

DOE-NP SBIR/STTR Exchange Meeting

September 13-14, 2010

Hilton Washington DC North/Gaithersburg - Grand Ballroom-Salons A, B & C

Time	Dur.	Presentation Title	Speaker	Organization	NP SBIR/STTR Topic
Monday, September 13, 2010					
8:30 AM	5	Welcome Remarks	Timothy J. Hallman	DOE, Office of Nuclear Physics	
8:35 AM	15	Nuclear Physics Program Overview	Jehanne Gillo	DOE, Office of Nuclear Physics	
8:50 AM	30	NP SBIR/STTR Program Overview	Manouchehr Farkhondeh	DOE, Office of Nuclear Physics	
9:20 AM	25	Development of 500 MHz Multi-Channel Readout Electronics for Fast Radiation Detectors	Wolfgang Hennig	XIA, LLC	Electronics
9:45 AM	25	New Detector for Gamma Ray and Neutron Studies	Kanai Shah	Radiation Monitoring Devices, Inc.	Instrumentation
10:10 AM	25	Progress with Growth of Super-Conducting Films of Nb and Nb3Sn Using Energetic Condensation	Mahadevan Krishnan	Alameda Applied Sciences Corp.	Accelerator Tech.
10:35 AM	35	Coffee Break			
11:10 AM	30	RHIC facility and the SBIR/STTR Program	Ilan Ben-Zvi	Brookhaven National Laboratory	NP User Facilities I (RHIC)
11:40 AM	25	Integrated Multiple Effects Software for Nuclear Physics Applications	David Smithe	Tech-X Corp.	Accelerator Tech.
12:05 PM	25	Development of SRF Multi-Spoke Cavities for Electron Linacs	Terry Grimm	Niowave, Inc.	Accelerator Tech.
12:30 PM	65	Lunch Break			
1:35 PM	30	TJNAF facility and the SBIR/STTR Program	Andrew Hutton	Thomas Jefferson National Accelerator Facility	NP User Facilities II (TJNAF)
2:05 PM	25	Overview of Computational Challenges for Coherent Electron Cooling	David Bruhwiler	Tech-X Corp.	Accelerator Tech.
2:30 PM	25	Progress on a Magnetometer for the nEDM Experiment	David (Chris) Hovde	Southwest Sciences, Inc.	Instrumentation
2:55 PM	25	Superconducting Sensor Development in Support of the Search for the Neutron Electric Dipole Moment	Robin Cantor	STAR Cryoelectronics, LLC	Instrumentation
3:20 PM	25	Integrated Spin System for Production of Large Quantities of Stable Isotopes	Alfred Wong	Nonlinear Ion Dynamics, LLC	Instrumentation
3:45 PM	35	Coffee Break			
4:20 PM	30	NP Low Energy Facilities and the SBIR/STTR Program	David Radford	Oak Ridge National Laboratory	NP User Facilities III (Low Energy)
4:50 PM	20	Fast, Low Noise Photodetectors for Nuclear Physics	Kanai Shah	Radiation Monitoring Devices, Inc.	Instrumentation
5:10 PM	20	Development of a Low Frequency SRF Electron Gun	Terry Grimm	Niowave, Inc.	Accelerator Tech.
5:30 PM		Adjourn			

Tuesday, September 14, 2010					
8:30 AM	25	The Development of an Inexpensive Compact Neutron Generator for Gamma Calibration and Other Applications	Melvin Piestrup	Adelphi Technology, Inc.	Instrumentation
8:55 AM	25	Germanium Detector Systems and Germanium Crystals for Nuclear Physics Research	Ethan Hull	PHDs Co.	Instrumentation
9:20 AM	25	High Performance Lossy Dielectric HOM Absorbers for SRF Cavities	Ender Savrun	Sienna Technologies, Inc.	Accelerator Tech.
9:45 AM	25	Development of Plasma Panel Based Radiation Detectors for Nuclear and High Energy Physics, Medical Imaging and Homeland Security	Peter Friedman	Integrated Sensors, LLC.	Instrumentation
10:10 AM	25	Modeling of Signal Generation in Gamma-Ray Detectors	Paul Mullowney /Cory Ahrens	Tech-X Corp.	Instrumentation
10:35 AM	35	Coffee Break			
11:10 AM	30	NP Isotope program and facilities and the SBIR Program	Robert Atcher	National Isotope Development Center	NP Isotope Facilities
11:40 AM	25	High Rate Digital Signal Processing for Multi-Channel Microcalorimeters	Hui Tan	XIA, LLC	Electronics
12:05 PM	25	Solid-State Photomultiplier with Integrated Front End Electronics	James Christian /Erik Johnson	Radiation Monitoring Devices, Inc.	Electronics
12:30 PM	65	Lunch Break			
1:35 PM	25	Multi-Cavity Proton Cyclotron Accelerator	Jay Hirshfield	Omega-p, Inc.	Accelerator Tech.
2:00 PM	25	Customizable Web Service for Efficient Access to Distributed Nuclear Physics Relational Databases	Mark Green	Tech-X Corp.	Software
1:35 PM	25	Porous Refractory Materials as Potential Catchers for the Fast Release of Unstable Ligh Nuclei	Uma Sampathkumaran	Innosense, LLC	Accelerator Tech.
2:25 PM	20	The Properties of Cryogenic CMOS Avalanche Photodiodes	James Christian /Erik Johnson	Radiation Monitoring Devices, Inc.	Instrumentation
2:00 PM					
2:45 PM	25	Porous Refractory Materials as Potential Catchers for the Fast Release of Unstable Ligh Nuclei	Uma Sampathkumaran	Innosense, LLC	Accelerator Tech.
3:10 PM	35	Coffee Break			
3:45 PM	25	Some Aspects of Phase-I and Phase-II Research Performed by I.C. Gomes C&I Inc.	Itacil Gomes	I.C. Gomes Consulting & Investment, Inc.	Accelerator Tech.
4:10 PM	25	Integrated Modeling Tool of ECR Charge Breeder Ion Sources	Jin-Soo Kim	Far-Tech, Inc.	Accelerator Tech.
4:35 PM	25	New VORPAL Modeling Capabilities for 3D Multiscale Stimulations of Charge Gain and Transport in Diamond Devices	Dimitre Dimitrov	Tech-X Corp.	Accelerator Tech.
5:00 PM	15	Closing Remarks			
5:15 PM		Meeting Adjourns			