

**AFOSR T&E Program Review, 16-19 April 2012**

Holiday Inn Express, 106 Bayshore Drive, Niceville - Eglin AFB, Niceville, FL 32578

**Monday, 16 April**

Time	Type		Name	Representing	Topic
8:00-8:40	GOV only	Dr.	Marc Mignolet	Advanced Dynamics, Inc.	An Innovative Software Tool for Blades Stress Estimation during Multiple Simultaneous Vibratory Mode
8:50-9:30	GOV only	Dr.	Lihmei Yang	PolarOnyx, Inc.	Supercontinuum Fiber Laser for Multi-Spectral Energy Propagation
9:40-10:20	GOV only	Dr.	Chiman Kwan	Signal Processing, Inc.	A Novel, Flexible, and Comprehensive System for Mission Prioritized Lossless Data Compression
10:30-11:10	GOV only	Dr.	Joe Koo	KAI, LLC	Novel Materials for in-situ Ablation and Thermal Sensing
11:20-12:00	GOV only	Dr.	John Loverich	Tech-X Corporation	Simulation Tool for Modeling Weakly Ionized Plasma
12:00-1:20	Lunch				
1:20-2:00	GOV only	Mr.	P. C. Chen	ZONA Technology, Inc.	Stick-to-Stress Dynamic Flight Simulation for Virtual Flight Test
2:10-2:50	GOV only	Dr.	Hal Carlson	Clear Science Corp.	Toward a Virtual Flight Test Capability
3:00-3:40	GOV only	Mr.	Tej Phool	MiMoCloud	Mission Prioritized Lossless Data Compression
3:50-4:30	GOV only	Dr.	Don Leskiw	Leskiw Associates, LLC	Adaptive Compressed Sensing for Mission Prioritized Data Collection and Analysis
4:40-5:20	Open	Mr.	Joseph Lloyd	IMS, Inc.	Novel Materials for in-situ Ablation and Thermal Sensing
5:20-6:00	Open	Dr.	Chris Davis	ElectroDynamic Applications	Non-Intrusive Fiber Interferometer for Ablative TPS Recession Measurement

**Tuesday, 17 April**

<b>Time</b>	<b>Type</b>		<b>Name</b>	<b>Representing</b>	<b>Topic</b>
8:30-9:10	Open	Dr.	Jerry Sabin	RNET Technologies	Highly-Scalable Computational-Based Engineering Algorithms for Emerging Parallel Machine Architectures
9:10-9:50	Open	Dr.	Vladimir Kolobov	CFD Research Corp.	Computational Model for Electrode Erosion by High-Pressure Moving Arcs
9:50-10:30	Open	Mr.	Harold McCormick	C-K Technologies LLC	Extreme Wear-Resistant Materials
10:30-10:40	<b>Break</b>				
10:40-11:20	Open	Dr.	Mark Rennie	Innovative Technology Applications	Non-Intrusive Diagnostics for Off-Body Measurements in Flight Experiments
11:20-12:00	Open	Mr.	Eric Kelmelis	EM Photonics, Inc.	Scalable Aero-Load and Aero-Elasticity Solvers for Massively Parallel Heterogeneous Computing Architectures
12:00-1:20	<b>Lunch</b>				
1:20-2:00	Open	Dr.	Vincent Harrand	CFD Research Corporation	Highly-Scalable Computational Algorithms for Solving Aerostructural FSI Problems on Emerging Parallel Machine
2:00-2:40	Open	Dr.	Catalin Turc	Mathematical Systems & Solutions Inc	Advanced Computational Methods for Study of Electromagnetic Compatibility
2:40-3:20	Open	Dr.	Mark Rennie	Innovative Technology Applications	A Mathematical Model Based Control System for Wind Tunnels
3:20-3:30	<b>Break</b>				
3:30-4:10	Open	Mr.	Brian Danowsky	Systems Technology, Inc.	Toward a Virtual Flight Test Capability
4:10-4:50	Open	Dr.	Chris Hovde	Southwest Sciences	Non-Intrusive Diagnostics for Off-Body Measurements in Flight Experiments
4:50-5:30	Open	Dr.	Dimitri Mavriplis	Scientific Simulations	Highly-Scalable Computational-Based Engineering Algorithms for Emerging Parallel Machine Architectures

**Wednesday, 18 April**

<b>Time</b>	<b>Type</b>		<b>Name</b>	<b>Representing</b>	<b>Topic</b>
8:30-10:00	*Appointment	Dr.	Michael Kendra	AFOSR	Meet with the PM
10:00-10:30	<b>Break</b>				
10:30-12:00	Open	Dr.	Michael Kendra	AFOSR	PM and Test Center Technical Transition Advisor Forum (bring your questions)
			Jason Lechniak	Air Force Flight Test Center	
			Gary Jones	46th Test Wing, NRTF	
		Dr.	Charles Jones	Air Force Flight Test Center	
		Ms.	Min Kim	46th Test Wing	
			Scott Waltermire	Arnold Engineering Development Center	
		Dr.	Jim Nichols	Arnold Engineering Development Center	
		Mr.	Jim Deckert	Air Force Flight Test Center	
12:00-1:30	<b>Lunch</b>				
1:30-2:10	Open	Dr.	Ken Yu	University of Maryland	Revitalization of the Hypersonics Testing and Evaluation Workforce
2:30-3:00	*Appointment	Dr.	Michael Kendra	AFOSR	Meet with the PM
3:00-5:30	Open		Poster Session		
6:00	<b>Social and Dinner Event</b>		RSVP required. If you did not sign up, check with our AFOSR registration on openings or join us for the social only from 6-7.		Dockside Oyster Bar & Café 115 John Sims Pkwy W. Niceville, Florida Phone: 850.678.1241 <a href="http://www.mydocksidecafe.com">http://www.mydocksidecafe.com</a>

\*Meet with the PM and GOV only personnel, by appointment only, 10 minute limit

**Thursday, 19 April**

<b>Time</b>	<b>Type</b>		<b>Name</b>	<b>Representing</b>	<b>Topic</b>
9:00-9:40	Open	Dr.	Don Dorsey	AFRL/RXPSE	Tools for Test and Evaluation of Emerging Nanoelectronics
9:40-10:20	Open	Dr.	Kris Kim	AFRL/RHYA	Theory of Rapid Near-Field Scanning Determination of Bistatic Radar Cross-Section Using a Probe Array
10:20-10:40	<b>Break</b>				
10:40-11:20	Open	Dr.	Saba Mudaliar	AFRL/RV	Sensors Aboard Hypersonic Vehicles
11:20-12:00	Open	Dr.	Crystal Pasillao	AFRL/RWWV	Characterization Of Aero-Structural Interaction Flow-Field Physics
12:00-1:30	<b>Lunch</b>				
1:30-2:10	Open	Dr.	Robinson Pino	AFRL/RITB	Neuromorphic Computing for Very Large Test and Evaluation Data Analysis
2:10-2:50	Open	Mr.	Tony K Quach	AFRL/RYDI	High Power / Waveform Agile Transmitter Technology for Multi-Function Apertures
2:50-3:30	Open	Dr.	Mike Saville	AFRL/RVAS	Compact Feature Representation of Discriminatory Scattering Phenomenology Extracted from Sparse Aperture 3DSAR Data

DCO TBD

Dockside Oyster Bar &amp; Cafe

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