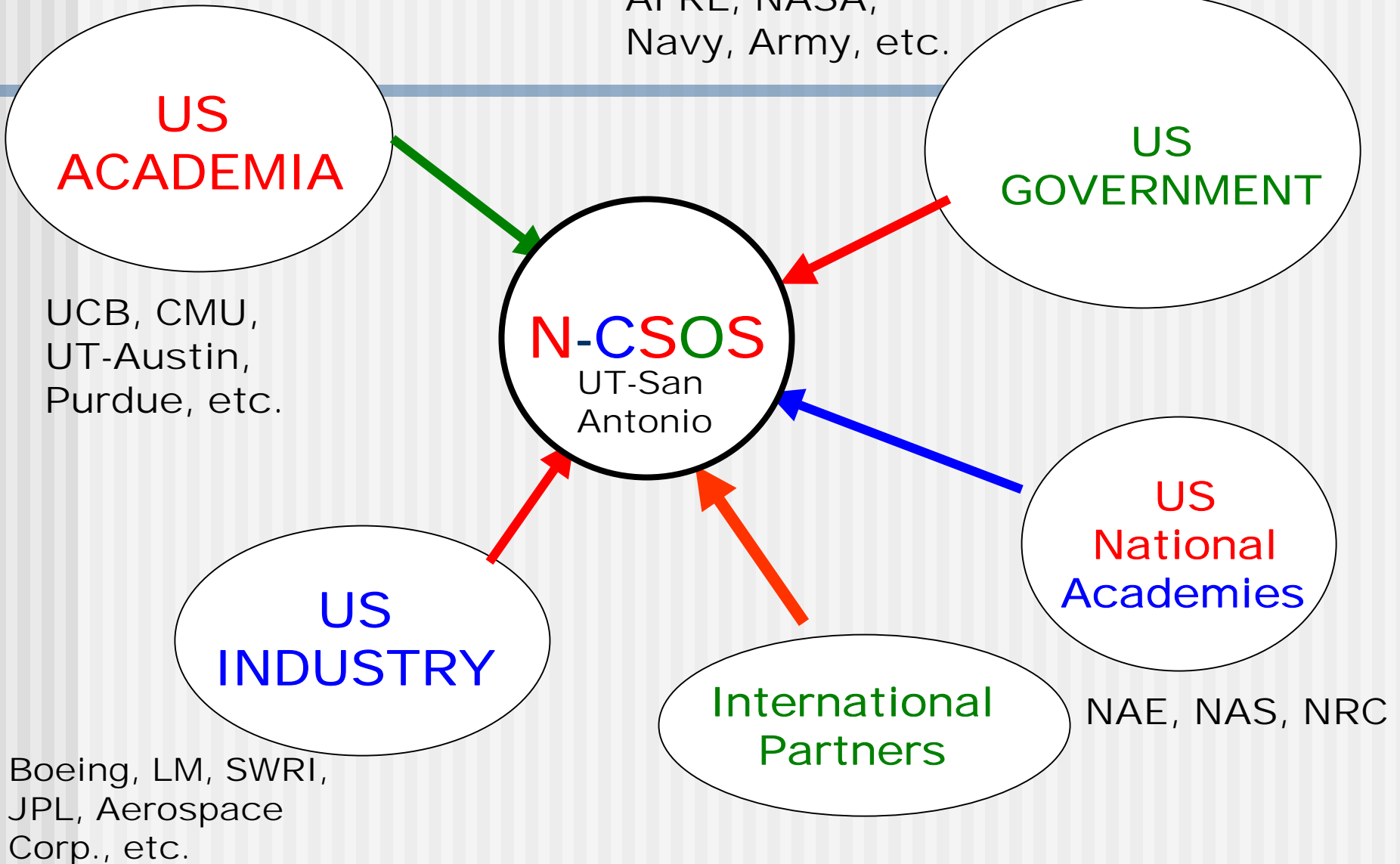


National Consortium on System of Systems

AFRL, NASA,
Navy, Army, etc.



NCSOS

- **Objective:** Put the best minds together to solve SoSE problems – Theory & implementation
- 1) Create a clearing house of all SoS (science and engineering) researchers
- 2) Teaming of partners for national proposals to solve real SoS problems
- 3) Commercializing and transfer of SoS technologies or policies
- 4) Annual workshop concurrent with the IEEE SoSE conference
- 5) Cooperation with other efforts in US and overseas

NCSOS

■ **Plan:**

- **1) All-Texas meeting in San Antonio (November 3, 2006)**
- **2) National (International) meeting at the IEEE SoSE 2007 meeting (Holiday Inn River walk – San Antonio, April 15, 2007)**
- **3) Begin work in May 2007**

IEEE SOSE 2007

■ **Come to :**



■ **IEEE SoSE 2007 ... San Antonio, Texas**

... Best city in Texas

Dates: April 16-18, 2007



Team: General Chair: Mo Jamshidi (UTSA), Program co-chairs: Bret Michel (Naval Postgraduate School), Dan DeLaurentis (Purdue) and many volunteers.

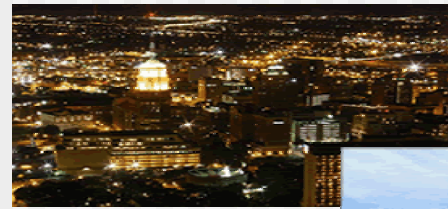
2007 IEEE Conference on System of Systems Engineering

SMC



(SoSE)
Conference Theme: SoSE
in service of Energy and Security
April 16-18, 2007

Holiday Inn Riverwalk - San Antonio, TX, USA



**Sponsored by the IEEE Systems,
Man, and Cybernetics Society
and IEEE Systems Council**

**Technical Co-Sponsors: IEEE Aerospace and Electronic
Systems Society**

IEEE SMC Society announces the second International Conference on System of Systems Engineering (SoSE) with its vast ramifications in numerous engineering fields such as control, computing, communication, information technology and the applications to manufacturing, defense, national and homeland security, aerospace, aeronautics, energy, environment, etc. The SoSE 2007 will be held in San Antonio, TX, from April 16 to April 18, 2007. The conference theme is "**2007 theme is Security and Energy**," reflecting the need of growing recognition that significant changes in large-scale systems integration. For general and technical program inquiries about the conference, please contact the conference General Chair, Dr. Mo Jamshidi (moj@wacong.org), and the Program Co-Chairs, Dr. Dan DeLaurentis (ddelaure@purdue.edu) and Dr. Bret Michael (bmichael@nps.edu), respectively.

SoSE 2007 provides a world-class forum of all aspects of systems engineering, human-machine systems and emerging cybernetics. Papers related to this theme are especially solicited, including theories, methodologies, and applications of System of Systems in science, technology, industrial, education, and etcetera. Topics covering industrial issues/applications and academic research are encouraged, including, but not limited to:

Systems Modeling, Simulation & Control, Adaptive intelligent systems, Defense systems and Applications, Aeronautics guidance, Navigation, and Control, Integrated Systems Architecture, Intelligent Health Monitoring Systems, Moon and Mars missions, Space Rovers and Exploration, Biomedical and Bioinformatics, Emerging Technology, Internet and Cyberspace Security, Security Engineering and Technology, Safety Reliability & Quality Assurance, Systems Engineering Education, Technology Assessment, Internet/Electronic Commerce, Data Mining & Management, Intelligent Communications and Transportation, Manufacturing Systems, Large-Scale Systems, Bio-inspired systems and Robotic Systems, Image Processing/Pattern Recognition, Multiagent Systems & Distributed AI, Human/Machine Systems, Computation Intelligence Theory and Applications to SoS.

Contributed Papers:

The maximum number of pages is limited to **six**, including figures. A maximum of 2 additional pages will be permitted at an extra page charge of US\$200 per page. We will also accept three-page posters (in PDF format). Detailed instructions for paper/poster submission and format can be found on the conference web site (<http://engineering.utsa.edu/2007ieeesose>).

Invited Sessions:

Invited sessions are to provide a forum for focused discussions on new topics, or innovative applications of established approaches. An invited session consists of four papers that must be electronically submitted for review using the same procedure for contributed papers. A proposal must include: (1) Title, (2) Organizers, (3) Brief Statement of Purpose for the session, and (4) A List of Authors and Paper Titles. The session organizers must submit proposals to the Invited Sessions Chair Sos Agaian, Sos.Agaian@utsa.edu by **December 15, 2006.**

Tutorial Proposals:

Proposals for half-day tutorials must be submitted to the Tutorials Chair. Proposals that address topics related to the conference theme. Proposals must include (1) Title, (2) Organizers, (3) Objectives and Topics, (4) Intended Audience, and (5) List of Speakers. Proposals must be submitted to the Tutorials/Workshops Chair, [John Santiago at jsantiago@coloradotech.edu](mailto:John.Santiago@coloradotech.edu) by **December 15, 2006.**

Important Deadlines:

December 15, 2006 Proposals for Invited Sessions & Tutorials

January 31, 2007 Submission of full-length papers or 3-page abstracts

February 15, 2007 Acceptance/Rejection notification

Conference General Chair:

Mo Jamshidi, Univ. of Texas, San Antonio,
USA, moj@wacong.org, mo.jamshidi@utsa.edu

Program Co-Chairs:

Dan DeLaurentis, Purdue University, W. Lafayette, IN, USA,
ddelaure@purdue.edu

Bret Michael, Naval Post-Graduate School,
USA, bmichael@nps.edu

Finance Chair:

Walter Downing, SwRI, USA, walt.downing@swri.org

Invited Sessions

Sos Agaian, Univ. Texas, San Antonio, USA

Sos.Agaian@utsa.edu

Tutorials Chair:

John Santiago, Colorado Technical Univ.

USA, jsantiago@coloradotech.edu

Local Arrangements Co-Chairs:

David Akopian, Univ. Texas, San Antonio, USA

Chunjiang.Qian@utsa.edu

Wenbin Luo, St. Marys Univ., USA

wbluo@yahoo.com

Publications Co-Chairs:

Ferat Sahin, Rochester Inst. of Tech., USA

fesee@rit.edu

Vahid Emamian, St. Marys Univ., USA

IEEE SOSE 2007

■ **Come to :**

■ **IEEE SoSE 2007 Tracks:**

■ **Military ...** Keynotes, Sessions & Tutorials

■ **Space ...** Keynotes, Sessions & Tutorials

■ **Manufacturing ...** Keynotes, Sessions & Tutorials

■ **Environment and Planet Earth ...** Keynotes, Sessions & Tutorials

■ **Energy ...** Keynotes, Sessions & Tutorials

■ **Biologically-inspired Systems**

■ **Etc.**

Sponsors: SMC and SysC with AES Technical co-sponsore



ISJ - IEEE Systems Journal

Mo Jamshidi Editor-in-Chief

(Ed. Manager: Carol Mikush, carol.mikush@utsa.edu)

***Scope:* = *provides a* focused forum for application-oriented manuscripts that address complex systems and system-of-systems of national and global significance = *facilitate a* cooperation and interaction among IEEE Societies with systems-level and systems engineering interest, and to attract non-IEEE contributors and readers from around the globe**