



High Impact Technology Exchange Conference

Educating America's Technical Workforce

Fairmont Scottsdale (Arizona)

July 19–22, 2009

Title: Session B6: Problem-Based Learning in Technology Education

Date/Time: Wednesday, July 22, 3:30 PM – 5:00 PM

Location: Fairmont Scottsdale Resort, Salon B

Description: Problem-based learning (PBL) is an educational approach in which students learn by actively and collaboratively solving real-world problems presented in a context similar to that in which the learning is to be applied. In today's ever-changing world where engineering technicians are required to work productively in teams to solve complex problems across disciplines as well as cultures, PBL represents an exciting alternative to traditional lecture-based instruction. In this interactive session, we present two examples of integration of problem-based learning into technology education: The PHOTON PBL Project and the Life Support and Sustainable Living (LSSL) pilot program.

Presenters:

Dr. Nicholas Massa, Co-PI, PHOTON PBL Project

Karen Wosczyzna-Birch, Executive Director, Regional Center for Next Generation Manufacturing (RCNGM)

Dr. Michele Dischino, Education Consultant, PHOTON PBL Project



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