

2008 Workshop International Consortium on System of Systems (ICSOS) icsos.org/2008workshop



SMC



**Workshop Theme: SoS and SoSE
in service of Security, Energy and
Environment**

June 5, 2008

**Portola Plaza Hotel
Monterey, CA, USA**



Technical Co-Sponsored:

**IEEE Systems,
Man, and Cybernetics Society
and IEEE Systems Council**

A System of systems (SoS) conceptualization is essential in resolving issues involving heterogeneous independently operable systems to achieve a unique purpose. Successful operation as a SoS requires communication among appropriate individuals and groups across enterprises through an effective protocol. A position paper was published in September 2007 by a group of concern professionals [1] for the creation of a consortium of concerned system engineers and scientists worldwide to examine the problems, and solutions strategies, associated with SoS. The consortium could lead efforts in clarifying ambiguities and in seeking remedies to numerous open questions with respect to SoS analysis, SoS Engineering (SoSE) as well as differences between Systems Engineering (SE) and SoSE. The mission of this consortium is envisioned to (i) act as a neutral party (ii) provide a forum to put forth Calls to Action, and (iii) establish a community of interest to recommend set of solutions.

[1] D. De Laurentis, C. Dickerson, M. Di Mario, P. Gartz, M. Jamshidi, S. Nahavandi, A. P. Sage, E. Sloane, D. Walker, "A Case for an International Consortium on System of Systems Engineering," *IEEE Systems Journal*, Volume 1, No. 1, September 2007.

One of the activities of the Consortium is to organize an annual workshop whose agenda is formulated by its membership.

Tentative topics of the workshop can be:

- Engineering of SoS
- Global Earth Observation SoS
- Global and national security
- Healthcare Systems
- Transportation systems
- IEEE and INCOSE alignment on goals
- ICSOS vision and 2008-2009 Goals
- National Needs of SoSE
- ICSOS funding profile
- Others
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Important Deadlines:

January 15, 2008 Proposals for Panel Sessions

February 15, 2008 Acceptance/Rejection notification

April 30, 2008 Advance Registration of Workshop

April 11, 2008 Workshop Program is formed

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