CCEC

May 1, 2009 – May 31, 2010

Scholarship Report

College of Computing, Engineering, and Construction

University of North Florida

September 2010
College of Computing, Engineering & Construction

Referenced Books

TBD.

Referenced Publications

Journal Articles


Dean’s Office


Department of Construction Management


**School of Computing**


**School of Engineering**


Conference Proceedings

Department of Construction Management

TBD

School of Computing


**School of Engineering**


**Book Chapters**

**Department of Construction Management**

**TBD**

**School of Computing**


http://www.igi-global.com/reference/details.asp?ID=34284

http://www.igi-global.com/reference/details.asp?id=34405

School of Engineering


Book Reviews

TBD

Refereed & Invited Presentations

Department of Construction Management


School of Computing


School of Engineering


Brown, Christopher J., “What Civil and Environmental Engineers Do”, Creekside High School Civil Engineering Academy, September, 2009.


Conference and presentation:


El-Safty, Adel, “University-based Studios for In-depth Learning Experiences on Precast Concrete”, The Precast Concrete Institute Foundation, September, 2009.


El-Safty, Adel, “Concrete Engineering at UNF – An Update of Current Research Projects”, The Local Chapter of the American Concrete Institute, February, 2010.

El-Safty, Adel, and Bennett, R., “Evaluation and Analysis of the Repair of a Post-Tensioned, Precast Concrete, Segmental Bridge”, The American Concrete Institute Convention, March, 2010.


Fryman, Jean, "What is an Engineer Anyway", Hendricks Avenue Elementary School, April, 2010.


Merckel, Gerald, “Keys To Success”, The SE regional Meeting of the American Society of Mechanical Engineers Student Chapters, October, 2009.


**Academic Research Technology Services**

TBD

**Contracts & Grants**

**Department of Construction Management**


Jiang, Aiyin, “2009-2010 International Faculty Grant to Develop a China Study Abroad Course”, International Center, $2,500.


Malek, Maged, "Research Center for Construction Engineering with AUC”, UNF Foundation, $21,000.

**School of Computing**

Seyed-Abbassi, Behrooz, "BCBSFL/UNF Partnership Educational Collaboration”, Blue Cross and Blue Shield of Florida, $80,000.

**School of Engineering**


Cox, Daniel, "HCC: Medium:RUI: Control of a robotic Manipulator via a Brain-Computer Interface”, National Science Foundation, $371,342.

El Safty, Adel, "Sealing of Cracks on Florida Bridge Decks with Steel Girders”, Florida Department of Transportation, $80,000.

El Safty, Adel, "The repair of Damaged Bridge Girders with Carbon Fiber Reinforced Polymer “CFRP” Laminates”, Florida Department of Transportation, $75,000.


Fletcher, James, "Preliminary Implementation for the FDOT Mobile Retroreflectivity Unit (MRU)", Florida Department of Transportation, $208,589.

Fletcher, James, "Proficient Integration of HVS Instrumentation Data into the Overall APT Effort”, Florida Department of Transportation, $187,937.

Jackson, Mike, “Sealing of Cracks on Florida Bridge decks with steel Girders”, Florida Department of Transportation, $60,000.

Jackson, Mike, “The Repair of Damaged Bridge Girders with Carbon Fiber Reinforced Polymer “CFRP” Laminates”, Florida Department of Transportation, $75,000.

Krusienski, Dean, "General Purpose Brain-Computer Interface System”, Health Research Inc., $84,433.

Krusienski, Dean, "HCC: Medium: RUI: Control of a robotic Manipulator via a Brain-Computer Interface”, National Science Foundation, $371,342.

Krusienski, Dean, "Penn State Laptop Project”, The Pennsylvania State University, $10,000.

Merckel, Gerald, "Solar Power System for UNF Habitat Container Project”, UNF Office of Research and Sponsored Programs, CCEC Dean’s Office and the Department of Construction Management, $5,000.

Sando, Thobias, “Conserve By Transit II – Footprints for Florida Transit Agencies”, University of South Florida, $38,370.

Sando, Thobias, "Safety Implications of Transit Operator Schedule Policies”, Florida Department of Transportation, $80,000.
Sando, Thobias, "Operational Analysis of Shared Lane markings on Roadways with Speeds greater than 35 miles per hour", Florida Department of Transportation, $103,556.

Sando, Thobias, "Revisions of Transit Stations and Lane Width Projects”, Florida Department of Transportation, $24,000.


**Patents**

TBD

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### CCEC Summary

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