

9th Annual Chemical Engineering Advisory Board Meeting

Thursday 13 Nov 2014			
1930-2130	No-host Social and Dinner	TBD	
Friday 14 Nov 2014			
0630-0700	Checkout	5-Star Inn	MAJ Winter/TMP
0700-0800	Breakfast	Andy's	MAJ Winter/TMP
0800-0830	Movement to Bartlett Hall	Andy's to BH	MAJ Winter/TMP
0830-0845	Introductory Remarks	Photonics CR	COL Robert, Dr. Biaglow
0845-0930	Outcomes Assess & Discuss	Photonics CR	Dr. Biaglow
0930-0955	Break	Photonics CR	Board completes Survey 1
0955-1035	Assessment, continued	Photonics CR	Dr. Biaglow
1035-1050	Break	Photonics CR	Board completes Survey 2
1045-1100	Movement to BGG	BGG	
1100-1150	Discussion – Cadets	BGG	2 nd & 1 st Class Cadets
1150-1245	Lunch – 1 st Class Cadets	BGG	<u>Working Lunch</u>
1245-1345	Career panel Discussion	Photonics CR	
1300-1330	Back-brief – Cadet Discussions	Photonics CR	
1330-1430	Future Challenges	Photonics CR	
1430-1445	Break	Photonics CR	
1445-1530	Tour of construction area and new lab space	Photonics CR	COL Comitz?
1530-1600	Wrap up	Photonics CR	Board members complete all

Josh Controls course made sense in context of CH459
More practical oriented here and theoretical in Brazil.
They would like more practical application - desire more

Lucy Cons train a real problem - provides no
Alex Parra

Seniors are ready; juniors ^{sophomores} are not
having finished junior year
sophomores are not ready.

Objective 2

Contribute to the solution of ^{process systems}
with the engineering use the engineering thought process
to the solution of

Keep complex operational environment

Let the word "optimize" in there.

Contribute to the solution of problems using the
engineering

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Selected AIADs Approved for AY2014

Click here for examples of cadet posters from AY14

Lawrence Livermore National Laboratory

12395 - Lawrence Livermore National Laboratory Military Academy Research Associates - DOE Livermore National Labs - Livermore, CA

Army Research Labs

12420 - Flexible Carbon Nanotube Thin Film Loudspeakers - Vehicle Technology Directorate - Aberdeen Proving Ground, MD

12424 - Bioelectrochemical and Systems Biology Research - Sensors and Electronic Devices Directorate - Adelphi, MD

12425 - Synthetic Biomaterials Research - Sensors and Electronic Devices Directorate - Adelphi, MD

12518 - Fuel Cells in Military Applications - Sensors and Electronic Devices Directorate - Adelphi, MD

Picatinny Arsenal

12442 - Improvised Armaments - RDECOM ARDEC - Picatinny Arsenal, NJ

12508 - Development of Green Pyrotechnic Illuminators - RDECOM ARDEC - Picatinny Arsenal, NJ

12509 - Photonic Analysis and Characterization of Energetic Materials - RDECOM ARDEC - Picatinny Arsenal, NJ

12577 - Modifying Demilitarization Optimizer Model - RDECOM ARDEC - Picatinny Arsenal, NJ

12578 - Commercially Available Demilitarization Technologies - RDECOM ARDEC - Picatinny Arsenal, NJ

12579 - Sustainable Pyrotechnics for Armament Life Cycle Management - RDECOM ARDEC - Picatinny Arsenal, NJ

Washington Penn Plastics

12432 - Development of Flame Retardant Compounds - Washington Penn Plastics Company, Inc. - Washington, PA

Uniform Color Company

12438 - Lab-to-Sample Scale-up Process - Uniform Color Company, Inc. - Holland, MI

Southern Polymer, Inc.

12439 - Color Trends Marketing and Color Design - Southern Polymer, Inc. - Atlanta, Georgia

US Army Engineer Research Development Center

12440 - Sensors Combining Microfluidics and Biological Systems - US Army Engineer Research Development Center - Champagne, IL

RDECOM

12472 - Bio-inspired materials Research - RDECOM Institute of Collaborative Biotechnologies - Santa Barbara, CA

12880 - Chemical and Bioengineering Research Projects at the Institute for Soldier Nanotechnologies - RDECOM ISN - Boston, MA

12512 - Chemistry, Life Science, and Chemical Engineering Research at ECBC - RDECOM ECBC - Edgewood, MD

12535 - Waste-to-Energy Research - RDECOM ARDEC - Cobleskill, NY

12437 - Chemical and Biological Engineering at ERDC-EL - US Army ERDC CRREL - Vicksburg, MS

Renewable Energy Group

12536 - Renewable Fuels - Chemical Process Development - Renewable Energy Group - Ames, IA

12684 - Renewable Fuels Aide De Camp - Renewable Energy Group - Ames, IA

12686 - Renewable Fuels - Executive Management Scorecard Data Warehouse - Renewable Energy Group - Ames, IA

12687 - Renewable Fuels - Process Modeling - Renewable Energy Group - Ames, IA

BAE Systems

12723 - Evaluation of FEM HMX in LX-14 Explosive Composition - BAE Systems - Kingsport, TN

12799 - Development of Material and Energy Balances for the Coating and Drying of PBXs - BAE Systems - Kingsport, TN

US Department of Agriculture

12815 - Hyperspectral Imaging for Food Security - US Department of Agriculture - Athens, GA

US Department of Homeland Security

12817 - Studying Explosives and both Microbial and Chemical Contaminants - US Department of Homeland Security - Boston, MA

US Mint

12506 - Analytical Metallurgy of Precious Metals at the US Mint - West Point, NY

Notes:

- Additional AIADs are available through the Department of Chemistry and Life Science and other departments.
- Enrollment in a specific AIAD is subject to prerequisites and POC and/or Program Director approval.
- For additional information, contact MAJ Stephen Winter.