

# DOE-NP SBIR/STTR Exchange Meeting

August 6-7, 2015

Hilton Washington, DC North, Gaithersburg, Maryland

## Meeting Agenda-Day 1

Time	Dur. (min)	Presentation Title	Speaker	Organization	NP SBIR/ STTR Topic	Grant Status
<b>Thursday, August 6, 2015</b>						
8:30 AM	5	Welcome and Introductory Remarks	Gillo, Jehanne	DOE, Office of Nuclear Physics		
8:35 AM	35	NP SBIR/STTR Program Overview	Farkhondeh, Manouchehr	DOE, Office of Nuclear Physics		
1 9:10 AM	25	Polyhedral User Mapping Assistant and Visualizer (Puma-V)	Langston, Harper	Reservoir Labs, Inc., NY	Software/STTR	End Year 1
2 9:35 AM	25	Non-Invasive Beam Monitor, Fast Kicker, Bunch Shaper and Photogun	Roberts, Brock	Electrodynamic, NM	Accelerator	End Year 1
10:00 AM	25	Coffee Break				
3 10:25 AM	25	Radiation Resistant Magnetic Field Sensor	Kochergin, Vladimir	MicroXact, Inc., VA	Instrumentation	End Year 1
10:50 AM	35	NP Low Energy Facilities and the SBIR/STTR Program	Macchiavelli, Augusto	Lawrence Berkeley National Laboratory	Instrumentation	
4 11:25 AM	25	Development of a Superconducting RF Harmonic Cavity For eRHIC	Boulware, Chase/ Grimm, Terry	Niowave, Inc., MI	Accelerator	End Year 1
5 11:50 AM	25	Modular Planar Germanium Detector Systems For High Resolution Gamma-Ray Spectroscopy And Tracking Arrays	Hull, Ethan	PHDs Co., TN	Instrumentation	End Year 1
12:15 PM	60	Lunch Break (on your own)				
6 1:15 PM	0	Perm-Pump: A Power-Free Hydrogen-Extraction Permeation Pump for XHV	Mulhollan, Gregory	Saxet Surface Science, TX	Accelerator	Talk Cancelled
1:15 PM	35	TJNAF Facility and the SBIR/STTR Program	Pilat, Fulvia	Thomas Jefferson National Accelerator Facility	Accelerator	
7 1:50 PM	25	Low Cost, High-Density Digital Electronics for Nuclear Physics	Skulski, Wojciech	SkuTek Instrumentation, NY	Electronics	End Year 1
8 2:15 PM	25	GaAsSb/AlGaAsP Superlattice "with DBR" Polarized Electron Source	Chen, Yiqiao	SVT Associates, Inc., MN	Accelerator	End Year 1
9 2:40 PM	25	Digital Silicon Photomultiplier Array Readout Integrated Circuits	Lee, Adam	Voxel, Inc., OR	Instrumentation	End Year 1
3:05 PM	20	Coffee Break				
10 3:25 PM	25	Semiconductor Detectors with Optimized Proximity Signal Readout	Asztalos, Stephen	XIA LLC, CA	Instrumentation	End Year 1
11 3:50 PM	25	Low-Latency Ultra-High Capacity Holographic Data Storage Archive Library	Anderson, Ken	Akonia Holographics, LLC, CO	Software /Fast Track	End Year 1
12 4:15 PM	25	Thin Diamond for Time-of-Flight Detectors	Tabeling, Joseph	Applied Diamond, Inc., DE	Instrumentation	End Year 2 /NCE
13 4:40 PM	25	Ferroelectric Based High Power Components for L-Band Accelerator Applications	Jing, Chunguang/Kanareykin, Alex	Euclid Techlabs, LLC, OH	Accelerator	End Year 2 /NCE
5:05 PM		Adjourn				

# DOE-NP SBIR/STTR Exchange Meeting

## Meeting Agenda-Day 2

Time	Dur. (min)	Presentation Title	Speaker	Organization	NP SBIR/ STTR Topic	Grant Status	
<b>Friday, August 7, 2015</b>							
14	8:30 AM	25	Digital SQUID Magnetometers for Read-out of Detectors and Magnetic Particles	Radparvar, Masoud	Hypres, Inc., NY	Instrumentation	End Year 2 /NCE
15	8:55 AM	25	GaAsSb/ALGaAs Superlattice High-Polarization Electron Source with DBR	Chen, Yiqiao	SVT Associates, Inc., MN	Accelerator	End Year 2 /NCE
16	9:20 AM	25	Development of MgB2 Superconducting Coils for Nuclear Physics Applications	Rindfleisch, Matthew	Hyper Tech Research, Inc., OH	Accelerator	End Year 2 /NCE
17	9:45 AM	25	Production of Commercial High Specific Activity Sn-117M Radiochemical and Chelates	Stevenson, Nigel	Clear Vascular, Inc., TX	Isotope	End Year 2
18	10:10 AM	25	Commercial Superconducting Electron Linac for Radioisotope Production	Boulware, Chase/ Grimm, Terry	Niowave, Inc., MI	Isotope	End Year 2
	10:35 AM	30	<b>Coffee Break</b>				
	11:05 AM	35	<b>RHIC Facility and the SBIR/STTR Program</b>	<b>Blaskiewicz, Mike</b>	<b>BNL</b>		
19	11:40 AM	25	Refractory Oxides with Tunable Porosity and Geometry as Versatile Fast-Release Solid Catchers for Rare Isotopes	Sampathkumaran, Uma	InnoSense LLC, CA	Accelerator	End year 2
20	12:05 PM	25	Advance Additive Manufacturing Method for SRF Cavities of Various Geometries	Frigola, Pedro /Ruelas, Marcos	Radiabeam Technologies, LLC., Santa Monica, CA	Accelerator	End year 2
	12:30 PM	60	<b>Lunch Break (on your own)</b>				
21	1:30 PM	25	High Radiation Environment Nuclear Fragment Separator Magnet	Kahn, Stephen	Muons, Inc., IL	Accelerator	No Cost Extension
	1:55 PM	35	<b>NP Isotope Program and Facilities and the SBIR/STTR Program</b>	<b>John, Kevin</b>	<b>Los Alamos National Laboratory</b>		
22	2:30 PM	20	Integrated Modeling Tool for Electron-Beam Based Ion-Sources	Kim, Jin-Soo	FAR-TECH, Inc., CA	Accelerator	No Cost Extension
23	2:50 PM	20	High Density Low Cost Readout Electronics for Large Scale Radiation Detectors; Hui Tan	Tan, Hui	XIA LLC, Hayward, CA	Electronics	No Cost Extension
	3:10 PM	15	<b>Coffee Break</b>				
24	3:25 PM	20	High-Performance Plasma Panel Based Micropattern Detector	Friedman, Peter	Integrated Sensors, LLC, OH	Instrumentation	No Cost Extension
25	3:45 PM	20	Thin-Window P-Type Point-Contact Germanium Detectors for Rare Particle Detection	Hull, Ethan	PHDs Co., Knoxville, TN	Instrumentation	No Cost Extension
26	4:05 PM	20	Novel Polishing Process to Fabricate Ultra Low Thickness Variation Diamond Substrates for Next Generation Beam Tracking Detectors	Arjunan, Arul	Sinmat Inc., Gainesville, FL	Instrumentation	No Cost Extension
	4:25 PM	35	<b>Update on the Department of Energy SBIR/STTR Program, Q/A</b>	<b>Hebron, Carl</b>	<b>DOE, SBIR/STTR Office</b>		
	5:00 PM		<b>Adjourn</b>				