

DOE-NP SBIR/STTR Exchange Meeting

August 8-9, 2017

Courtyard Gaithersburg Washingtonian Center, Gaithersburg, Maryland

Meeting Agenda-Day 1

Time	Dur. (min)	Grant Title	Speaker	Organization	NP SBIR/ STTR Topic	Grant Status
Tuesday, August 8, 2017						
8:30 AM	5	Welcome and Opening Remarks	Gillo, Jehanne	DOE, Office of Nuclear Physics		
8:35 AM	5	Introductory Remarks	Farkhondeh, Manouchehr	DOE, Office of Nuclear Physics		
8:40 AM	35	NP SBIR/STTR Program Overview	Shinn, Michelle	DOE, Office of Nuclear Physics		
1	9:15 AM	25	Design and manufacture of tunable permanent magnet based quadrupole for next generation electron-ion colliders	Choi, Heeju	Electron Energy Corporation, PA	Accelerator Year 1/FastTrack
2	9:40 AM	25	Data Processing Electronics for Silicon Photomultipliers	Skulski, Wojciech	SkuTek Instrumentation, NY	Electronics End Year 1
	10:05 AM	25	Coffee Break			
3	10:30 AM	25	GaN Class F Power Amplifier for Klystron Replacement	Smirnov, Alexei	RadiaBeam Systems, CA	Accelerator End Year 1
	10:55 AM	35	NP Low Energy Facilities and the SBIR/STTR Program			
	11:30 AM	25	A CW L-Band Micro-Pulse Klystron	Mako, Frederick	FM Technologies, Inc., VA	Accelerator End Year 1
5	11:55 AM	25	Multi-scale modeling for beam-beam depolarization	Cowan, Benjamin	Tech-X Corporation, CO	Accelerator End Year 1
	12:20 PM	75	Lunch Break (on your own)			
6	1:35 PM	25	Radiation Hard High Speed Camera System for Accelerator Beam Diagnostics	Levy, Andrew	Alphacore Inc, DE	Instrumentation End Year 1
	2:00 PM	35	Jefferson Lab and its SBIR/STTR Program			
7	2:35 PM	25	A novel injection-locked amplitude-modulated magnetron at 1497 MHz	Neubauer, Michael	Muons, Inc., Batavia, IL	Accelerator End Year 1
8	3:00 PM	25	Design and Implementation of Digital Electronics for Fast Readout and Processing of Multi-Channel Experimental Data	Sadwick, Larry	InnoSys Inc., UT	Instrumentation End Year 1
9	3:25 PM	25	Charge collection physics in very large diameter germanium crystals	Hull, Ethan	PHDs Co., Knoxville, TN	Instrumentation End Year 1
	3:50 PM	25	Coffee Break			
10	4:15 PM	25	Novel Position-Sensitive Particle Tracking Gas Detector	Friedman, Peter	Integrated Sensors, OH	Instrumentation End Year 1
12	4:40 PM	25	Nb-on-Cu Cavities for 700-1500 MHz SRF Accelerators	Krishnan, Mahadevan	Alameda Applied Sciences Corporation, San Leandro, CA	Accelerator End Year 2
13	5:05 PM	60	Informal Discussion on Challenges and Best Practices for Commercialization			

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Meeting Agenda-Day 2

	Time	Dur. (min)	Grant Title	Speaker	Organization	NP SBIR/ STTR Topic	Grant Status
Wednesday, August 9, 2017							
14	8:30 AM	25	Templated Micro-Channel Thermal Control System	Kimble, Michael	Reactive Innovations, LLC, MA	Electronics	End Year 2
15	8:55 AM	25	Compact Gamma Ray Source for On-Site Calibration of Radiation Detectors	Yu, David	DULY Research Inc., CA	Instrumentation	End Year 2
16	9:20 AM	25	Acid-Free Electropolishing of SRF Cavities	Taylor, E. Jennings	Faraday Technology, Inc., OH	Accelerator	End Year 2
17	9:45 AM	20	Low Cost, High-Density Digital Electronics for Nuclear Physics	Skulski, Wojciech	SkuTek Instrumentation, NY	Electronics	End Year 2/PH IIB
18	10:05 AM	25	Diamond sensor for the neutron electric dipole moment experiment	Hovde, David	Southwest Sciences, Inc., NM	Instrumentation	End Year 2
	10:30 AM	30	Coffee Break				
	11:00 AM	35	The Relativistic Heavy Ion Collider Facility and the SBIR/STTR Program	Wu, Qiong	Brookhaven National Laboratory		
19	11:35 AM	25	Low Z Thin Film Stripper Foils, Targets and X-Ray Windows	Kumar, Nalin	UHV Technologies, Inc., TX	Instrumentation	End Year 2
20	12:00 PM	25	Solid-State Neutron Detectors with Integrated Electronics for Nuclear Physics	Christian, James	Radiation Monitoring Devices, Inc., MA	Accelerator	End Year 2
	12:25 PM	75	Lunch Break (on your own)				
	1:40 PM	35	DOE Isotope Program and Facilities and the SBIR/STTR Program	Balkin, Ethan	DOE Office of Nuclear Physics & DOE Isotope Program		
22	2:15 PM	25	Flat Field Emitter Based on Ultrananocrystalline Diamond (UNCD) Film for SRF Technology (Topic Nuclear Physics)	Jing, Chunguang	Euclid Techlabs, LLC, OH	Accelerator	End Year 1
	2:40 PM	25	Coffee Break				
23	3:05 PM	25	Thermo-Mechanically Stable Tungsten Powders as Solid Catchers for the Fast Release of Stopped Rare Isotopes	Sampathkumaran, Uma	InnoSense LLC, Torrance, CA	Instrumentation	End Year 2
24	3:30 PM	25	Ferroelectric Based High Power Components for L-Band Accelerator Applications	Kanareykin, Alexei	Euclid Techlabs, LLC, OH	Accelerator	No Cost Extension
25	3:55 PM	35	Update on the Department of Energy SBIR/STTR Program, Q/A	Oliver, Manny	DOE, SBIR/STTR Office		
25	4:30 PM	0	Adjourn				