

Unique Features of CEM @ Purdue

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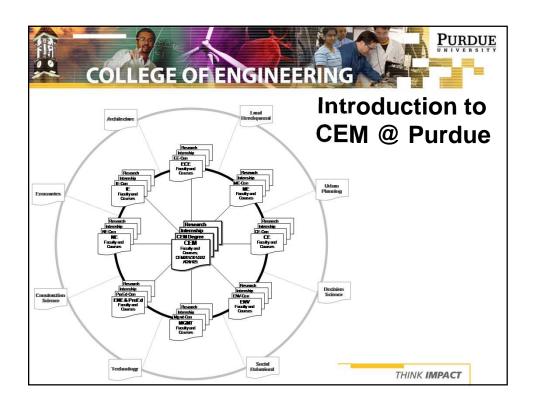
THINK IMPACT



Introduction to CEM @ Purdue

- Established in 1976 (35 years) as a stand alone degree granting Division within College of Engineering
- CEM Faculty
 - 7 tenure track CEM/CE faculty
 - 2 tenure track ME faculty (Courtesy Appointment)
 - 2 tenure track NE faculty (Courtesy Appointment)
 - 4 Continuing Lecturers/ Lecturers
 - 1 Director of Internships/Continuing Lecturer

THINK **IMPACT**





CEM Curriculum

- Degree: BSCEM
 - 80% Engineering, 20% Management
 - Focused on construction industry requirements
 - Areas of specialization
 - Students can Minor in any areas of Engineering
 - Three 12-week internships with CEM sponsor firm (Required for Graduation)
- Minor in CEM available for students in other majors
- Also BSCE (with specialization in Construction offered through Civil Engineering)
 - Courses covered by faculty with CEM/CE appointments

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CEM Graduate program

- ❖ The Purdue Construction Graduate Program:
 - √ students admitted through CE
 - ✓ whereas UG students are directly admitted through CEM
- Over 50 construction Ph.D.s have graduated in CEM over the past 20 years.
 - ✓ Most of them have found academic placement.

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Faculty Research - Diversity

- Discovery and innovation in construction engineering and management:
 - Augmented Reality/Virtual Reality (Dunston)
 - Contract Management with IT (Dunston, Martinez, Kandil, Hastak)
 - Construction Safety (Abraham)
 - Cost control and risk management (Hastak, Kandil)
 - Dispute Resolution (Kandil)
 - Disaster risk reduction (Hastak, Abraham)
 - GIS (Cai)
 - Infrastructure management (ALL)
 - Net Zero Buildings/Energy Efficient Buildings (Karava)
 - Project management and decision-making (ALL)
 - Profitability (Hastak)
 - Simulation (Martinez)
 - Strategic planning (Hastak)
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•College of Engineering



Thank You!!

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