

STEM

- 1. Central Indiana – STEM Talent Expansion Program – Increasing Graduation Rates in STEM**
Jeffrey Watt, Kathleen Mars, Charlie Feldhaus, Mariah Judd, Stephen Hundley, Andy Garvin, Howard Mzumara
- 2. Accreditation and Interchangeability Challenges**
Kristine Bastian, Eugenia Fernandez, Elaine Cooney

CONSTRUCTION MANAGEMENT

- 3. Center for Underground Tunneling Education and Research (CUTER)**
Hamed Zamenian, Tom Iseley
- 4. Riverside Watershed Environmental Living Lab for Sustainability**
Eminou Nasser, Jessica Rochon, Hamed Zamenian, Matt Ray, Tom Iseley, Dan Koo
- 5. Development of Tunnel Asset Management (TAM) Program**
Hamed Zamenian, Dan Koo

COMPUTER TECHNOLOGY

- 6. T-Dominance: A Stealthy Propagation Strategy for Mobile Botnet**
Wei Peng, Feng Li, Ji Wu, Xukai Zou

ENERGY

- 7. Transforming Municipal Solid Waste (MSW) to Economically Viable Energy: An International Assessment**
Hamed Zamenian, Matt Ray, Burga Aslan, Jake Rardin, Tom Iseley
- 8. Camargo Waste to Energy Plant**
Hamed Zamenian, Eminou Nasser, Matt Ray, Jake Rardin, Tom Iseley
- 9. Industrial Assessment Center (IAC)**
Jie Chen

LIFE SCIENCES

- 10. An Advance Hybrid Approach for Cancer Radiation Treatment with Real-time Image Guidance**
Rong Yan, Huanmei Wu
- 11. Influence of Matrix Stiffness on Cytoskeletal Structure in 3D**
Arika Kemp, Asad Raza, Dr. Chien-Chi Lin
- 12. Osteoclast Mediated Biocorrosion of Stainless Steel**
Melinda Vang, Angela Bruzzaniti,

TRANSPORTATION SAFETY

- 13. Intelligent Human Vehicle Interface**
Renran Tian, Vikram Singh Rajput, Heather Wisdom, Lingxi Li, Yaobin Chen
- 14. Plant Error Analysis and Compensation in Adaptive Cruise Control Systems**
Yao Zhai, Alex Meadows, Lingxi Li, Yaobin Chen, Glenn Widmann
- 15. A New Braking and Warning Scoring System for Vehicle Forward Collision Imminent Braking Systems**
Stanley Chien, Lingxi Li, Yaobin Chen
- 16. Human-in-loop Categorization-based Multi-stage Pedestrian Detection**
Kai Yang, Eliza Yingzi Du, Pingge Jian, Yaobin Chen, Rini Sherony, Hiroyuki Takahashi

NANOTECHNOLOGY

- 17. Integrated Nanosystems for Energy, Biomedical, and other Applications**
Ali Daneshkhah, Nojan Aliahmad, Hossein Jafarian, Robert Vittoe, Tung Ho, Sudhir Shrestha, Mangilal Agarwal, and Kody Varahramyan