



High Impact Technology Exchange Conference

*Educating America's Technical Workforce*

Fairmont Scottsdale (Arizona)

July 19–22, 2009

**Title:** Session E4: Mechatronics

**Date/Time:** Wednesday, July 22, 10:30 AM – 12:00 PM

**Location:** Fairmont Scottsdale Resort, Salon E

**Description:** Mechatronics is an interdisciplinary field of study that combines mechanical, electronic, and computer technologies for designing, building, and operating hybrid systems. Demand for technicians with multidisciplinary knowledge and skills is growing and many colleges are offering or considering establishing mechatronics programs to meet local workforce needs. Learn about this growing field including how to start a new program or improve an existing program. Examine best practices for newer and developing programs at Thomas Nelson Community College and Edmonds Community College. View a demonstration of a mechatronics module. Examples of curriculum and syllabi will be available for dissemination.

**Presenters:**

Jack L. Waintraub, P.E., Professor, Middlesex County College

Patricia Taylor, Dean, Math, Engineering & Technologies, Thomas Nelson  
Community College

Mel Cossette, Director, Business and Education – Material Sciences, Edmonds  
Community College



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