the university.

Stephanie Farrell, PhD

Stephanie Farrell, professor and founding chair of the Department of Experiential Engineering Education in the Henry M. Rowan College of Engineering at Rowan University, Glassboro, New Jersey, is the current president of ASEE. Farrell has a long history of being an effective engineering education faculty member and is a champion of international collaboration. She has been an active member of ASEE since 1997 and previously has been elected twice to the Board of Directors, serving most recently (2012-14) as vice president of Member Affairs and first vice president. She has received ASEE’s National Outstanding Teaching Award and ASEE’s National Quinn Award for Engineering Education, and she was elected Fellow of the Society in 2015.

Farrell earned her bachelor’s degree from the University of Pennsylvania, her master’s from the Stevens Institute of Technology, and her PhD from the New Jersey Institute of Technology, all in chemical engineering. She was a faculty member in Chemical Engineering at Louisiana Tech University for two years before joining the new College of Engineering at Rowan University in 1998, where she played a key role developing the Chemical Engineering program. She was in the Chemical Engineering department until 2017, when she launched the Department of Experiential Engineering Education.
Panel Discussions

What do employers value in engineering graduates?

Moderator  Gene Wells

Panelists  David Thomason ’85, M’10  
Technical Superintendent  
Central Engineering Services  
Alcoa Corp. Warrick Operations  

Craig Kessler ’85  
Senior Vice President Engineering-Wheels  
Accuride Corporation  

Mary Kerstein, P.E. ’09  
Project Manager  
CHA – Design/Construction Solutions  

Joseph D. Sloan P.E., ENV SP ’01  
Deputy Director, Utilities - Engineering Services  
EWSU Engineering Department  

How to be more involved in ASEE

Moderator  James Canino, Trine University

Panelists  Charles McIntyre, IUPUI  
Thomas Trusty, Trine University  
Patricia Fox, IUPUI  
Peter Schmidt, University of Evansville  

Student Assistant Groups

American Science of Mechanical Engineers (ASME)  
Institute of Electrical and Electronics Engineers (IEEE)
Distinguished Speaker

Challenges and Opportunities of Teaching Focused Faculty Careers

Jennifer Amos, PhD

Amos was named the 2018 ASEE IL-IN Section Teacher of the Year. She joined the Bioengineering Department at the University of Illinois in 2009 and is currently a teaching associate professor in bioengineering and an adjunct associate professor in educational psychology. She earned her bachelor's in chemical engineering at Texas Tech and PhD in chemical engineering from University of South Carolina. She completed a Fulbright Program at Ecole Centrale de Lille in France to benchmark and help create a new hybrid masters program combining medicine and engineering and also has led multiple curricular initiatives in Bioengineering and the College of Engineering on several NSF funded projects.

Professional Faculty Workshop

Tips for Professional Track Faculty: Students’ Learning Preferences and Professors’ Teaching Methods

John Aidoo, PhD

John Aidoo is an award-winning professor with a passion for teaching. The current holder of the Roland E. Hutchins Faculty Chair in Civil Engineering, Aidoo has worked as a structural engineer in his native country of Ghana, as well as for the South Carolina Department of Transportation. He is a recipient of the Dean's Outstanding Teacher Award, a co-advisor for the Rose-Hulman chapter of Engineers Without Borders, and a faculty mentor for the American Society of Civil Engineering's Excellence in Civil Engineering Education program. In addition to teaching at Rose-Hulman, Aidoo has worked with elementary- and middle-school teachers to implement STEM projects in their classrooms, and is assistant director of the institute’s Operation Catapult summer program, which provides high-school seniors the opportunity to explore their STEM interests.
Since 1888, the people of Alcoa created innovative and sustainable solutions that move the world forward. This kind of operating excellence takes a diverse team, made up of highly motivated people with the desire to succeed.

If you are seeking an opportunity to achieve, a home for your career, and a work environment that values creativity, diversity, and initiative, consider joining our team.

To learn more about career opportunities at Alcoa, go to: https://www.alcoa.com/careers.
K-12 Outreach Workshops

Girls Who Code

Kathrine Chandler, PhD

Kathrine Chandler graduated from the University of Florida with a BS in nuclear engineering sciences and attended Cornell University for her PhD. Upon graduation from Cornell, she continued on at Cornell as a postdoc. After completing her postdoctoral appointment, Chandler joined the faculty of the Physics department at Idaho State University, and also served as the assistant director of the Idaho Accelerator Center at Idaho State University. Areas of specialization include electromagnetics, plasma physics, X-ray spectroscopy, pulsed power, and high-energy-density physics.

Chandler became interested in Girls Who Code while introducing her young daughter to coding and seeing how beneficial introducing girls to coding at a young age could be.

First Robotics

Chris Osborne

Chris Osborne grew up in southern Indiana and is a graduate of Indiana University with a background in Education and Non-Profit Management. After teaching social studies and coaching varsity soccer for ten years, Chris leveraged his experience as a business owner, teacher, and non-profit executive to help schools and communities to expand their opportunities to provide experiential STEM programs for kids of all ages.
Technical Paper Sessions

8:50 - 10:05 a.m.

**Student Success and Assessment**

Student Success and Retention from the Perspectives of Engineering Students and Faculty
Amy Chan-Hilton, University of Southern Indiana

Instructor and Student Experiences with In-Class Polling Options
Julie Mendez, Indiana University-Purdue University Columbus

A Critical Look at Mechanical Engineering Curriculum: Assessing the Need
Yeow Siow, University of Illinois at Chicago
Jamison Szwalek, University of Illinois at Chicago
Jonathan Komperda, University of Illinois at Chicago
Houshang Darabi, University of Illinois at Chicago
Farzad Mashayek, University of Illinois at Chicago

Course and Exam Statistics in Electrical Engineering
Dick Blandford, University of Evansville
Mark Randall, University of Evansville
Jessica Lofton, University of Evansville

Student-Faculty Connection and STEM Identity in the Flipped Classroom
Adrian P. Gentle, University of Southern Indiana
William Wilding, University of Southern Indiana

10:20 - 11:25 a.m.

**Innovation in the Curriculum**

Writing Children’s Stories to Improve Engineering Student’s Communication with Non-Engineering Audiences
Benjamin D. McPheron, Anderson University - Indiana
Katelyn J. Butler, Anderson University - Indiana

A Storytelling, Social-Belonging Intervention in an Introductory Computer Science Course
Shanon Reckinger, University of Illinois at Chicago
Chris Gregg, Stanford University

A Model for Incorporating Undergraduate Research into an Engineering Curriculum
Douglas Stamps, University of Evansville

International aviation collaboration in a study abroad program
Brian Kozak, Purdue University - Main Campus
Peng Hao Wang, Purdue University - Main Campus

A Faculty Retreat Model Featuring Collaborative and Active Learning
Yeow Siow, University of Illinois at Chicago
Michael Scott, University of Illinois at Chicago
Houshang Darabi, University of Illinois at Chicago
Farzad Mashayek, University of Illinois at Chicago
Technical Paper Sessions

1:50 - 3:05 p.m.

**Innovation in the Classroom**

Using definitions of concepts in introductory physics courses for scientists and engineers  
Christos Deligkaris, University of Southern Indiana

Providing a Meaningful Lab Experience for a Manufacturing Processes Course  
Kevin Molyet, Trine University

Introducing Concept Maps in Undergraduate Thermodynamics  
Jessica Lofton, University of Evansville

Design of a Carburizing Treatment of Steel Base Gear in the Materials Science Course  
Jiliang Li, Purdue University Northwest  
Jin Xu, Purdue University Northwest  
Nuri Zeytinoglu, Purdue University Northwest  
Jinyuan Zhai, Purdue University Northwest

3:20 - 4:35 p.m.

**Technology in the Classroom**

Development of a Set of Pre-class Videos for Electromagnetic Theory  
Benjamin D. McPheron, Anderson University - Indiana  
Josiah D. Kunz, Anderson University - Indiana

Interactive Simulations in Signals and Systems  
Anthony Richardson, University of Evansville

Innovative Remote Smart Home for Immersive Engagement  
Kevin B. Martin, Northern Illinois University  
Abul Azad, Northern Illinois University  
Mohammed Adnan Shareef, Northern Illinois University  
Mrinal Roy, Northern Illinois University

Autopilot Programming and Operations within an Unmanned Aerial Systems Course  
Brian Kozak, Purdue University - Main Campus

Application of Computational Tools to Spaghetti-Based Truss Bridge Design  
Jin Xu, Purdue University Northwest  
Jiliang Li, Purdue University Northwest  
Nuri Zeytinoglu, Purdue University Northwest  
Jinyuan Zhai, Purdue University Northwest

Design of a Carburizing Treatment of Steel Base Gear in the Materials Science Course  
Jiliang Li, Purdue University Northwest  
Jin Xu, Purdue University Northwest  
Nuri Zeytinoglu, Purdue University Northwest  
Jinyuan Zhai, Purdue University Northwest
Faculty Poster Session

Freshman Engineering Student Engagement through Sport’s Data Analytics
University of Southern Indiana
Adam Tennant

Deepening Engineering Design Experience: A Novel Approach to Senior Design
Northern Illinois University
Donald Peterson
Mansour Tahernezhadi
Abul Azad

Undergraduate Poster Session

A Bird’s-Eye View of What Learners Like and Dislike about MOOCs across Subject Areas Using Topic Modeling
Purdue University
Abigail Gentry

Design of an Extruder Cooling Line
Trine University
Timothy Jenkins
Logan Dorgelo

Design and Construction of a Transportable Swimming Pool Flume to Aid in the Development of University of Indianapolis Swimmers
University of Indianapolis
Jared Hilt
Cara Brown
Dillon Hines
Joseph Herzog
Najmus Saqib
Renny Fernandez

Design and Fabrication of a Custom Wrist Orthosis for Enhanced Patient Comfort
University of Indianapolis
Marko Tasic
Matthew Hansen
Mang Lian
Demetre Mitchell
Rashedul Sarker
Renny Fernandez
Erin Peterson
Joseph Herzog
David Olawale
Najmus Saqib

Citizens Energy Group: Mobile Water Distribution System for Providing Water and Reducing Plastic Waste
University of Indianapolis
Alex Pruitt
Alysa Epperson
Jonathen Key
Victor Antoñon Rodriguez
Paul Talaga
George Ricco
Suranga Dharmarathne

Internal Restoration and Modernization of a 1948 WWII Era Jukebox
University of Indianapolis
Miles Furr
Cristiana Olarinre
Joel Carpenter
Elijah Knox
George Ricco
Paul Talaga
Suranga Dharmarathne

Automated Media Sweeper for Reducing Media Loss at Yamaha Marine Precision Propeller Facility
University of Indianapolis
Kyla Christmas
Tyler Cole
Jevis Muluh
Ryan Veazie
Paul Talaga
George Ricco
Suranga Dharmarathne
Tyler Cook
Undergraduate Poster Session (continued)

International Aviation Collaboration in a Study Abroad Program
Purdue University
Brian Kozak
Peng Hao Wang

Combining Design and Entrepreneurial Mindset Development: Improved Multifunctional Charging Station
University of Indianapolis
Allison Zwickl
Payton Staman
Evan Parduhn
Jake Smith
David Olawale
Stephen Spicklemire
Rashedul Sarker

Combining Design and Entrepreneurial Mindset Development: Motorcycle Detection System
University of Indianapolis
Pilar Echeverria
Thomas LeSeure
Bailey Wilder
Oluebucheukwu Onaga
Jake Braumbaugh
Steve Spicklemire
Jose Sanchez
David Olawale

Return on Investment On A University Education: Development of An Analytical Software Tool
University of Indianapolis
Joshua Love
Kristians Kanders
Kinsey West
Ante Lucev

Pneumatically Assisted Autocutter: Providing a Safe Workplace Environment for People with Disabilities
University of Indianapolis
Ryan Kallenberger
Brian Galliher
Laura Johnson
Melanie Moore
Joseph Herzog
Renny Fernandez
Najmus Saqib
## Illinois-Indiana Section Officers

<table>
<thead>
<tr>
<th>Name, Title, Email, Phone</th>
<th>Position</th>
<th>Institution</th>
</tr>
</thead>
</table>
| Dr. James “Jamie” Canino  | Chair    | Trine University  
  *Associate Professor*  
  caninoj@trine.edu  
  260-665-4232 |
| Dr. Charles McIntyre      | Chair-Elect | Indiana University Purdue University, Indianapolis  
  *Professor Construction Management*  
  chmcinty@iupui.edu  
  701-388-5164 |
| Prof. Thomas Trusty       | Past Chair  
  *Department Chair*  
  *Awards Chair*  
  trustyt@trine.edu  
  260-665-4266 |
| Dr. Jessica Lofton        | Program Chair | University of Evansville  
  *Assistant Professor*  
  jb363@evansville.edu  
  812-488-2211 |
| Ms. Joanne Lax            | Editor    | Purdue University-Main Campus, West Lafayette (College of Engineering)  
  *Graduate Technical Communications and Professional Development Specialist*  
  jlax@purdue.edu  
  765-494-0621 |
| Prof. Gary D. Steffen     | Section Campus Representative | Indiana University Purdue University, Fort Wayne  
  *Chair*  
  steffen@pfw.edu  
  260-481-6344 |
| Prof. Patricia Fox        | Treasurer | Indiana University Purdue University, Indianapolis  
  *Clinical Assistant Professor*  
  psfox@iupui.edu  
  317-274-0807 |
## Illinois-Indiana Section Member Institutions and Campus Representatives

<table>
<thead>
<tr>
<th>Institution</th>
<th>Representative</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aurora University</td>
<td>Marie D. Dahleh</td>
<td><a href="mailto:mdahleh@aurora.edu">mdahleh@aurora.edu</a></td>
</tr>
<tr>
<td>Greenville College</td>
<td>Dongxue Zhao</td>
<td><a href="mailto:dongxue.zhao@greenville.edu">dongxue.zhao@greenville.edu</a></td>
</tr>
<tr>
<td>Indiana University Purdue University, Fort Wayne</td>
<td>Gary D. Steffen</td>
<td><a href="mailto:steffen@pfw.edu">steffen@pfw.edu</a></td>
</tr>
<tr>
<td>Indiana University Purdue University, Indianapolis</td>
<td>Patricia Fox</td>
<td><a href="mailto:psfox@iupui.edu">psfox@iupui.edu</a></td>
</tr>
<tr>
<td>Northwestern University</td>
<td>Alan V. Sahakian</td>
<td><a href="mailto:sahakian@eecs.northwestern.edu">sahakian@eecs.northwestern.edu</a></td>
</tr>
<tr>
<td>Purdue University Northwest</td>
<td>Niranjan Hemant Desai</td>
<td><a href="mailto:desai39@pnw.edu">desai39@pnw.edu</a></td>
</tr>
<tr>
<td>Rose-Hulman Institute of Technology</td>
<td>Ashley Bernal</td>
<td><a href="mailto:bernala@rose-hulman.edu">bernala@rose-hulman.edu</a></td>
</tr>
<tr>
<td>Southern Illinois University, Carbondale</td>
<td>James Mathias</td>
<td><a href="mailto:mathias@engr.siu.edu">mathias@engr.siu.edu</a></td>
</tr>
<tr>
<td>Southern Illinois University, Edwardsville</td>
<td>Nima Lotfi Yagin</td>
<td><a href="mailto:nlotfiy@siue.edu">nlotfiy@siue.edu</a></td>
</tr>
<tr>
<td>Trine University</td>
<td>Thomas Trusty</td>
<td><a href="mailto:trustyt@trine.edu">trustyt@trine.edu</a></td>
</tr>
<tr>
<td>University of Evansville</td>
<td>Mark E. Randall</td>
<td><a href="mailto:mr63@evansville.edu">mr63@evansville.edu</a></td>
</tr>
<tr>
<td>University of Illinois, Urbana-Champaign</td>
<td>Laura D. Hahn</td>
<td><a href="mailto:lhahn@illinois.edu">lhahn@illinois.edu</a></td>
</tr>
<tr>
<td>Valparaiso University</td>
<td>Doug Tougaw</td>
<td><a href="mailto:doug.tougaw@valpo.edu">doug.tougaw@valpo.edu</a></td>
</tr>
<tr>
<td>Western Illinois University</td>
<td>Prathivadi B. Ravikumar</td>
<td><a href="mailto:pb-ravikumar@wiu.edu">pb-ravikumar@wiu.edu</a></td>
</tr>
</tbody>
</table>

---

**UNIVERSITY OF EVANSVILLE**

**College of Engineering and Computer Science**
Demonstrations

Interactive White Board

**Location**  Room 137, Koch Center for Engineering and Science

**Facilitator**  Mark Randall

**Biography**  Mark Randall, is assistant professor of Electrical Engineering and Computer Science at the University of Evansville. He has been with the University of Evansville since 1999. Randall received his MS in computer science and engineering from the University of Evansville, a BS in electrical engineering from the University of Evansville, and a BS in electronics technology from Indiana State University. He was licensed as a professional engineer in 2014. Randall is published and currently has a patent pending with the US and International Patent offices. He was the recipient of the 2016 Deans Teacher of the Year Award for the College of Engineering. Randall is the owner of Mark Randall Consulting LLC and has worked on many projects in controls, embedded systems, and networking for local industry.

Lightboard

**Location**  Room 152, Bower-Suhrheinrich Library

**Facilitator**  Jeff Cron

**Biography**  Cron is the staff engineer for the College of Engineering and Computer Science at the University of Evansville. He holds a BS in electrical engineering technology from the University of Southern Indiana. Cron was involved in the design and construction of the lightboard device.
University of Evansville
Illinois-Indiana Section Conference Team

Rebecca Buxton
Administrative Assistant/Mechanical and Civil Engineering

Sylvia DeVault ’85
Corporate and Foundation Relations Officer/Development

Vicky Hasenour
Administrative Assistant of Electrical Engineering and Computer Science

Kimberly Higgins
Assistant to Dean College of Engineering and Computer Science

John Layer, PhD
Associate Professor of Mechanical and Civil Engineering

Jessica Lofton, PhD
Assistant Professor/Mechanical and Civil Engineering

Mark Randall
Assistant Professor of Electrical Engineering

Peter Schmidt, PhD
Associate Professor of Mechanical and Civil Engineering

Ying Shang, PhD
Dean, Engineering and Computer Science
UNIVERSITY OF EVANSVILLE

College of Engineering and Computer Science

- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Mechanical Engineering
- Software Engineering

1800 Lincoln Avenue
Evansville, Indiana 47722

812-488-2468 • admission@evansville.edu • www.evansville.edu