

Accomplishments for Mark Polczynski as Engineering Director of Engineering Management

January 2005 - June 2009

(Please see: <http://www.technologyforge.net/MHPCV> for more additional information)

Financial

- ENMA program enrollment: Increased enrollment in program by a factor of 3 (10 to 30 students).
- ENMA course enrollment: Increased annual ENMA course hour enrollment by a factor of 3+, see [this](#) summary.
- ENMA course offerings: From (4) per year to (6) per year.
- Member: College of Engineering Industrial Innovation Consortium.

Curriculum

- ENMA course development: Developed six ENMA course from scratch, and seventh course for fall 2010. (Three additional courses developed by ENMA part-time temporary adjuncts). See www.technologyforge.net/enma for course list.
- ENMA certificates: Developed two new ENMA certificates for Fall 2008 offering, see: www.technologyforge.net/enma/ENMACertificates.htm
- Project facilitation: Facilitate average of twenty five ENMA student project teams per year.
- Virtual learning and teaming environment: Converted (1) ENMA course ([ENMA 6060](#)) for distance learning as of Fall, 2009. Conversion planned for (1) course per semester.

Assessment

- ENMA course assessment: Implemented on-line course and instructor assessment for all ENMA courses, available on-line to students at: www.technologyforge.net/ENMACourseAssessment.
- ENMA program assessment: Implementing on-line program assessment for ENMA program graduates and current ENMA students, available to students at: www.technologyforge.net/ENMAProgramAssessment.
- ENMA student performance assessment: Implementing student performance assessment tool, first survey being conducted 05/08, results to be available to students at: www.technologyforge.net/ENMAStudentPerformanceAssessment.
- ENMA Program Continuous Improvement: Established formal continuous improvement and communication process, see: www.technologyforge.net/ENMAImprovementActivities

Outreach

- ENMA program communications: Created public web portal for ENMA-related materials, see: www.technologyforge.net/enma
- ENMA industrial advisory board: Created industrial advisory board to stimulate continuous improvement of ENMA courses and program, see: www.technologyforge.net/enma/AB
- New Business Development: Key facilitator in spin-out of MU-COE technology to new venture Paradigm Sensors LLC, volunteer technology advisor to paradigm Sensors, see: www.paradigmsensors.com
- University partnerships: Signed letters of intent to cooperate with five major Polish technical universities. Taught summer courses at Poznan and Warsaw, Poland, see [Strategic Technology Planning and Development - One Week Course](#).

Research

- Industry partnership: Initiated KDAM knowledge Discovery and Analysis in Manufacturing consortium (with international participation), see: www.technologyforge.net/KDAM
- Academic partnership: Initiated KDAM research effort with Warsaw University of Technology, see: [Knowledge Discovery and Analysis in Manufacturing: A Next Generation Quality and Reliability Paradigm](#).