



**Agenda of Winter 2008 Project Review & IAB Meeting  
NSF I/UCRC Smart Vehicle Concepts Center**

The Ohio State University  
E100 Scott Laboratory, Dept. of Mechanical Engineering, 201 West 19th Ave, Columbus, OH 43210

**February 6**

**Wednesday**

- 12:00 – 1:00     **Registration / Boxed Lunch**
- 1:00 – 2:45     **Center Overview Session**  
    1:00     *Welcome and Introduction* - Raj Singh, Center Director  
    1:10     *Welcome* - Greg Washington, Associate Dean for Research, OSU College of Engineering  
    1:20     *Welcome* - K. (Cheena) Srinivasan, Chair, Department of Mechanical Engineering  
    1:25     *Remarks* - NSF I/UCRC Program - Eric Sundstrom and Raj Singh  
    1:35     *Evaluation (LIFE) Forms* - Eric Sundstrom, NSF Evaluator  
    1:45     *State of the Center* - Raj Singh, Center Director  
    2:40     *IAB Meeting Agenda* – Duane Detwiler, IAB Chair
- 2:45 – 3:15     **Short Course:** Smart Materials Selection & Design Guidelines - Marcelo Dapino & Greg Washington
- 3:15 – 3:45     **Break (coffee and soft drinks)**
- 3:45 – 4:15     **Short Course (contd.):** Smart Materials Selection & Design Guidelines
- 4:15 – 5:15     **Technical Session I (on Sponsored Projects)**  
    4:15     Electro-Hydrostatic Actuation and Sensing – Tom Walters & Marcelo Dapino (*Project 1*)  
    4:45     Development of Interfacial Force Sensing Systems - Raj Singh (*Project 20*)
- 5:15 – 6.45     **Reception & Networking** (*Room E100*)

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- 7:30 – 8:00     **Coffee and Bagels**
- 8:00 – 8:45     **New Research Opportunities**  
Safety & Energy Thrusts - Joseph Heremans, James Schmiedeler & Marcelo Dapino
- 8:45 – 10:15    **Technical Session II (on Sponsored Projects)**  
8:45            Micro-Sensors for Sound Measurement - Marcelo Dapino (*Project 33*)  
9.15            Comparative Design Tool for Smart Engine Mounts - Raj Singh (*Project 3*)  
9:45            Multifunctional Composites with Embedded Sensing – Ryan Hahnlén, Marcelo Dapino & John Lippold (*Project 7*)
- 10.15 – 10:45   **Break (coffee and soft drinks)**
- 10:45 – 12.00   **Technical Session III (on Sponsored Projects)**  
10.45            Noise and Vibration Technology for Rotorcraft Gearboxes and Airframes - Raj Singh & Greg Washington (*Project 32*)  
11.15            Interfacial Mechanisms – Marcelo Dapino (*Projects 30, 31, 35 & 36*)
- 12:00 – 1:00    **Boxed Lunch & Presentations by Potential Academic Partners**  
12.00            Pick up lunch boxes  
12.15            Brief presentation on Virginia Tech – Rakesh Kapania  
12.35            Brief presentations on Texas A&M – Dimitris Lagoudas  
12.55            IAB members to go to room E525
- 1:00 – 3:00     **Industrial Advisory Board meeting (Room E525, for IAB members + NSF + Center Director)**  
*Overview* - Duane Detwiler, IAB Chair  
*SVC Operational Report* (Finances, Supplemental Funds, etc.) – Raj Singh  
*NSF I/UCRC Centers & IP Issues* – Raj Singh & Cyndy Bonsignore  
*Member Perspective* – Sponsors  
*LIFE Form Summaries and Discussion* – Eric Sundstrom  
*Next Steps* (Bylaws, Future Projects, Collaborations, and Summer 2008 Meeting)
- 1:00            **Informal meetings with researchers (Room E100, for non-IAB participants)**
- 3:00 – 3:20     **Break (coffee and soft drinks)**
- 3:20 – 4:00     **Wrap-up Session**  
3:20            Report by the IAB Chair - Duane Detwiler  
3.35            Report by the NSF Evaluator - Eric Sundstrom  
3.50            General discussion and next steps (Summer 2008 review and IAB meeting)  
4.00            Adjourn
- 4:00 – 5:00     **Tour of Facilities (optional)**

