

e-Manufacturing Leadership Program

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Introduction

e-Manufacturing innovates processes for product design and development, purchasing and distribution, manufacturing and shop floor control, after-service and maintenance, and disposal and recycling and transforms the business relationships into collaborative partnerships rather than conventional adversary and competitive games. It integrates intra- and inter-enterprise business and engineering processes using the Internet and information technology so that the speed, quality, and cost across the value chains can be drastically improved. e-Manufacturing is a long-term objective of the manufacturing industry. It requires experts and leaders as well as proper technology and management initiatives. The e-Manufacturing Leadership (eML) Program is a unique interdisciplinary graduate program to foster specialists and leaders in e-manufacturing. The program was established in July, 2002. The participating departments are Industrial Engineering, Mechanical Engineering, and Computer Science. Twelve professors are now participating in the program. It was partially sponsored from the Ministry of Industry, Commerce, and Energy during 2003. The program tries to have close relationships with the manufacturing industry and information consulting businesses through the advisory committee that consists of industry specialists. The program also has collaborated with GEM (Global Education in Manufacturing) project, which is an international collaborative research program for developing a graduate program with a similar purpose.