IEEE GEOSS Workshop – Implementing a System of Systems I

SoS Engineering and Information Infrastructure for GEOSS

Hawaii Convention Center, Honolulu, Hawaii, USA
Sunday, April 15, 8:30 am-5:30 pm

Agenda of Speakers and Presentations

Moderators:

Athina Petropulu, Paul Gartz, Al Gasiewski

Time	Topic	Speaker
SESSION 1: Opening		
8:30	Welcome and opening	Athina Petropulu – Drexel University and IEEE SPS Paul Gartz – Boeing and IEEE SySC
8:40	Introductions and workshop objectives	Al Gasiewski – Univ. Colorado & IEEE ICEO
8:50	Overview of GEOSS	Eliot Christian – USGS
9:20	Relevant R&D Initiatives of the European Commission	Guy Weets – EC DG
9:50	Data Assimilation for Geophysical Applications	Alan S. Willsky – MIT via telecon
10:20-10:40	Break	
SESSION 2: GEOSS SoS Engineering		
10:40	Implementing the GEOSS Architecture using Open Standards	Simon Cox – CSIRO Australia and OGC
11:20	Systems Engineering for a Global System of Systems	Marion Butterfield – Boeing
11:40	SoS Architecture	Carroll Hood – Raytheon
12:10-1:15	Lunch (no host)	
SESSION 3: GEOSS Information Flow and Processing		
1:15	Value Assessment of GEOSS Using an Architecture Model	James Martin – INCOSE
1:45	Sensor Web	Denis Havlik – SANY
2:15	Information Processing Infrastructure	Riyosuke Shibasaki – University of Tokyo
2:45	Scalable Architectures for Distributed Geospatial Databases	J. Andrew Rogers - Google Earth
3:15-3:35	Break	
SESSION 4: Key Applications: Virtual Globes		
3:35	Using Digital Globes to Connect GEOSS with the Community	Bill Gail – Microsoft Vexcel
4:05	Open Discussion or Panel Session on the following themes: 1) Key technical challenges in Signal Processing and Communications in implementing GEOSS 2) SoS interoperability and engineering challenges for GEOSS	Moderators: Athina Petropulu – Drexel Univ. Paul Gartz – Boeing and IEEE SySC Panelists
5:15-5:30	Closing remarks	Al Gasiewski – Univ. Colorado & IEEE ICEO