New Watson Research Awards 2013 (YTD)

Bioengineering:
- Dr. Gretchen Mahler (Co-PI), Dr. Pong-Yu (Peter) Huang (Co-PI), *Effects of Environmental Factors on Eqigenetic Regulation of Surfactant Proteins in the Lung*, Health Science Center Foundation at Syracuse.
- Dr. David Schaffer, *2012 Collaboration Fund: A Dementia Diagnostic Test Based Upon Speech*, Multiple Sponsors.

Computer Science:
- Dr. Kartik Gopalan (PI) and Dr. Ping Yang (co-PI), *CSR: Small: Towards High-Performance, Robust, and Secure Live Migration of Virtual Machines*, National Science Foundation.
- Dr. Madhusudhan Govindaraju, *Customization & Optimization of Database for Healthcare Database*, United Health Services.

Electrical & Computer Engineering:
- Dr. David Klotzkin, *Thin Film Deposition & Structuring*, Osram Sylvania Lighting Research Center.
- Dr. Victor Skormin, *Research Support for Bolashak Program*, JSC Center for International Programs.

Mechanical Engineering:
- Dr. Pong-Yu (Peter) Huang, *Contact Dynamics and Flow Blockage Inhibition of Armored Bubbles Inside Confining Flow Conduits*, American Chemical Society.
- Dr. Pong-Yu (Peter) Huang (Co-PI), Dr. Gretchen Mahler (Co-PI)

Dr. Seungbae Park, *MEMS Oscillator Packaging*, Sand 9 Incorporated.

Dr. James Pitarresi (PI) and Dr. Quang Su (co-PI), *Advanced Electronics Manufacturing Issues SUNY ME Funding for Vibration and FEA - Agreement 13072572*, Universal Instruments Corporation.

Dr. James Pitarresi (PI) and Dr. Quang Su (co-PI), *Electronics Vibration Reliability Testing and Finite Element Modeling*, Universal Instruments Corporation.

Dr. James Pitarresi (PI) and Dr. Quang Su (co-PI), *Further Development of Vibration Testing Method and FE Analysis for Solder Joint Reliability*, Universal Instruments Corporation.

Dr. Guangwen Zhou, *Collaborative Research: situ Characterization of Methanol Oxidation Catalyzed By Copper-Based Materials*, National Science Foundation.

**Systems Science and Industrial Engineering:**

- Dr. Peter Borgesen, *SUNY SSIE Funding for Lead-Free and Student Support for Staff Advanced Electronics Manufacturing Issues Agreement 13062313*, Universal Instruments Corporation.
- Dr. Mark Poliks, *CAMM Testing Services*, LG Display.
- Dr. Krishnaswami Srihari (PI) and Dr. Mohammad Khasawneh (co-PI), *A Comprehensive Simulation Study of a DMV: A Focus on Customer Service*, NYS Department of Motor Vehicles.
- Dr. Krishnaswami Srihari (PI) and Dr. Mohammad Khasawneh (co-PI), *Business Process Engineering Support for Network Care Management System*, Montefiore Hospital and Medical Center.
- Dr. Krishnaswami Srihari (PI) and Dr. Mohammad Khasawneh (co-PI), *Improving the Efficiency and Effectiveness of Healthcare Delivery*, Montefiore Hospital and Medical Center.
- Dr. Krishnaswami Srihari (PI), Dr. Sarah Lam (Co-PI) and Dr. Sangwon Yoon (co-PI), *Enhancement of Contact Center Operations using mathematical modeling and simulation-Based optimization*, Xerox Corporation.
- Dr. Krishnaswami Srihari (PI) and Dr. Nagendra Nagarur (co-PI), *Quality Control of Complex Surface Mount Device Assemblies*, Smart Modular Technologies, Inc.
- Dr. Krishnaswami Srihari (PI) and Dr. Daryl Santos (Co-PI), *Evaluation and Characterization of Various Electronic Packages (Part A) - Agreement No. 14020576*, Analog Devices.
- Dr. Krishnaswami Srihari (PI) and Dr. Daryl Santos (Co-PI), *Evaluation and Characterization of Various Electronic Packages (Part B) - Agreement No. 14020577*, Analog Devices.
- Dr. Krishnaswami Srihari (PI) and Dr. Sangwon Yoon (co-PI), *A Comprehensive Simulation Study of Warehouse Management and Operations*, Raymond Corporation.
- Dr. Krishnaswami Srihari (PI) and Dr. Sangwon Yoon (co-PI), *Improvement of Electronics Assembly/Manufacturing Processes*, Sanmina-SCI Corporation.
- Dr. Krishnaswami Srihari (PI) and Dr. Sangwon Yoon (co-PI), *Pharmacy Automation System Modeling and Reliability Analysis*, Innovation Associates.
- Dr. Krishnaswami Srihari (PI) and Dr. Sangwon Yoon (co-PI), *Enhancement of Electronics Manufacturing and Assembly Processes*, Sanmina-SCI Corporation.
- Dr. Sangwon Yoon, *An Optimized Study of the Multi-Station SMT Machines in a PCB Assembly Production*, Samsung Techwin Company Limited.

**Watson Deans’ Office**
- Dr. Ronald Miles, *FY 2013 NIST Summer Undergraduate Research Fellowship*, National Institutes of Standards and Technology.