

SECA Modeling & Simulation Team – Integration Meeting
October 15, 2002
Hyatt Pittsburgh Airport

Meeting Objectives

- Integrate new Core Technology projects into the SECA Modeling and Simulation Team
 - University of Florida
 - Georgia Technical Institute
 - University of Illinois
 - TIAX
- Obtain & address SECA Industry Team needs/issues
- Establish a plan to transfer new modeling and simulation tool, and data to industry teams

AGENDA

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| 8:00-8:10a.m. | Welcome and Introduction
Don Collins, NETL |
| 8:10-8:30a.m. | Modeling and Simulation Program Overview
Moe Khaleel, PNNL |
| 8:30-8:40a.m. | Questions and Suggestions |
| 8:40-9:10 a.m. | SOFC Model Development at NETL
Bill Rogers, NETL |
| 9:10-9:20a.m. | Questions and Suggestions |
| 9:20-9:30a.m. | Break |
| 9:30-10:00a.m. | SOFC Model Development at PNNL |
| 10:00-10:10a.m. | Questions and Suggestions |
| 10:10-10:40a.m. | SOFC Material Test & Characterization at ORNL
Edgar Lara-Curzio, ORNL |
| 10:40-10:50a.m. | Questions and Suggestions |
| 10:50-11:20a.m. | Manufacturing Model Development
Johannes Thijssen, TIAX |
| 11:20-11:30p.m. | Questions and Integration Suggestions |
| 11:30-12:15p.m. | Lunch |
| 12:15-12:45p.m. | Failure Analysis Modeling
Jianman Qu, Georgia Institute of Technology |
| 12:45-1:00 p.m. | Questions and Integration Suggestions |

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- 1:00-1:30p.m. Modeling of Oxygen Gradient Effects on Performance and Failure Modes
Eric Wachsman, University of Florida
- 1:30-1:45p.m. Questions and Integration Suggestions
- 1:45-1:55p.m. Break
- 1:55-2:25p.m. Modeling of Electrical Interactions with SOFCs
Sudip Mazumder, University of Illinois
- 2:25-2:40p.m. Questions and Integration Suggestions
- 2:40-3:15p.m. Industry Team Comments and Suggestions/Action Items
Facilitators - Don Collins, NETL
Moe Khaleel, PNNL
- 3:15-4:00p.m. Optional NETL Tour
Bill Rogers, NETL