

Center for Computational Materials Design (CCMD)



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Agenda

NSF I/UCRC CCMD Meeting

Georgia Tech Manufacturing Research Center, Atlanta, GA

February 21-22, 2007

Wednesday, February 20

User Workshops for CCMD Technologies (focusing on outcomes of projects near end of 2nd year)

2-4 pm, 4-6 pm, 7-9 pm - To be arranged, Location: TBD

- Methods and applications of systems-based materials design: tutorial and discussion
- Phase field modeling – tools, methods, user needs
- Methods for simulation-based fatigue design – tools, methods, user needs
- MatCase – user tutorial and applications

Thursday, February 21

7:45–8:30

Continental breakfast

8:30–9:00

Welcome

Alex Schwarzkopf, Lead NSF I/UCRC Program Manager

Zi-Kui Liu, CCMD Director

Overview of Agenda

Dave McDowell, CCMD Co-Director

9:00–9:45

Zi-Kui Liu, PSU

- Membership update and dues received
- Modifications of MOA
- Overview of existing projects and the project mentors
- Future meeting dates
- Annual questionnaire feedback, Steve McGregor
- Report from MAB Recruiting Committee (MAB Chair)

9:45-10:15

Dave McDowell, GT

Overview of new projects based on August 2007 meeting; discussion of mentors and mentor list

10:15–10:30

Break

10:30–12:10 pm

Graduate student presentations of deliverables and major results of initial five projects, 2006-2008

CCMD Project Reviews

12:15–1:15 pm

Lunch in MaRC Atrium

1:30–2:15

Update on Integrated Computational Materials Engineering initiative, National Materials Advisory Board – John Allison, Ford



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- 2:20- 3:00 Graduate student presentations, summary of progress and collaborative activities for five projects started in 2007
- 3:15 Break and Poster session for overview of new projects starting April 2008
- 4:00-5:30 Graduate student presentations, summary of progress and collaborative activities for five projects started in 2007
- 6:00 pm *Dinner*

Friday, February 22

- 7:45–8:30 *Continental breakfast*
- 8:30 -9:30 Panel Discussions
Room 1: Technology transfer – initial five projects
Room 2: Mentoring opportunities – recently funded projects
- 9:30 LIFE Forms for CCMD projects, Zi-Kui Liu, Steve McGregor
- 10:20 break
- 10:35 Summary reports from breakout sessions:
 - Technology transfer – initial five projects
 - Mentoring opportunities – recently funded projects
- 11:00 – 11:45 MAB closed session (led by MAB Chair and Vice Chair)
- 11:45 Wrap-Up
CCMD MAB Chair
Zi-Kui Liu, CCMD Director
Dave McDowell, CCMD Co-Director
Steve McGregor, CCMD Evaluator
- 12:15 pm *Lunch in MaRC Atrium*
- 1:30 Adjournment

Post meeting workshops

- Methods and applications of systems-based materials design: tutorial and discussion



National Science Foundation
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