

CPU2AL Retreat Agenda

Friday, November 17, 2017

5:00 to 7:00 PM | Check-In and Social

Saturday, November 18, 2017

9:00 to 9:15 AM | **Welcome**
Dr. Gary Zank, The University of Alabama in Huntsville

Concurrent Sessions	Session 1 Embassy Ballroom 1	Session 2 Consulate Room
---------------------	--	------------------------------------

9:15 to 10:00 AM	Overview of Research Thrust 1 Dr. Vladimir Kolobov The University of Alabama in Huntsville	Budget Analyst – Administrative Meeting Discussion Topics <ul style="list-style-type: none"> • Budget spending: 80% • Cost share • Invoicing • Terms/Conditions • Tracking updates
------------------	---	--

10:00 to 10:45 AM	Overview of Research Thrust 2 Dr. Edward Thomas Jr. Auburn University
-------------------	--

10:45 to 11:00 AM	Break
-------------------	-------

11:00 to 11:45 AM	Overview of Research Thrust 3 Dr. Yogesh Vohra University of Alabama at Birmingham
-------------------	---

11:45 AM to 12:45 PM	Developing Industrial Liaisons and Commercializing CPU2AL Mr. John Gully Consultant at the University of Alabama in Huntsville Former Senior Vice President and General Manager at SAIC
----------------------	---

12:45 to 1:00 PM	Break
------------------	-------

1:00 to 2:00 PM	Working Lunch: Reporting and Resource Allocation Procedures Dr. Carlos Reinhold, The University of Alabama in Huntsville
-----------------	--

2:00 to 2:25 PM	Structural and Mechanical Properties of Plasma Synthesized Superhard Materials Dr. Aaron Catledge, University of Alabama at Birmingham
-----------------	--

2:25 to 2:50 PM	An Overview of Experimental Capabilities at Auburn University Dr. David Maurer, Auburn University
-----------------	---

2:50 to 3:05 PM	Break
-----------------	-------

3:05 to 3:30 PM	A Review of Auburn Non-Invasive Spectroscopic Diagnostic Capabilities Dr. Stuart Loch, Auburn University
-----------------	--

3:30 to 3:55 PM	Investigation of Particle and Electromagnetic Transport Between Low Temperature Ionosphere and Magnetosphere Dr. Yu Lin, Auburn University
-----------------	--

3:55 to 4:20 PM	Formulation of Plasma Models Including the Interaction of Dust: Shock Wave Structure Dr. Gary Zank, The University of Alabama in Huntsville
-----------------	---

4:20 to 5:00 PM	Open Discussion
-----------------	-----------------

5:00 to 6:00 PM	Executive Session
-----------------	-------------------

Sunday, November 19, 2017

9:00 to 9:25 AM	Laser Induced Fluorescence to Measure Plasma Properties Dr. Richard Branam, University of Alabama
9:25 to 9:50 AM	Experiments and Diagnostics of Striations and Atmospheric Microplasmas Dr. Gabe Xu, The University of Alabama in Huntsville
9:50 to 10:15 AM	Simulation and Modeling of Electron Scale Dynamics in Space and Industrial Plasmas Dr. Edmund Spencer, University of South Alabama
10:15 to 10:30 AM	Break
10:30 to 10:55 AM	Study of the Effect of LTP on Carbon and Biomaterials Derived from Renewable Resources for Polymer Composite and Biomedical Applications Dr. Vijaya Rangari, Tuskegee University
10:55 to 11:20 AM	Plasma Interactions with Plants: Morphing and Movements of Venus Flytrap and Mimosa Pudica Induced by Argon Plasma Jet Dr. Alexandre Volkov, Oakwood University
11:20 to 11:45 AM	Optimization of Methods and Experimental Conditions for Assessing the Effectiveness of LTP in Controlling Seed-Borne Diseases and Disinfection of Fresh Poultry Meat Dr. Rao Mentreddy, Alabama A&M University
11:45 to 12:10 PM	Cellular Interactions with Plasma Treated Biomaterials Dr. Komal Vig, Alabama State University Dr. Vinoy Thomas, University of Alabama at Birmingham
12:10 to 12:25 PM	Break
12:25 to 1:10 PM	Working Lunch Defining a Set of Cross-Institutional Research Projects and Activities with Timeline
1:10 to 2:30 PM	Defining a Set of Cross-Institutional Research Projects and Activities with Timeline (Continued) <ul style="list-style-type: none"> • Open Houses • Annual Meeting • Summer Programs • Outreach and Recruitment
2:30 to 3:00 PM	Summary of Retreat and Closing Remarks