

DRAFT AGENDA

NSF Industry/University Cooperative Research Program Semiannual Review

April 19-21, 2010

Monday, April 19 – Center for NDE, 102 Applied Sciences Complex III

8:00 a.m. **Simulation Planning Meeting**

- Review of Utopian View
- Broad Interpretation of Task Structure in Terms of Utopian View
- Review of Simulation Prioritization Survey
- Discussion of Simulation Task Roadmaps in Context of Utopian View and Simulation Survey
- Discussion of Role of Federally Funded Tasks in Context of Utopian View and Simulation Survey
- Summary of UT Research Codes Not Incorporated in UTSIM

12:00 p.m. **Catered lunch**
(102 Applied Sciences Complex III)

3:00 p.m. **Information Meeting – Ultrasonics**

Objective:

To provide the sponsors with a high-level overview of all CNDE programs aimed at understanding and improving ultrasonics.

Format:

A series of presentations will be given describing work that is being supported by a variety of sources of funding.

6:00 **Dinner, Industrial Advisory Board Members, 102 Applied Sciences Complex III**

7:00 **Industrial Advisory Board Meeting, 102 Applied Sciences Complex III**

Andy Gavens, Chair
Bechtel Marine Propulsion
Company

Tuesday, April 20 – Center for NDE, 257 Applied Sciences Complex II ,Auditorium

8:00 a.m. **Continental breakfast**

8:40 **Center Summary** **Bruce Thompson,**
Director – CNDE

Technical review

9:00 **2.3 Applications of Direct and Inverse Problems** **John Bowler**

9:25 **2.1 Advanced Techniques and Probe Development** **Nicola Bowler**

9:50 **2.2 Development and Application of EM Measurement Models** **Norio Nakagawa**

10:15 **Coffee break**

10:30 **Poster Session and Discussion (First Floor)**

12:00 p.m. **Catered lunch**
(102 Applied Sciences Complex III)

Technical review

1:30 p.m.	5.1 Signal and Image Processing.....	Aleksandar Dogandzic
1:55	1.2 Advanced Modeling Foundations	Les Schmerr
2:20	6.3 Ultrasonic Characterization of the Microstructural and Mechanical Properties of Metals and Ceramics.....	Bruce Thompson
2:45	Student Presentation – TBD	??

3:10 Coffee break

3:30 Poster Session and Discussion (First Floor)

5:00 Adjourn

6:00 *Dinner Location - Café Shi, 823 Wheeler Street, Ames, IA*
Social Gathering – 6:00 p.m. with Dinner at 6:45 p.m.

Wednesday, April 21– Center for NDE, Applied Sciences Complex II ,Auditorium

8:00 a.m. Continental Breakfast

8:30 Spirit Sponsor Presentation Peter Wu

9:00 Cessna Aircraft-Textron Sponsor Presentation..... Jay Amos

9:30 Feedback Session

9:45 Coffee break

10:00 Ultrasonics Planning Session

11:00 Industrial Advisory Board Meeting

12:00 p.m. Catered lunch
(102 Applied Sciences Complex III)

1:00 p.m. **Vibrothermography Project Planning Session**
Joint discussion regarding how to modularize and develop our understanding of this exciting but complex measurement technique

- Generic components best done at CNDE
- Strategies for integrating this with company specific activities tailored to individual corporate needs

5:00 Adjourn