

Agenda

First IAB meeting, I/UCRC for Water Equipment and Policy,
Marquette University, May 13-14, 2010
Raynor Library, Beaumier Suite A

May 13, 2010

7:45 am Participant registration

7:45-8:30 am Breakfast and social time

8:30 – 8:40 am Welcome remarks

Stanley Jaskolski, Dean of Engineering, MU
Michael Lovell, Dean of Engineering, UWM

8:40-9:15 am Kickoff Meeting Goals

Michael Switzenbaum, Site Director, MU
Erik Christensen, Center Director, UWM

9:15-10:00 am NSF/I/UCRC presentation

Babu DasGupta, Program Director, NSF

10:00 – 10:15 am **Break**

10:15 – 12:15 pm **Project presentations, MU**

Chung-Hoon Lee, Micro-calorimeter for real-time water quality monitoring
Fabien Josse, Chemical sensors for monitoring contaminants in aqueous environments
Daniel Zitomer, Staging for anaerobic treatment
Anthony Bowman, Systems for waste water/heat recovery
Charles Melching, Risk assessment to meet Clean Water Act goals

12:15-1:00 **Lunch**

1:00 – 3:00 pm **Project presentations, UWM**

Ganhua Lu and Junhong Chen, Hybrid nanomaterials for low-cost detection of chemicals and bacteria in water
Pradeep Rohatgi, Self cleaning materials for water industry
Nidal Abu-Zahra, Lead removal using foam polymers impregnated with Nano ZrP/TiP
Zhen He, Microbial Fuel cell technology for simultaneous bioenergy production and wastewater treatment
Hector Bravo, Improving aeration effectiveness

3:00 – 3:15 pm **Break**

3:15 – 4:30 pm Industry Workshop, including discussion of projects and company needs not addressed in the above project presentations
IAB moderated

4:30- 5:15 pm Discussion and agreement on Bylaws & Election of IAB Chair and Chair-Elect (Secretary)

5:15-5:30 pm Review of evening and day 2 activities
Erik Christensen, Center Director, UWM

5:30 pm Technical forum and social: Poster session
reception, etc.

Posters:

Development of a rapid Lead leach test for cast water meter bodies (Benjamin Church, UWM)

Water purification using novel nanomaterials (Ganhua Lu and Junhong Chen, UWM)

Monitor meter performance (George Corliss, MU)

Concurrent wastewater treatment and hydrogen production in a solar photoreactor using nanostructured catalysts (Qianyi Zhang and Ying Li, UWM)

Greywater assessment (Daniel Zitomer and Michael Switzenbaum, MU)

Wastewater volume reduction following random discrete events (George Corliss, MU)

Proposed WDNR phosphorus water quality standards for lakes, streams and rivers (Yonghong Zou and Erik Christensen, UWM)

May 14, 2010

7:45 – 8:15 am Arrival and breakfast

8:15 – 8:45 am Feedback from the industry workshop
IAB Chair

8:45-9:45 am LIFE form review and discussion
IAB Chair or Teresa Behrens, Center Evaluator

9:45 – 10:00 am **Break**

10:00 – 10:30 am Project review and project recommendations for the Center
IAB Chair

10:30 – 10:45 am Center 5 year Vision and Future IAB meeting plans
IAB Chair, Site and Center Directors

10:45 – 11:15 am NSF Closed session with industry
NSF Program Director, IAB Chair and Teresa Behrens, Center Evaluator

11:30 am **Public announcement of new center**, Alumni Memorial Union, Room 227