IT and Construction Software (ITCS) Community:
Building Information Modeling (BIM) and field applications for construction management and civil engineering

Workshop Presenters
- Dr. Marcel Maghiar, CECM, Georgia Southern
- Dr. Yunfeng Chen, CECM, Georgia Southern
- Dr. Gustavo Maldonado, CECM, Georgia Southern
- Dr. Roger Purcell, CECM, Georgia Southern
- Mr. Josh Bone, CM-BIM, JBKnowledge

Panelists
- Dr. Mike Jackson, Chair, CECM, Georgia Southern
- Mr. Christopher Novak, Director of Engineering & Facilities Maintenance, Georgia Southern
- Mr. Marvin Mills, Assoc. VP of Facilities, Georgia Southern
- Mr. Allen Muldrew, Director, DSDA
- Mr. Brad Deal, Engineer, City of Statesboro

RSVP by May 16 to:
Dr. Marcel Maghiar
480.294.9728
mmaghiar@georgiasouthern.edu

To be held on the Georgia Southern campus, on the second floor of the Nessmith-Lane Conference Center:
847 Plant Drive
Statesboro, GA 30460
912.478.5555
Overview of the Symposium

The construction industry lags behind manufacturing industries in terms of automated solutions, productivity levels, and workplace safety. These issues are primarily due to the nature of construction—fragmentation of the industry; outdoor worksites; requirements for custom products; etc.

Closing the gap to bring the construction industry up to speed with manufacturing will require us to adopt advanced information technologies that can manage the much more complex operations and sophistication we require as opposed to the more controlled environments in manufacturing.

Grand challenges such as improving construction productivity and enhancing safety can be addressed by implementing information technologies and automated solutions. The Promoting IT & Technology Applications in Construction Management Workshop will present some of the latest, most interesting and useful solutions for local industry and the construction community.

Schedule of Events

- **9 – 9:15am**  
  Introduction
- **9:15 – 10:00am**  
  BIM and Construction Education—The Challenges Ahead  
  Dr. Marcel Maghiar
- **10 – 11:45am**  
  Workshop Presentations  
  Education, Track A
- **11:45am – 12**  
  Open discussion, Q&A, closing comments
- **12pm – 1pm**  
  Lunch and Panel Session—Work Programs Ahead  
  Dr. Mike Jackson  
  Mr. Christopher Novak  
  Mr. Marvin Mills  
  Mr. Allen Muldrew  
  Mr. Brad Deal
- **1pm – 2:45pm**  
  Workshop Presentations  
  Industry, Track B
- **2:45pm – 3pm**  
  Final thoughts, closing comments  
  Feedback for next year’s symposium

Students and presenters: **free**
All others: $50 (includes lunch)
Technology providers: **$150** suggested sponsorship (stand provided)

Please make checks payable to:  
**GSU CM Program (Acct. #0425)**

Mail checks to be received by May 16 to:  
Dr. Mike Jackson  
CECM  
Georgia Southern University  
PO Box 8077  
Statesboro, GA  30460-8077

BIM & Educational Value – how should we teach BIM? Value of mobile technologies, construction apps to industry
What is BIM – technology, process, or information?
Cloud-based coordination, clash prevention & visualization
Construction handover & BIM for facility management
Construction field operations mobile technology (issue tracking, punch lists, drawing management applications, layout, QA/QC, as-built workflows with robotic total stations)
Photogrammetry – extracting 3D information of objects by processing pictures – practical applications
Modern laser-based scanning instruments, 3D point-cloud models of civil infrastructure, registration process, potential use of point clouds in BIM software and their benefits
FARO Technologies – FARO software
U.S. Surveying – geomatics education for the 21st century – adapting to change?