**Agenda of the HAARP/RESONANCE meeting**

**8 November 2011, University of Maryland, College Park, MD 20742**

**Room 2316 Computer & Space Science building**

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9:30-9:40 Introduction

9:40-10:10 Overview of HAARP facility, Rob Jacobsen, Marsh Creek

10:10-10:40 Overview of "Resonance" project, Anatoli Petrukovich, Institute for Space Research, Moscow, Russia

10:40-11:20 RBSP Mission: Understanding Particle Acceleration and Electrodynamics of the Inner Magnetosphere, A. Y. Ukhorskiy, Applied Physics Laboratory

11:20-11:30 Coffee break

11:30-12:00 Mini-HF Receiver Satellite Project for Measurements of HAARP Emissions in Space, Carl L. Siefring, Naval Research Laboratory

12:00-12:30 Radiation belt physics using ionospheric heaters in the RBSP/RESONANCE era. , Dennis Papadopoulos, University of Maryland

12:30 – 14:00 Lunch brake

14:00-14:20 Physics of the Geospace Response to Powerful HF Radio Waves, Evgeny Mishin, Air Force Research Laboratory

14:20-14:40 Stimulated Electromagnetic Emissions and Related Phenomena at HAARP, Paul A Bernhardt, Naval Research Laboratory

14:40-15:00 Results of SEE observations and probing wave sounding at HAARP in March-April
2011, Savely Grach, University of Nizniy Novgorod, Russia

15:20-15:40 Plans for fielding HF receivers at HAARP for SEE observations, Brett Isham

15:40-16:00 Excitation of Magnetospheric Resonators with HAARP, Anatoly Streltsov, Dartmouth University

16:00-16:10 Coffee break

16:10-16:30 Studies of artificial ducts at HAARP, Aram Vartanyan, University of Maryland

16:30-16:50 Modeling artificial ducts at Arecibo

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9:30-10:00 Possible joint studies of Resonance and HAARP, Anatoli Petrukovich, Institute for Space Research, Moscow, Russia

10:00-10:20 Modeling artificial emissions and formation of ionization layers by HAARP, Gennady Milikh, University of Maryland

10:20-10:40 Results of airglow observations at SURA in 2010, Savely Grach, University of Nizniy Novgorod, Russia

10:40-13:00 Working groups discussions