

Keith L. Coogler

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Huntsville, TX 77342
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EDUCATION

Edd, Higher Education, Curriculum & Instruction, Texas A&M University-Commerce, 2013
MA, Industrial Education, Sam Houston State University, 2002
BS, Industrial Technology – Design & Development, Sam Houston State University, 1978

EMPLOYMENT HISTORY

Lecturer 2002 – Present
Department of Agricultural Sciences and Engineering Technology

COURSES TAUGHT

ITEC 1363 – Construction Technology I
ITEC 3368 – Construction Processes
ITEC 3370 – Construction Technology II
ITEC 4368 – Building Materials
ITEC 4370 – Construction Plans & Documents
ITEC 4369 – Special Topics in Industrial Technology

PROFESSIONAL ORGANIZATIONS & AFFILIATIONS

American Society of Engineering Education – Member
American Builders and Contractors (ABC) – SHSU Chapter advisor
National Association of Home Builders (NAHB) – SHSU Chapter advisor
Associated General Contractors (AGC) – SHSU Chapter advisor
Sam Houston Construction Association (SHCA) – SHSU Chapter advisor
The Association of Technology, Management, and Applied Engineering (ATMAE) – SHSU Chapter
Architectural Woodwork Institute (AWI) – Affiliate member

RESEARCH INTERESTS

Construction, Alternative Energies, Automation-Measurement, and Control

DISSERTATION

Coogler, K. L. (2013). Effects of personality and learning style on college level reading. (UMI No. 3606406).

PEER-REVIEWED PUBLICATIONS

Yildiz, F., **Coogler, K.** , “Design and Implementation of a 1kw Photovoltaic System as a Training Infrastructure”, Proceedings of 2014 American Society for Engineering Education (ASEE) 121st Annual Conference & Exposition, Indianapolis, Indiana.

Yildiz, F., **Coogler, K.**, “Low-power Energy Harvesting with a Thermoelectric Generator Through an Air Conditioning Condenser”, Proceedings of 2014 American Society for Engineering Education (ASEE) 121st Annual Conference & Exposition, Indianapolis, Indiana.

Dr. Faruk Yildiz, Dr. Reg Recayi Pecan, and **Keith L. Coogler**, “An Industry Related Project-Based Microcontroller Course”, Proceedings of 2013 American Society for Engineering Education (ASEE) 120th Annual Conference & Exposition in Atlanta, Georgia

Dr. Faruk Yildiz, **Keith L. Coogler**, and Dr. Bill Crockford, “An Applied Comparison Study: Solar Energy vs. Thermoelectric Energy”, Proceedings of 2013 American Society for Engineering Education (ASEE) 120th Annual Conference & Exposition in Atlanta, Georgia

Yildiz, F., **Coogler, K.**, Crockford, W., “Energy Harvesting from an Air Conditioning Condenser Exhaust”, Proceedings of 2012 The Association of Technology, Management, and Applied Engineering (ATMAE) Annual Conference: Strengthening Our Connections, November 14-17, 2012. Nashville, Tennessee

Yildiz, F., **Coogler, K.**, “Energy Efficient LED Lighting Powered By Hybrid Wind and Solar Power”, Proceedings of 2012 The Association of Technology, Management, and Applied Engineering (ATMAE) Annual Conference: Strengthening Our Connections, November 14-17, 2012. Nashville, Tennessee

Dr. Faruk Yildiz, **Keith L. Coogler** and Dr. Reg Recayi Pecan , “An Overview: Applied Interdisciplinary Renewable Energy Projects”, Proceedings of 2012 American Society for Engineering Education (ASEE) 119th Annual Conference & Exposition in San Antonio, Texas

Dr. Faruk Yildiz, **Keith L. Coogler** , “Indoor Security Lighting with Solar Powered LED Technology”, Proceedings of 2012 American Society for Engineering Education (ASEE) 119th Annual Conference & Exposition in San Antonio, Texas

Yildiz, F., **Coogler, K.L.**, Muns, N.C., “Two Successful Projects: Solar Air and Solar Water Heating Training Units”, Proceedings of 2011 The Association of Technology, Management, and Applied Engineering (ATMAE) Annual Conference: ReThinking the Future, November 9-12 2011, Cleveland, OH.

Yildiz, F., **Coogler, K.**, Zora, A., “*An Undergraduate Research Project: The Design and Development of an Environment Friendly Hybrid Boat*”, Proceedings of 2011 American Society for Engineering Education (ASEE) Annual Conference, Energy Conversion Conservation Division (EECT), June 2011, Vancouver, BC, Canada.

Yildiz, F., Muns, N.C., **Coogler, K.L.**, “*A General Alternative Energy Course Development for a Technology Program*”, Proceedings of 2011 IAJC-ASEE International Joint Annual Conference on Engineering and Related Technology, April 2011, Hartford, CT.

Yildiz, F., Kingman, D., **Coogler, K.**, Karayaka, H.B., “*Recruitment of K-12 Students to Engineering Technology Programs through Applied Alternative Energy Education Workshops*”, Proceedings of 2011 ASEE Gulf Southwest Annual Conference: Innovating Engineering and Engineering Technology Education, ASEE Gulf-Southwest Section, March 2011, Houston, TX.

Yildiz, F., Fazarro, D., **Coogler, K.**, "The Green Approach: Self-Powered House Design Concept for Undergraduate Research", *Journal of Industrial Technology (JIT)*. Vol. 26 No.2. April 2010 through June 2010.

Yildiz, F., **Coogler, K.**, "Development of a Renewable Energy Course for a Technology Program", Proceedings of 2010 American Society of Engineering Education (ASEE), Energy Conversion Conservation Division (EECT), June 2010, Louisville, Kentucky.

Yildiz, F., **Coogler, K.**, "Students Built Educational Renewable Energy Training Units", Proceedings of 2010 American Society of Engineering Education (ASEE), Energy Conversion Conservation Division (EECT), June 2010, Louisville, Kentucky.

Yildiz, F., **Coogler, K.**, Fazarro, D., "Self Sufficient Energy Efficient House Design", Proceedings of 2009 American Society of Engineering Education (ASEE), Energy Conversion Conservation Division (EECT), June 2009, Austin, TX. AC 2009-1073

PEER-REVIEW PRESENTATIONS/POSTERS

An Undergraduate Research Project: The Design and Development of an Environment Friendly Hybrid Boat, 2011 American Society for Engineering Education (ASEE) Annual Conference, Energy Conversion Conservation Division (EECT), June 2011, Vancouver, BC, Canada.

WORK OR PROFESSIONAL EXPERIENCES

2014

- Facilitator – Fall 2014 Industrial Technology Career Fair
- 2014 BEST Robotics Competition – Field Constructor
- Committee – Spring 2014 Agricultural Sciences and Industrial Technology Career Fair

2013

- Facilitator – Fall 2013 Industrial Technology Career Fair
- Advisor & Trainer – American Builders and Contractors (ABC) National Construction Estimating Competition - 2013. Birmingham, Alabama
- 2013 BEST Robotics Competition – Field Constructor & Judge
- Committee – Spring 2013 Agricultural Sciences and Industrial Technology Career Fair

2012

- 2012 BEST Robotics Competition – Field Constructor & Judge
- Facilitator – Fall 2012 Industrial Technology Career Fair
- Advisor & Trainer – American Builders and Contractors (ABC) National Construction Estimating Competition - 2012. San Antonio, Texas
- Advisor & Trainer – American Builders and Contractors (ABC), Houston Area Chapter, Construction Estimating Competition - 2012. Houston, Texas
- Facilitator – Spring 2012 Industrial Technology Career Fair

2011

- Facilitator – Fall 2011 Industrial Technology Career Fair
- 2011 BEST Robotics Competition – Field Constructor & Judge
- Advisor & Trainer – American Builders and Contractors (ABC) National Construction Estimating Competition - 2011. San Antonio, Texas
- Advisor & Trainer – American Builders and Contractors (ABC), Houston Area Chapter, Construction Estimating Competition - 2011. Houston, Texas
- Facilitator – Spring 2011 Industrial Technology Career Fair

2010 & before

- Facilitator – Fall 2010 Industrial Technology Career Fair
- Facilitator – Spring 2010 Industrial Technology Career Fair
- Facilitator – Fall 2009 Industrial Technology Career Fair
- Facilitator – Spring 2009 Industrial Technology Career Fair
- Facilitator – Fall 2008 Industrial Technology Career Fair
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- Facilitator – Spring 2007 Industrial Technology Career Fair
- Facilitator – Fall 2006 Industrial Technology Career Fair
- Facilitator – Spring 2006 Industrial Technology Career Fair
- Facilitator – Fall 2005 Industrial Technology Career Fair
- Facilitator – Spring 2005 Industrial Technology Career Fair