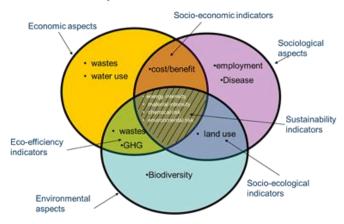
## Short Course and Workshop on

# Sustainability for Engineers

Sponsored by SWEDES, Dubrovnik, Croatia, September 24, 2013

#### Sustainability as the intersection of three domains





## Topics:

- Engineering Fundamentals of Sustainability
- Sustainability Analysis Tools and Techniques
- Sustainability Challenges in High-Volume Manufacturing
- Sustainability in Nanotechnology and State-of-the-Art Manufacturing
- Case Studies of Sustainability Analyses

#### Manufacturing of feed nano-materials Resources Transportation Nano-products of feed nano-materials Nano End-of-life disposal Manufacturing Introduction of other potentially harmful feed materials Nano-materials in manufacturing waste lischarge Factory or **LCA of Products** LCA of Feed and Emissions Laboratory Materials

#### **Instructors:**

- Dr. Subhas Sikdar
  Associate Director, National Risk
  Management Research Lab, US EPA
- Dr. Farhang Shadman,
  Regents Professor, Chemical and
  Environmental Eng., University of Arizona

### **Target Participants:**

- Practicing engineers
- R&D professionals interested in implementing sustainability
- Industry managers and planners
- Graduate students in engineering
- NGO personnel interested in industrial sustainability

For More Information and Registration:

Contact: <a href="http://www.dubrovnik2013.sdewes.org/">http://www.dubrovnik2013.sdewes.org/</a>

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