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## CE 591 Environmental Engineering Seminar

# Sustainability: Market Drivers Shaping the Future of Engineering

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### Description:

There is not a day that goes by that we don't hear or read about the issues of climate change, energy and sustainability. We've grown accustomed to the news stories about the "Greening of America" and we're increasingly aware of the sustainability marketing efforts of major corporations in the food and beverage, petroleum, aerospace and other sectors. We've also seen the increased focus on sustainability with the engineering community as evidenced by formation of Sustainability Community of Practice by the Water Environment Federation (WEF) and the sustainable design courses that the American Council of Engineering Companies (ACEC) and others are offering. Universities are moving rapidly into this expanding markets with many business schools now offering sustainability focused MBAs and the Arizona State University is among the first institution in the US to offer BS, MS and PhD degrees in Sustainability. Market drivers are at work shaping the future and this presentation will provide an overview of the signals and trends of particular importance to engineering.

### Who Should Attend

Graduate students registered for CE591 (All Disciplines), outside professionals seeking information and PDU credit, and the general public with interest in how engineers are meeting the challenge of sustainable design.

### Format of Course

6:30 p.m. – 7:30 p.m. *Lecture and Q/A Session*

7:30 p.m. – 8:30 p.m. *Class Project* – students work individually or in groups on in-class assignment

8:30 p.m.-9:30 p.m. *Review* previous week assignment and provide current week assignment

### Date and Location

February 5, 2009 Salisbury Lab – RM 305 WPI Campus

### Registration Information

Professional Development Registration:

\$50 *Lecture Only* CRN 27964 CESUS01

\$150 *Lecture and Class Project* CRN 27978

CESUS01 -- 2 Hrs PDH's Awarded

Graduate Course Registration:

*CRN 27162 – 3 Credits Awarded*

### About the Speaker



**Mr. Tom A. Pedersen** is Director of Sustainability for CDM global operations encompassing over 4,000 employees in 100 offices worldwide. He leads firm-wide efforts in continual sustainability performance improvement addressing all triple bottom line dimensions. Mr. Pedersen consults to client organization senior managers on sustainability strategy development, performance improvement and change management. He is also chair

of the Water Environment Federation (WEF) Environmental Management System (EMS) Committee and vice chair of the Sustainability Community of Practice. Mr. Pedersen received his BS from Cornell University and MS from The Pennsylvania State University and has over 30 years of consulting experience.

*For more information or to register call 508-831-5517.*

*Graduate students may register at:*

<http://www.wpi.edu/Admin/Registrar/course056.html>;

*others may register through*

<http://cpe.wpi.edu/Individual/Workshops/regform.html>