

# *SECA Annual Workshop and Core Technology Program Peer Review Agenda*



*Sponsored by:*  
*U.S. Department of Energy*  
*Office of Fossil Energy*  
*National Energy Technology Laboratory*  
*and Pacific Northwest National Laboratory*

*May 11-13, 2004*



**Pacific Northwest  
National Laboratory**

Operated by Battelle for the  
U.S. Department of Energy

# SECA Annual Workshop and Core Technology Program Peer Review

**Tuesday, May 11, 2004 – Day 1**

- 7:00 am            Registration & Continental Breakfast – Foyer Grand Ballroom
- 7:50 am            Welcome – Grand Ball Room  
*Mark Williams*, U. S. Department of Energy, National Energy Technology Laboratory
- Plenary - Moderator:**  
**Mark Williams**, U.S Department of Energy, National Energy Technology Laboratory
- 8:00 am            SECA Program Overview  
*Wayne Surdoyal*, U. S. Department of Energy, National Energy Technology Laboratory
- 8:30 am            Future Gen –Electricity, Hydrogen and Carbon Sequestration – A New DOE Initiative  
*Michael Eastman*, U. S. Department of Energy, National Energy Technology Laboratory
- 9:00 am            Truck APU's - Energy Efficiency and Renewable Energy  
*John Garbak*, U.S. Department of Energy,  
Office of Hydrogen, Fuel Cells and Infrastructure
- 9:30 am            **Break – Grand Ballroom Foyer**

**Industrial Teams - Moderators:**

**Wayne Surdoyal**, U.S. Department of Energy, National Energy Technology Laboratory  
**Gary McVay**, U.S. Department of Energy, Pacific Northwest National Laboratory

- 10:00 am            Delphi/Battelle, *Steven Shaffer*
- 10:45 am            General Electric Energy, Hybrid Power Generation Systems, *Nguyen Minh*
- 11:30 am            **Group Lunch – Atrium and Marquis Rooms**
- 1:00 pm            SiemensWestinghouse Power Corporation, *Shailesh Vora*
- 1:45 pm            Cummins Power Generation, *Daniel Norrick*
- 2:30 pm            **Break – Grand Ballroom Foyer**
- 3:00 pm            Acumentrics Corporation, *Norman Bessette*
- 3:45 pm            Fuel Cell Energy Ltd., *Pinakin Patel*
- 4:30 pm            Program Feedback, Q&A
- 5:00 pm            **Adjourn**



## Wednesday, May 12, 2004 – Day 2

7:00 am Registration & Continental Breakfast – Grand Ballroom Foyer

### Grand Ballroom

#### Modeling and Simulation - *Moderators:*

*Moe Khaleel, U.S. Department of Energy, Pacific Northwest National Laboratory*

*Travis Shultz, U.S. Department of Energy, National Energy Technology Laboratory*

8:00 am Pacific Northwest National Laboratory, *Moe Khaleel*

8:30 am Georgia Tech, *Jainmin Qu*

9:00 am University of Florida, *Eric Wachsman*

9:30 am MSC Software, *Zach Pursell*

10:00 am **Break – Grand Ballroom Foyer**

10:30 am Oak Ridge National Laboratory, *Edgar Lara-Curzio*

11:00 am University of Illinois, *Sudip K. Mazumder*

11:30 am Fluent Inc., *Michael Prinkey*

12:00 **Group Lunch – Atrium and Marquis Rooms**

#### Fuel Processing - *Moderators:*

*David Berry, U.S. Department of Energy, National Energy Technology Laboratory*

*David King, U.S. Department of Energy, Pacific Northwest National Laboratory*

1:00 pm National Energy Technology Laboratory, *David Berry*

1:30 pm Los Alamos National Laboratory, *Rodney Borup*

2:00 pm Pacific Northwest National Laboratory, *David King*

2:30 pm **Break – Grand Ballroom Foyer**

3:00 pm Argonne National Laboratory, *Michael Krumpelt*

### Carbon and Sulfur Tolerant Anodes

3:30 pm Pacific Northwest National Laboratory, *Olga Marina*

#### Seals - *Moderators:*

*Travis Shultz, U.S. Department of Energy, National Energy Technology Laboratory*

*Prabhakar Singh, U.S. Department of Energy, Pacific Northwest National Laboratory*

4:00 pm Sandia National Laboratory, *Ronald Loehman*

4:30 pm Pacific Northwest National Laboratory, *Matt Chou*

5:00 pm **Adjourn**

6:00 pm Reception & Poster Session – Grand Ballroom Foyer  
Hosts: Magda Rivera and Shawna Toth, National Energy Technology Laboratory  
**Industry Team Exhibits – Adrienne de Lafayette Salon**

*Core Technology presentations will include a 10 minute question and rating period*

# Thursday, May 13, 2004 – Day 3

7:00 am Registration & Continental Breakfast – Grand Ballroom Foyer

## **Manufacturing and Power Electronics - Moderators:**

*Don Collins, U.S. Department of Energy, National Energy Technology Laboratory*

*Prabhakar Singh, U.S. Department of Energy, Pacific Northwest National Laboratory*

8:00 am NexTech Materials Ltd., *Scott Swartz*

8:30 am Virginia Tech, *Jason Lai*

## **HiTEC - High Temperature Electrochemistry Center - Moderator:**

*Prabhakar Singh, U.S. Department of Energy, Pacific Northwest National Laboratory*

9:00 am Montana State University, *Lee Spangler*

9:30 am **Break- Grand Ballroom Foyer**

## **Materials - Moderators:**

*Lane Wilson, U.S. Department of Energy, National Energy Technology Laboratory*

*Jeff Stevenson, U.S. Department of Energy, Pacific Northwest National Laboratory*

## **Interconnects**

10:00 am Pacific Northwest National Laboratory, *Gary Yang*

10:30 am Argonne National Laboratory, *Michael Krumpelt*

11:00 am University of Pittsburgh, *Gerald Meier*

11:30 am University of Washington, *Stuart Adler*

12:00 **Group Lunch – Atrium and Marquis Rooms**

1:30 pm Ceramatec, *S. Elangovan*

## **Cathodes**

2:00 pm Albany Research Center, *John Dunning*

2:30 pm Georgia Tech, *Meilin Liu*

3:00 pm **Break – Grand Ballroom Foyer**

3:30 pm Pacific Northwest National Laboratory, *Steve Simner*

4:00 pm Lawrence Berkeley National Laboratory, *Steven Visco*

4:30 pm **Adjourn**