

# AFOSR and NSF Co-Sponsored Workshop on Dynamic Data Driven Applications Systems (DDDAS)–Info-Symbiotic Systems

Hilton Arlington  
950 North Stafford Street | Arlington, VA 22203  
[DDDAS InfoSymboiotics 2010 Report](#)

## Agenda Day 1

**Monday, August 30, 2010**

Time	Topic	Speaker
7:30-8:15	Registration and Refreshments	
8:15-9:00	Workshop Welcome - Introductory Remarks	Co-Chairs, and DoD/OSD, AFOSR and NSF Leadership
	<a href="#">Technology Horizons</a>	Dr. Dahm, U.S. Air Force, DOD
	<a href="#">InfoSymbioticSystems - The Power of: Dynamic Data-Driven Application Systems (DDDAS)</a>	Dr. Frederica Darema, AFOSR/RSL Directorate
	<a href="#">Data- and Compute-Driven Transformation of Science</a>	Dr. Ed Seidel, Assistant Director NSF/MPS Directorate
	<a href="#">AFOSR/NSF DDDAS Workshop Keystone</a>	Co-Chairs, Profs. Abani Patra and Craig Douglas
9:15-12:30	Keynotes - Plenary Presentations	
9:15-9:45	<a href="#">A Dynamic Data-Driven System for Optimized Laser Treatment of Prostate Cancer</a>	Prof. <a href="#">J. Tinsley Oden</a> , Univ. of Texas, Austin
	<a href="#">A Brief View of Verification, Validation and Uncertainty Quantification</a>	
9:45-10:15	<a href="#">DDDAS Applied to High-Impact Local Weather: The LEAD Project</a>	Prof. <a href="#">Kelvin K. Droegemeier</a> , Univ. of Oklahoma
10:15-10:30	<b>BREAK</b>	
10:30-11:00	DDDAS for Material Characterization, Health Monitoring, and Critical Event Prediction of Complex Structures	Prof. <a href="#">Charbel Farhat</a> , Stanford University
		Dr. <a href="#">John Michopoulos</a> , NRL/DOD
11:00-11:30	<a href="#">Predictability and Uncertainty in DDDAS</a>	Prof. <a href="#">George E. Karniadakis</a> , Brown University
11:30-12:00.	Is Life a Dynamic Data Driven DNA Application System?	Dr. <a href="#">SangTae Kim</a> , Morgridge Institute
12:00-12:30	Data-Driven Optimization: Illustrations, Opportunities, Some Results, Key Challenges	Prof. <a href="#">Patrick Jaillet</a> , MIT
12:30-1:30	<b>Working Lunch – Please bring \$16.00 for two days of lunchboxes</b>	
1:30-2:00	Working Group Charges	
2:00-3:30	Working Group Session	
3:30-3:45	<b>BREAK</b>	
3:45-5:00	Working Group Session	
5:00-5:45	WG Summary Presentations and Discussion	

<b>5:45</b>	<b>MEETING ADJOURNED FOR THE DAY</b>
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<b>Agenda Day 2</b>		
<b>Tuesday, August 31, 2010</b>		
<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>8:15-8:30</b>	Refreshments	
<b>8:30-10:00</b>	Working Group Session	
<b>10:00-12:00</b>	Working Group Session	
<b>12:00-1:00</b>	Working Lunch	
<b>1:00-3:00</b>	Working Group Out-briefing	
<b>3:00-3:30</b>	Concluding Discussion	
<b>3:30</b>	Workshop Adjourns	
<b>3:30-5:00</b>	Meeting only for WG-Chairs & Organizers	
<b>5:00</b>	<b>MEETING ADJOURNED FOR THE DAY</b>	

<b>Agenda Day 3</b>		
<b>Wednesday, September 1, 2010</b>		
<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>8:15-4:30</b>	<b>Only for WG-Chairs &amp; Organizers</b> <i>Initial Write-up of Report by Working Group Chairs and Organizers</i>	
<b>4:30</b>	<b>MEETING ADJOURNED</b>	