GREGORY E. TRIPLETT, JR., Ph.D.

Professional Preparation

Florida A&M University	**Electrical Engineering**	BS, 1996
Florida State University	**Electrical Engineering**	MS, 1997
Georgia Institute of Technology	**Electrical & Computer Engineering**	PhD, 2004

Appointments

Jan 2016 to present	**Professor and Associate Dean,** School of Engineering Virginia Commonwealth University, Richmond, Virginia
Aug 2013 to July 2014	**Program Fellow**, Southeastern Conference Academic Leadership Development University of Missouri, Columbia, Missouri
Jan 2013 to Dec 2015	**Director of Undergraduate Studies**, Department of Electrical and Computer Engineering, University of Missouri, Columbia, Missouri
Aug 2012 to Aug 2014	**Associate Director**, University of Missouri Honors College University of Missouri, Columbia, Missouri
Aug 2011 to Dec 2015	**James C. Dowell Associate Professor,** Department of Electrical and Computer Engineering, University of Missouri, Columbia, Missouri
Aug 2004 to Jul 2011	**Assistant Professor,** Department of Electrical and Computer Engineering University of Missouri, Columbia, Missouri
June-August 2009	**Summer Faculty Fellow,** Sensors Directorate**,** Air Force Research Laboratory Wright-Patterson Air Force Base, Dayton, Ohio
June-August 2008	**Research Professor,** Sensors Directorate**,** Air Force Research Laboratory Wright-Patterson Air Force Base, Dayton, Ohio
May 2004 to Aug 2004	**Postdoc**, School of Electrical and Computer Engineering Georgia Institute of Technology, Atlanta, Georgia
Jan 1999 to May 2004	**MiRC Lecture Series Coordinator,** Microelectronic Research Center (MiRC) School of Electrical and Computer Engineering Georgia Institute of Technology, Atlanta, Georgia
Jan 1999 to May 2004	**Graduate Research Assistant**, Microelectronic Research Center (MiRC) School of Electrical and Computer Engineering Georgia Institute of Technology, Atlanta, Georgia
May 1992 to Aug 1996	**Electrical Engineer,** Turner-Fairbank Highway Research Center Department of Transportation, McLean, Virginia

Selected Publications

1. Robert G. Bedford, **Gregory Triplett**, David Tomich, Stephan W. Koch, Jerome Moloney, and Jorg. Hader, "Reduced auger recombination in mid-infrared semiconductor lasers", *Journal of Applied Physics*, Vol. 110, 073108 (2011).
2. R. Jeff, M. Yun, B. Ramalingam, B. Lee, V. Misra, **G. Triplett**, S. Gangopadhyay, "Charge storage characteristics of ultra-small Pt nanoparticle embedded GaAs based non-volatile memory", *Applied Physics Letters*, Volume 99, Issue 7, 072104 (2011) .
3. **Gregory Triplett** and Denzil Roberts, "Strained Active Regions in GaAs-based Quantum Cascade Lasers", *IEEE Journal of Quantum Electronics, Vol46, No. 12, December 2010.*
4. Nicholas Rada, and **Gregory Triplett**, "Thermal and Spectral Analysis of Self-heating Effects in High-power LEDs," *Solid-State Electronics*, Vol. 54, Issue 4, pp. 378-381, April 2010.
5. Gary May, Tae Seon Kim, **Gregory Triplett**, Ilgu Yun, Artificial Intelligence in Semiconductor Manufacturing. In: J. Webster, (Ed.), Wiley Encyclopedia of Electrical and Computer Engineering. John Wiley & Sons, Inc, 2007.

iv) Synergistic Activities

Relevant Projects: Dr. Triplett joined the ECE Department at the University of Missouri in 2004 and moved on to join Virginia Commonwealth University as Associate Dean of Graduate studies in January 2016. At Missouri, he was selected as an ASEE/AFOSR Summer Faculty Fellow, an AFOSR Young Investigator Program Recipient and has helped secure nearly $9 million dollars in research funding from the NSF, Army, AFOSR, Dept. of Energy, and the University of Missouri.

His research area involves the development of mid-infrared sensors and semiconductor device manufacturing. Triplett has intersected high-quality undergraduate teaching, local and national service, and interdisciplinary research that impact hundreds of engineering students. Three of Triplett's *teaching awards* were the highest honors offered at the department, college, and university levels. At the college level, the *Missouri Honor Award* recognizes teaching excellence in engineering education. At the university level, the *William T. Kemper Award* serves as the highest honor and includes only a select group of honorees through its history. His *mentoring awards* also demonstrate his impact on the local community. The University of Missouri Chancellor, the Target Hope Foundation, and the local chapter of the NAACP all recognized his mentoring and advising excellence. Triplett has also secured significant external funding to enhanced undergraduate education efforts that focus specifically on transition into college and student retention. Through these programs, approximately 40 scholarships have been awarded and as many as 125 additional students have benefited from enhancements in support programs. Triplett also worked to double undergraduate participation in research, thus preparing these students for graduate school. Triplett also serves on several advisory boards (for example, Collaborative Research: Broadening Participation in Engineering among Women and Latina/os: A Longitudinal, Multi-Site Study) that are leading the charge to improve education in engineering as well as other fields.