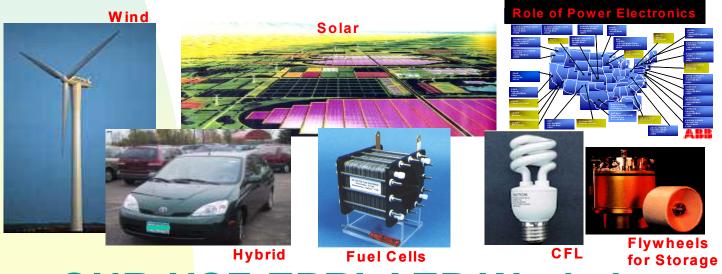
Electric Energy Systems Curriculum

With Emphasis on

- Renewables
- Smart DeliveryEfficient End-Use



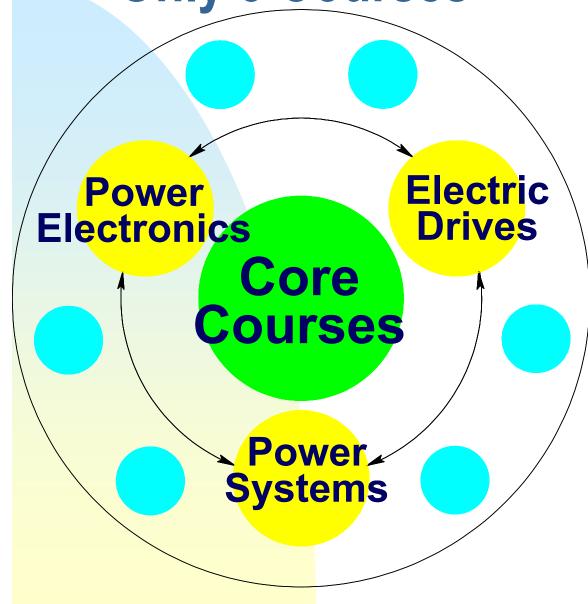
ONR-NSF-EPRI-AEP Workshop Corvallis, OR July 21-25, 2009

Thank You!

Group Effort:

- Ned Mohan
- Bill Robbins
- Bruce Wollenberg
- Paul Imbertson
- Tom Posbergh
- Dr. Narain G. Hingorani (Project Consultant)
- Students

Integrated Curriculum – Only 3 Courses



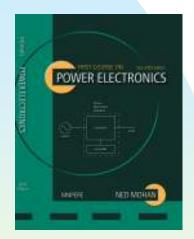


Complementary Courses:

- Analog/Digital
 Control
- DSPs, FPGAs
- Programming Languages
- Heat Transfer
- Thermo Students are Broadly Trained; They can work in any field of EE.

Resources: Course Learning Objectives

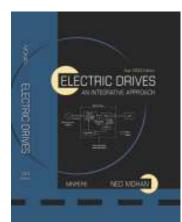
Power Electronics:





PSpice Lab:

Electric Drives:







Power Systems:



Software Lab:

MATLAB/Simulink PowerWorld PSCAD-EMTDC

Evolving – Comments needed

- Solution Manuals
- PowerPoint Slides for Instructors

Low-cost Hardware Labs

Used in 97 University Courses

PSpice Lab and Power Systems

Lab are on the website – free to

download

Join the Distinguished Resource Faculty List

Online Courses Available for University Education (Free?)

First-Year Graduate Courses

- Power Electronics
- Electric Drives
- Power Systems

Next Workshop: Tucson, AZ February 4-6, 2010

