

DOE-NP SBIR/STTR Exchange Meeting

August 7-8, 2018

Hilton Washington DC/Rockville Hotel & Executive Meeting Center, Rockville, Maryland

Meeting Agenda-Day 1

Time	Dur. (min)	Grant Title	Speaker	Organization	NP SBIR/ STTR Topic	Grant Status
Tuesday, August 7, 2018						
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		
9:15 AM	20	A Magnetized Injector for Electron Cooling Applications	Mayes, Christopher	Xelera Research LLC, NY	Accelerator	End Year 1
9:35 AM	20	Low Cost, High-Density Digital Electronics for Nuclear Physics	Skulski, Wojciech	SkuTek Instrumentation, NY	Electronics	End Year 1/PH IIB
9:55 AM	20	Diamond Strip Detectors for Charged Particle Tracking	Tabeling, Joseph - not present	Applied Diamond, Inc., DE	Instrumentation	End Year 1
10:15 AM	25	Coffee Break				
10:40 AM	35	NP Low Energy Facilities and the SBIR/STTR Program	Bollen, Georg	Michigan State University		
11:15 AM	20	Software-Driven Network Architecture for Synchronous Data Acquisition	Hulett, Terry	Crossfield Technology LLC, TX	Software	End Year 1
11:35 AM	20	Development of Gen-II LAPPDTM Systems For Nuclear Physics Experiments	Foley, Michael	Incom Inc., MA	Instrumentation	End Year 1
11:55 AM	75	Lunch Break (on your own)				
1:10 PM	35	Jefferson Lab and the NP SBIR/STTR Program	Spata, Michael	Thomas Jefferson Accelerator National Facility		
1:45 PM	20	Isotopic Carbon Graphene Foil Targets	Pavlovsky, Igor	Applied Nanotech, Inc., TX	Instrumentation	End Year 1
2:05 PM	20	High power, high repetition rate, 700 – 850 nm pulsed laser	Tian, Wenyan	Q-Peak, Inc., MA	Accelerator	End Year 1
2:25 PM	20	Design and Fabrication of the ASoC: a System-on-Chip Data Acquisition System	Mostafanezhad, Isar	Nalu Scientific, LLC, HI	Electronics	End Year 1
2:45 PM	20	Pixel Array Germanium Detectors for Nuclear Physics	Kiser, Matthew	PHDs Co., TN	Instrumentation	End Year 1
3:05 PM	25	Coffee Break				
3:30 PM	20	Novel Position-Sensitive Particle Tracking Gas Detector	Friedman, Peter	Integrated Sensors, OH	Instrumentation	End Year 2/NCE
3:50 PM	20	Dynamic friction in magnetized electron coolers for relativistic beams	Bruhwieler, David	RadiaSoft LLC, CO	Accelerator	End Year 1
4:10 PM	20	A novel ionizing particle beam fluence and position detector array using the Micromegas technology with multi-coordinate readout	Holmes, Jason	Radiation Detection and Imaging Technologies, LLC, AZ	Instrumentation	End Year 1
4:30 PM	20	Robust Wire Scanner for High Intensity Beam Profile Diagnostics	Ruelas, Marcos	Radiabeam Tech., LLC, CA	Accelerator	End Year 1
4:50 PM	20	Flat Field Emitter Based on Ultrananocrystalline Diamond (UNCD) Film for SRF Technology (Topic Nuclear Physics)	Montgomery, Eric	Euclid Techlabs, LLC, OH	Accelerator	End Year 2/NCE
5:10 PM	60	Optional Gathering to Discuss Challenges and Best Practices for Commercialization				

DOE-NP SBIR/STTR Exchange Meeting

Meeting Agenda-Day 2

Time	Dur. (min)	Grant Title	Speaker	Organization	NP SBIR/ STTR Topic	Grant Status
Wednesday, August 8, 2018						
8:30 AM	20	Design and manufacture of tunable permanent magnet based quadrupole for next generation electron-ion colliders	Jasinski, Melania	Electron Energy Corporation, PA	Accelerator	Year 1/FastTrack
8:50 AM	20	Scintillating Bolometer Crystal Growth and Purification for Neutrinoless Double Beta Decay Experiments	Tower, Joshua	Radiation Monitoring Devices, Inc., MA	Instrumentation	End Year 1
9:10 AM	20	Long length welded NbTi CIC superconducting Cable for Accelerator Applications	Tomsic, Michael	Hyper Tech Research, Inc., OH	Accelerator	End Year 1
9:30 AM	20	Acid-Free Electropolishing of SRF Cavities	Taylor, E. Jennings	Faraday Technology, Inc., OH	Accelerator	End Year 2/NCE
9:50 AM	20	Data Processing Electronics for Silicon Photomultipliers	Skulski, Wojciech	SkuTek Instrumentation, NY	Electronics	End Year 2/NCE
10:10 AM	25	Coffee Break				
10:35 AM	20	Low Z Thin Film Stripper Foils, Targets and X-Ray Windows	Kumar, Nalin	UHV Technologies, Inc., KY	Instrumentation	End Year 2
10:55 AM	35	The Relativistic Heavy Ion Collider Facility and its SBIR/STTR Opportunities	Liu, Chuyu	Brookhaven National Laboratory		
11:30 AM	20	A novel injection-locked amplitude-modulated magnetron at 1497 MHz	Neubauer, Michael	Muons, Inc., IL	Accelerator	End Year 2/NCE
11:50 AM	75	Lunch Break (on your own)				
1:05 PM	20	Thermo-Mechanically Stable Tungsten Powders as Solid Catchers for the Fast Release of Stopped Rare Isotopes	Sampathkumaran, Uma	InnoSense LLC, CA	Instrumentation	End Year 2/NCE
1:25 PM	35	DOE Isotope Program and Facilities and the SBIR/STTR Program	Balkin, Ethan	DOE Office of Nuclear Physics & DOE Isotope Program		
2:00 PM	20	Charge collection physics in very large diameter germanium crystals	Hull, Ethan	PHDs Co., TN	Instrumentation	End Year 2
2:20 PM	20	Refractory Oxides with Tunable Porosity and Geometry as Versatile Fast-Release Solid Catchers for Rare Isotopes	Sampathkumaran, Uma	InnoSense LLC, CA	Instrumentation	End Year 2/PH IIB
2:40 PM	25	Coffee Break				
3:05 PM	20	Multi-scale modeling for beam-beam depolarization	Cowan, Benjamin	Tech-X Corporation, CO	Accelerator	End Year 2
3:25 PM	20	Radiation Hard High Speed Camera System for Accelerator Beam Diagnostics	Engelman, Matt	Alphacore Inc., AZ	Instrumentation	End Year 2
3:45 PM	20	GaN Class F Power Amplifier for Klystron Replacement	Smirnov, Alexei	RadiaBeam Systems, CA	Accelerator	End Year 2
4:05 PM	35	Update on the Department of Energy SBIR/STTR Program, Q/A	Oliver, Manny	DOE, SBIR/STTR Office		
4:40 PM	0	Adjourn				