

Jyotirmay (Jyo) Gadewadikar, PhD, PMP

United States Permanent Resident

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EDUCATION

Massachusetts Institute of Technology (MIT), Cambridge, MA

February 2013

M.S. Candidate, Engineering and Management

Sloan School of Management and School of Engineering

Focus Areas: Product Management, Technology Strategy, Business and Technology Integration

Harvard Graduate School of Business (HBS), Cambridge, MA

December 2012

MBA Course Cross Registration, Executing Strategy

University of Texas at Arlington, Arlington, TX

May 2007

Ph.D., Electrical Engineering (Systems Theory)

Focus Areas: Robust Computing Algorithms to Control Complex Electromechanical and Communication Platforms

EXPERIENCE

Caterpillar, Peoria, IL

July-December 2011

Technology Consultant

- Achieved 20% process efficiency increase through design and implementation of Technology Transfer Architecture for Fuel Regulation Test Benches.
- Reduced Fuel Bench operation downtime through inventory Management of electronic control modules, software titles, sensors and electronics.

Sensors and Automation Laboratory, Lorman, MS

July 2007-December 2011

Director/Principal Investigator

- Achieved 500% funding increase, led health-care, aerospace, controls and automation, and business incubation projects with \$3.6+ Million in Federal funding.
- Supervised \$1 Million laboratory space renovation project to house 5 researchers and support staff.
- Achieved higher efficiency through resource estimation, risk management, and cost benefits analysis.

Qualcomm, San Diego, CA

August 2006-January 2007

Intern

- Achieved validation of Product Requirement compliance from Global Star Satellite phone group customers; designed test platforms and performed quality assurance activities.

SKILLS

- Microsoft Office, Excel (Financial Modeling, sensitivity analysis, optimization, Monte Carlo).
- Software languages: MATLAB/SIMULINK, VenSim, Ladder Logic, SMathStudio, 5Spice.
- Firmware/Data Acquisition: National Instruments, D-Space, Quanser.

AWARDS/PUBLICATIONS

- Caterpillar Recognition Award for China fuel bench startup support, 2011.
- Young Investigator, Scientific Leadership Award, Department of Homeland Security, 2010.
- Best Student Award, Automation and Robotics Research Institute, University of Texas, 2007.
- Qualcomm Employee Recognition Award "Qualstar", 2006.
- Journal Publications at IEEE and other forums; 12 Journals, 21 Conferences, and 1 book.

ACTIVITIES/INTERESTS

- External expert reviewer for socio-technical European Union Project Proposals.
- Interests in Barbecue, Yoga pranayam, promoting technology education in high school students.

IMMIGRATION STATUS/LANGUAGES

- United States Permanent Resident.
- Languages: English (Fluent), Marathi (Native), Hindi (Fluent).