

IUCEE Workshop Summary

Richard Anderson

My expectations

- Initiative to improve teaching at Engineering Colleges

Workshop goals

- Teaching Algorithms, Discrete Structures, Data Structures
- Active Learning
- Advanced Topics

Impressions

- US – Indian courses closely aligned

Structural differences between programs

Opportunity for transfer of teaching methodology and new pedagogy

Major topic of interest

- Conducting scholarship at teaching institution

Major challenge

- Getting a PhD

Issue 1: Career Advancement

Issue 2: Active scholarship

- Create an environment that allows faculty to be active in scholarship

Promote scholarship in teaching and learning

- Recognize area of scholarship
- Connect education and research

Build research communities

- Organizational issues
- Create research challenges / problem areas

What is the role of international ties in this

- What can the US get out of this?
 - International student experiences
 - Institutional ties
 - Understanding of engineering/computing in India