June 18-19, 2002 Workshop
Welcome
Don Collins (NETL)
Prahbakar Singh (PNNL)
June 18, 2002
Welcome Discussion

- Workshop Objectives
- Peer Review
- Guest Speakers
- Project Management Team
- Hotel & Workshop Logistics
Where Are We Headed?

You got to be careful, if you don’t know where you’re going because you might not get there!

Yogi Berra
Workshop Objectives

- **Transfer Science & Technology**
  - SECA Industry Teams
  - Core Researchers
  - Support & Leverage Programs
  - Other Fuel Cell Developers

- **Suggestions for Improvement**
  - Question & Comment Periods
  - Peer Review Forms

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**Research Topics**

- Power Electronics
- Materials Science
- Power Electronics
- Manufacturing
- Controls & Diagnostics
- Fuel Processing
- Manufacturing

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**Industry Integration Teams**

- Technology Transfer
- Project Management
- Core Technology Program

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**Workshop Objectives**

- Needs
- Core Technology Program
- Fuel Cell Core Technology
- University National Lab Industry Small Business
Core Technology Peer Review Objectives

- **Progress Assessment**
  - Timely, *Constructive* & *Critical* Feedback
  - Increase Likelihood of Success

- **Strengthen Value of R&D Portfolio**
  - Increase Value to SECA Industrial Teams
Peer Review Forms

- Science & Technology Issues
- Objectives & Approach
- Results
- Applicability
- Additional Comments

Evaluate areas you feel qualified to assess!
Peer Review Scale & Definitions

☑ Check One
☐ Not at all  ☐ Marginal  ☐ Significant  ☐ Superior  ☐ Outstanding

Not at all – is viewed to be inferior in quality and amount, possibly duplication of existing work
Marginal – provides/likely to provide little useful knowledge or technology advancement
Significant – has/will have an influential impact on the core science and technology
Superior – is considerable in quantity, quality of advancement of core science and technology
Outstanding – marked by eminence and distinction in advancing the state-of-the-art and/or knowledge in the fields of science and engineering
Review Process Summary

- **Core Technology Project Presentations**
  - Project Objectives & Results
  - Non-proprietary Information
  - Industry & National Lab Staff Participate Remotely

- **Verbal & Written Constructive Comments**
  - Written Comments on Peer Review Forms
  - Industry Verbal Feedback at Workshop

- **Core Participant Review & Reply to Comments**
  - Reply to Comment Issues

- **DOE NETL Redirect Projects as Needed**
Guest Speakers

☆ Terry DuBois
  U.S. Department of the Army

☆ Robert Glass
  Lawrence Livermore National Laboratory

☆ James Hardy
  Oak Ridge National Laboratory

☆ Susan Maley
  National Energy Technology Laboratory

☆ Don Adams
  Oak Ridge National Laboratory
Project Management Team

- **Materials**
  Lane Wilson (NETL) & Jeff Stevenson (PNNL)

- **Manufacturing**
  Wayne Surdoval (NETL) & Prahbakar Singh (PNNL)

- **Fuel Processing**
  Dave Berry (NETL) & Dave King (PNNL)

- **Controls & Diagnostics**
  Susan Maley (NETL) & Bob Glass (LLNL)

- **Power Electronics**
  Don Collins (NETL) & Don Adams (ORNL)

- **Modeling & Simulation**
  Bill Rogers (NETL) & Moe Kahleel (NETL)
Hotel & Workshop Logistics

- **Hotel**
  - Restrooms
  - Breaks & Lunch
  - Hotel Shuttle (10 mile limit ++)
  - Business Center in Lobby

- **Workshop**
  - Agenda & Times
  - Peer Review Forms
  - Net-Conferencing Participants
Knowing Where We’re Headed!

What’s the use of running fast if you’re not on the right road?

Old German Proverb