NSF Summer Research Experiences for Teachers (RET) Opportunity for Secondary (grades 7 – 12) Math and Science Teachers on Challenge-Based Learning and Engineering Design Process Enhanced Research Experiences for Middle and High School Teachers

Research Projects Include:

Project 1: “Catalytic Electrode Coatings for Removal of Pesticides from Drinking Water in Ozonation/Electrolysis Treatment Systems”

Project 2: “Identification and Measurement of Metal Complexes in Solutions for Alternative Energy Development”

Project 3: “Generation of Renewable Energy from Food Waste”

Project 4: “Enhancing Decision Making Emulating Human Reasoning”

Project 5: “Reducing Freeway Emission Via Ramp Metering Control”

Project 6: “Secure Cyberspace”

Benefits of being a RET Teacher?
• $6000 and a laptop for participation in 2015 RET Site for the 2015-16 academic school year
• 7-week RET program, from June 15th – July 31st including research, coursework, and PD workshops and seminars
• Mentored by a RET Resource Teacher
• Create a Unit that utilizes challenge based learning and the engineering design process
• Participate in professional opportunities presenting at the annual STEM Conference and/or presenting papers at other regional and national conferences

Apply NOW! if you are interested in this tremendous professional leadership opportunity! Don’t miss out!
For more information go to: http://www.ceas3.uc.edu/step/ret/archive/2015/
Email the application packet to: futurescience.uc@gmail.com
Application deadline is January 16, 2015.
Questions? Contact: Debbie Liberi liberid@ucmail.uc.edu