

# DOE-NP SBIR/STTR Exchange Meeting

August 6-7, 2014

Hilton Washington, DC North, Gaithersburg, Maryland

## Meeting Agenda-Day 1

Time	Dur.	Presentation Title	Speaker	Organization	NP SBIR/ STTR Topic	Grant Status
<b>Wednesday, August 6, 2014</b>						
8:30 AM	5	Welcome and Introductory Remarks	Jehanne Gillo	DOE, Office of Nuclear Physics		
8:35 AM	35	NP SBIR/STTR Program Overview	Manouchehr Farkhondeh	DOE, Office of Nuclear Physics		
9:10 AM	25	High-Performance Plasma Panel Based Micropattern Detector	Peter Friedman	Integrated Sensors, LLC	Instrument.	End Year 2
9:35 AM	25	High Specific Activity Sm-153 By Post Irradiation Isotope Separation	Alan Ketring	IsoTherapeutics Group LLC	Isotope	End Year 2
10:00 AM	25	Coffee Break				
10:25 AM	25	Integrated Modeling Tool for Electron-Beam Based Ion-Sources	Jin-Soo Kim	Far-Tech, Inc.	Accelerator	End Year 2
10:50 AM	35	NP Low Energy Facilities and the SBIR/STTR Program	Georg Bollen	Michigan State University and FRIB		
11:25 AM	25	High Radiation Environment Nuclear Fragment Separator Magnet	Rolland Johnson	Muons, Inc.	Accelerator	End Year 2
11:50 AM	25	High Density Low Cost Readout Electronics for Large Scale Radiation Detectors	Peter Grudberg	XIA, LLC	Electronics	End Year 2
12:15 PM	60	Lunch Break				
1:15 PM	25	High-Performance ADC for Particle Accelerator Instrumentation Applications	Douglas Goodman	Ridgetop Group, Inc	Electronics	End Year 2
1:40 PM	35	TJNAF Facility and the SBIR/STTR Program	Geoffrey Krafft	Thomas Jefferson National Accelerator		
2:15 PM	25	Thin-Window P-Type Point-Contact Germanium Detectors for Rare Particle Detection	Ethan Hull	PHDs Co.	Instrument.	End Year 2
2:40 PM	25	Novel Polishing Process to Fabricate Ultra Low Thickness Variation Diamond Substrates for Next Generation Beam Tracking Detectors	Arul Arjunan	Sinmat Inc.	Instrument.	End Year 2
3:05 PM	25	Enhanced Quantum Efficiency of Photocathodes with Polarized Emission	Aaron Moy	SVT Associates, Inc.	Accelerator	End Year 2
3:30 PM	20	Coffee Break				
3:50 PM	25	GaAsSb/AlGaAs Superlattice High-Polarization Electron Source	Yiqiao Chen	SVT Associates, Inc.	Accelerator	End Year 1
4:15 PM	25	Solid Catcher Materials Development at InnoSense for a Variety of Rare Isotopes	Uma Sampathkumaran	InnoSense, LLC	Accelerator	End Year 1
4:40 PM	25	Development at Argonne in Support of the Innonsense Solid Catcher for Energetic Radioactive Beams	Jerry Nolen	ANL/InnoSense, LLC	Accelerator	End Year 1
5:05 PM	20	Modular Planar Germanium (MPGe) Detector Systems for High Resolution Gamma-ray Spectroscopy and Tracking Arrays	Ethan Hull	PHDs Co.	Instrument.	End Year 1
5:25 PM		Adjourn				

# DOE-NP SBIR/STTR Exchange Meeting

## Meeting Agenda-Day 2

Time	Dur.	Presentation Title	Speaker	Organization	NP SBIR/ STTR Topic	Grant Status
<b>Thursday, August 7, 2014</b>						
8:30 AM	25	Development of MgB2 Superconducting Coils for Nuclear Physics Applications	Matthew Rindfleisch	Hyper Tech Research, Inc.	Accelerator	End Year 1
8:55 AM	25	Commercial Superconducting Electron Linac for Radioisotope Production	Terry Grimm	Niowave, Inc.	Isotope	End Year 1
9:20 AM	25	Production of Commercial High Specific Activity Sn-117M Radiochemical and Chelates	Nigel Stevenson	Clear Vascular, Inc.	Isotope	End Year 1
9:45 AM	25	Ferroelectric Based High Power Components for L-Band Accelerator Applications	Alex Kanareykin	Euclid Techlabs, LLC	Accelerator	End Year 1
10:10 AM	25	Digital SQUID Magnetometers for Read-out of Detectors and Magnetic Particles	Masoud Radparvar	Hypres, Inc.	Electronics	End Year 1
10:35 AM	30	Coffee Break				
11:05 AM	35	RHIC Facility and the SBIR/STTR Program	Wolfram Fischer	Brookhaven National Laboratory		
11:40 AM	25	Advance Additive Manufacturing Method for SRF Cavities of Various Geometries	Pedro Frigola	RadiaBeam Technologies, LLC	Accelerator	End Year 1
12:05 PM	25	Thin Diamond Time-of-Flight Detectors	Joseph Tabeling	Applied Diamond, Inc	Instrument.	End Year 1
12:30 PM	60	Lunch Break				
1:30 PM	20	Chemical Free Surface Processing for High Gradient Superconducting RF Cavities	Linton Floyd	FM Technologies, Inc.	Accelerator	No Cost Extension
1:50 PM	30	NP Isotope Program and Facilities and the SBIR/STTR Program	Kevin John	Los Alamos National Laboratory		
2:20 PM	20	Development of High-Efficiency Power Amplifiers for 704 MHz	Frederick Raab	Green Mountain Radio Research Co.	Accelerator	No Cost Extension
2:40 PM	20	Defect Free, Ultra-Rapid Thinning/Polishing of Diamond Crystal Radiator Targets (20um) for Highly Linearly Polarized Photon Beams	Arul Arjunan	Sinmat Inc.	Instrument.	No Cost Extension
3:00 PM	15	Coffee Break				
3:15 PM	15	Growth of large diameter high-purity germanium crystals for Nuclear Physics research	Ethan Hull	PHDs Co.	Instrument.	No Cost Extension
3:30 PM	20	GPU Acceleration of Spin Tracking in Colliding Beam Accelerators	Dan Abell	Tech-X Corporation	Accelerator	No Cost Extension
3:50 PM	35	Update on the Department of Energy SBIR/STTR Program, Q/A	Manny Oliver	DOE, SBIR/STTR Office		
4:25 PM		Adjourn				