

Joint Board of Advisors Meeting

September 23, 2011

POSTER SESSION



**SCHOOL OF ENGINEERING
AND TECHNOLOGY**

A PURDUE UNIVERSITY SCHOOL
Indianapolis

Intern Experience

- 1 "Sarah Fisher Racing - Radiator Back Flush System"
Justin Penix
- 2 "Applied Engineering Services – CAD Department Co-op"
Trey Smith
- 3 "Cummins Inc. – Plant Support and Cost Reduction Projects"
Danielle Rae Bell
- 4 "Cummins Inc. – HHP Fuel Systems Product Validation Testing"
Jomar Andres Mendoza
- 5 "Allison Transmission - Bolt Torque Study"
Kirk Barber
- 6 "Allison Transmission - Clutch Upgrade, Interactive Catalog,
Service Kit Optimization & Software Testing"
Elizabeth Bourgeois
- 7 "National Institutes of Health - Protamine and Sperm Infertility"
Andrew Fraser
- 8 "Raytheon Technical Services - V-22 Aircraft Network Administration"
Stephen Abell
- 9 "Carrier - Advanced Technology Group and Cooling
Development Department"
Zoila Malespin, Sara Grimany
- 10 "McCarthy Building Companies - Water Treatment Plant High Service Pump
Station & Filter Deck"
Chris Meehan

STEM

- 11 "The Woodrow Wilson Indiana Teaching Fellowship"
Charlie Feldhaus
- 12 "Minority Engineering Advancement Program (MEAP)"
Patrick Gee

Energy

- 13 "Research at the Richard G. Lugar Center for Renewable Energy"
Kyle Cline
- 14 "Inorganic Solid/Organic Liquid Hybrid Electrolyte for
Li-ion Battery"
Nina Mahootcheian Asl, Josh Keith, Youngsik Kim
- 15 "Effect on System Efficiency From Combining Solar Thermal and
Photovoltaic Energy Systems in Non-grid Applications: Phase 1"
Daric Fitzwater, Frederic Zarzecki, David Goodman"

Mechanical Engineering

- 16 "Multi-body Dynamics Lab"
Tamer Wasfy
- 17 "Effect of Mixture Non-uniformity on Wave Rotor CVC Performance"
Sameera Wijeyakulasuriya, Tarek Elharis, Razi Nalim
- 18 "Two-Step Reaction Model of Stratified-Charge Combustion"
Tarek M. Elharis, Sameera Wijeyakulasuriya, Razi Nalim

Interior Design & Architecture Technology

- 19 "Green Roof Efficiency Research"
Cristian Garcia, Darrell Nickolson
- 20 "Humane Alliance Clinic Furniture Plan"
Sara Newell

Electrical & Computer Engineering

- 21 "Biometrics and Pattern Recognition Laboratory"
Eliza Du, Zhi Zhou, Kai Yang, Mike Beale, Yong Lin

Nanotechnology

- 22 "Integrated Nanosystems Development Institute"
Dan Miner, Mangilal Agarwal