



Pacific Northwest  
National Laboratory  
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## SECA Core Technology Program SOFC Seal Meeting

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Dear Colleague,

The SECA Core Technology Program invites you to participate in a “Solid Oxide Fuel Cell Seal” meeting to be held at Sandia’s Advanced Materials Laboratory on July 8-9, 2003. The objective of this meeting is to address SOFC sealing issues and requirements, and to prepare a technology roadmap for meeting the performance and lifetime targets of the SECA fuel cell systems. In this meeting, the current status of SOFC sealing technology, including seal materials, materials interactions, and failure processes, will be summarized. Development approaches and advanced concepts will also be identified and prioritized using a facilitated brain storming session. It is anticipated that the roadmap developed at this meeting will help in the scoping and coordination of future SECA-related SOFC sealing activities.

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**Updated AGENDA**

**SECA Core Technology Program - SOFC Seal Meeting**

Tuesday - July 8, 2003

8:15 am	Welcome .....	Sandia National Laboratory
8:25 am	SECA Overview.....	Wayne Surdoval
8:40 am	SOFC Overview.....	Prabhakar Singh
9:00 am	Materials Status.....	Jeff Stevenson
9:35 am	Failure Analysis .....	Moe Khaleel
10:10 am	Break	
10:20 am	Sandia Capabilities.....	Bill Hammeter
11:20 am	SBIR Projects	
	Nextech (30 min) .....	Matt Seabaugh
	Ceramatec (30 min).....	Charles Lewinsohn
12:20 pm	Lunch	
1:30 pm	Issues/ requirements.....	Moe Khaleel/Jeff Stevenson
	<i>Moderator:</i> Kevin Moore	
	Brainstorming	
	Advanced Concepts	
	Technology gaps	
	Development Methodology	
5:00 pm	Adjourn	

Wednesday - July 9, 2003

8:30 am	Results from 1 <sup>st</sup> Day	
	<i>Moderator:</i> Kevin Moore	
	Issues, Potential solutions, Approaches	
	Prioritization	
	Technology summary and status	
12:30 pm	Concluding remarks .....	Wayne Surdoval/Prabhakar Singh
1:00 pm	Adjourn	



## Meeting Participants

### SECA Industry Team:

Nguyen Minh  
Shubi Mukerjee  
Shailesh Vora  
Eric Barringer  
Pinakin Patel  
Norm Bessette

GE Power Systems  
Delphi  
Siemens Westinghouse  
Cummins/McDermott  
Fuel Cell Energy  
Acumentrics

### SBIR Projects:

Matt Seabaugh  
Charles Lewinsohn

Nextech  
Ceramatec

### Program Participants:

Dick Brow  
Tony Tomsea  
Raj Singh  
Stan David  
Gerry Meier  
Jeff Stevenson  
Moe Khaleel  
Mike Krumpelt  
Fred Krause  
Bob Owens  
John Dunning  
Bruce Steinetz  
John Hopkins  
Rabindra Bhattacharyya  
Jianmin Qu  
Anil Virkar

UMR  
UC Berkley  
U Cincinnati  
ORNL  
U Pitt  
PNNL  
PNNL  
ANL  
GE Aircraft Engines  
Pratt &Whitney  
Albany  
NASA  
Army Research Lab  
Alcoa  
Georgia Tech  
MSRI

### SECA CTP Team:

Wayne Surdoval  
Mark Williams  
Prabhakar Singh  
Kevin Moore  
Bill Hammeter  
Marvin Singer

NETL  
NETL  
PNNL  
Energetics  
SNL  
DOE-HQ



### Contact Information

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