

McLeod Institute of Simulation Science

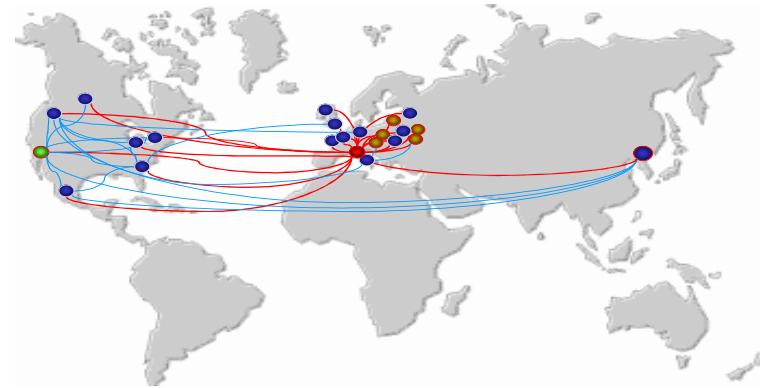
www.simulationscience.org

The Institute of Simulation Science is an International Network named after John McLeod, the founder of the Society for Computer Simulation International and the first editor of its journal, "Simulation"

The MISS consists of co-operating Centers active in professionalism, research, education and knowledge dissemination in the modeling and simulation domain.

Modeling and simulation (M&S) is an enabling technology for:

- Decision making in system design, development, optimization, control, and acquisition, as well as for sensitivity analysis, planning, and prototyping
- Understanding
- Education and training to enhance decision making and/or motor skills
- Entertainment
- Supporting real system operations
- Enriching real system operations



The MISS aims to provide an organizational structure that will serve to integrate and enrich, within its Centers, the activities of modeling and simulation expertise throughout the world.

Prof. Andras Javor, World Director of MISS

M&SNet

M&S Net ***Modelling & Simulation*** ***Network***

M&S Net

General Director: Prof. A.G. Bruzzone

Email: agostino@itim.unige.it

www.m-s-net.org

www.simnetwork.org



M&SNet Initiative



www.m-s-net.org www.simnetwork.org

www.site.uottawa.ca/~oren/SCS_MSNet/SCS_MSNet/msnet.htm

The M&SNet is a consortium of co-operating independent organizations active in professionalism, research, education, and knowledge dissemination in the modeling and simulation (M&S) domain established in 2003. The M&SNet aims to provide an organizational structure that will serve to integrate and enrich, within its organizations, modeling and simulation activities throughout the world. The M&SNet provides a framework within which organizations interested in M&S can interact, share expertise, and work on problems of common interest.

The mission of the M&SNet is to foster:

- Professionalism in modeling and simulation,
- Advancing the art and science of M&S,
- Applying M&S in all domains where it is applicable, and
- Disseminating M&S-related knowledge.

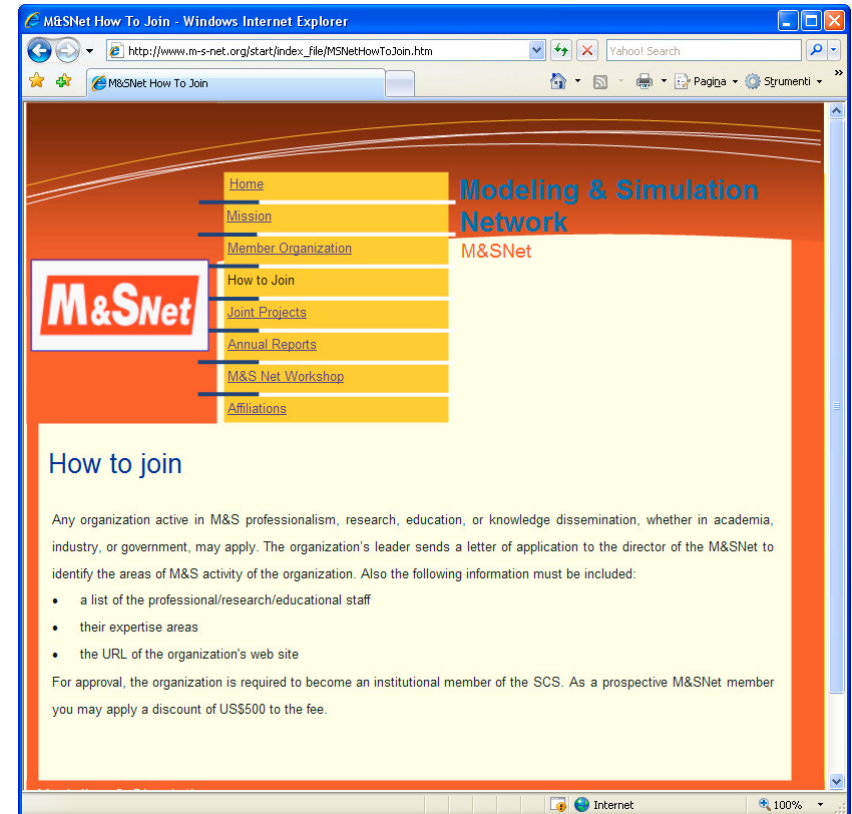


M&SNet Institutions

www.m-s-net.org/start/index_file/MembersOrganization.htm



- MISS (McLeod Institute of Simulation Science)
- ACIMS (Arizona Center for Integrative Modeling and Simulation)
- MISS-DIPTEM Genoa
- MISS Ottawa Center
- MISS BUAA Center Beijing
- MSC-LES, Unical, Italy
- LSIS Center
- AMSL (The Auburn Modeling and Simulation Laboratory)
- KAIST (Korea Advanced Institute of Science and Technology)
- IST - Institute for Simulation & Training - UCF
- BioSystems Group (UCSF - University of California San Francisco)
- MSDS Spain
- VMASC
- Versim France



M&SNet OBS

www.m-s-net.org



- **Director:**

- **Agostino G. Bruzzone, MISS Genoa Center, University of Genoa, Italy**

- **Vice-Directors**

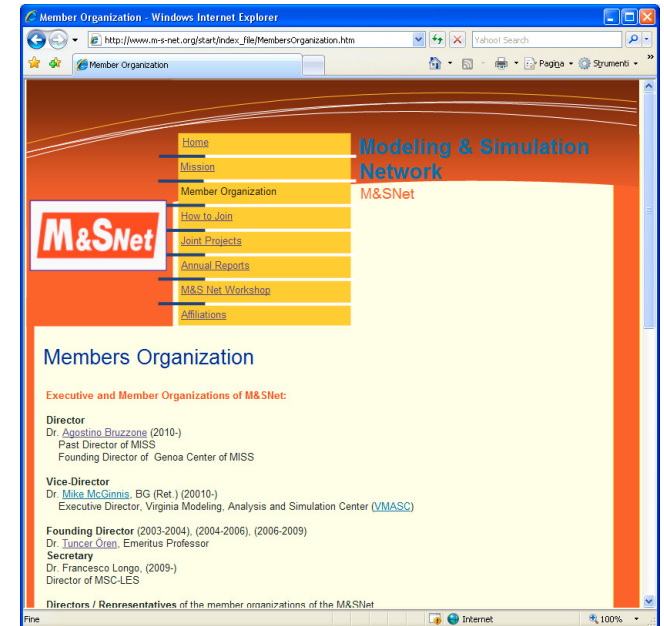
- **Mike McGinnins, Peter Kiewit Institute (PKI), University of Nebraska**

- **Founder**

- **Tuncer Oren, Ottawa University, Canada**

- **Secretary**

- **Francesco Longo, MSC-LES, Unical, Italy**



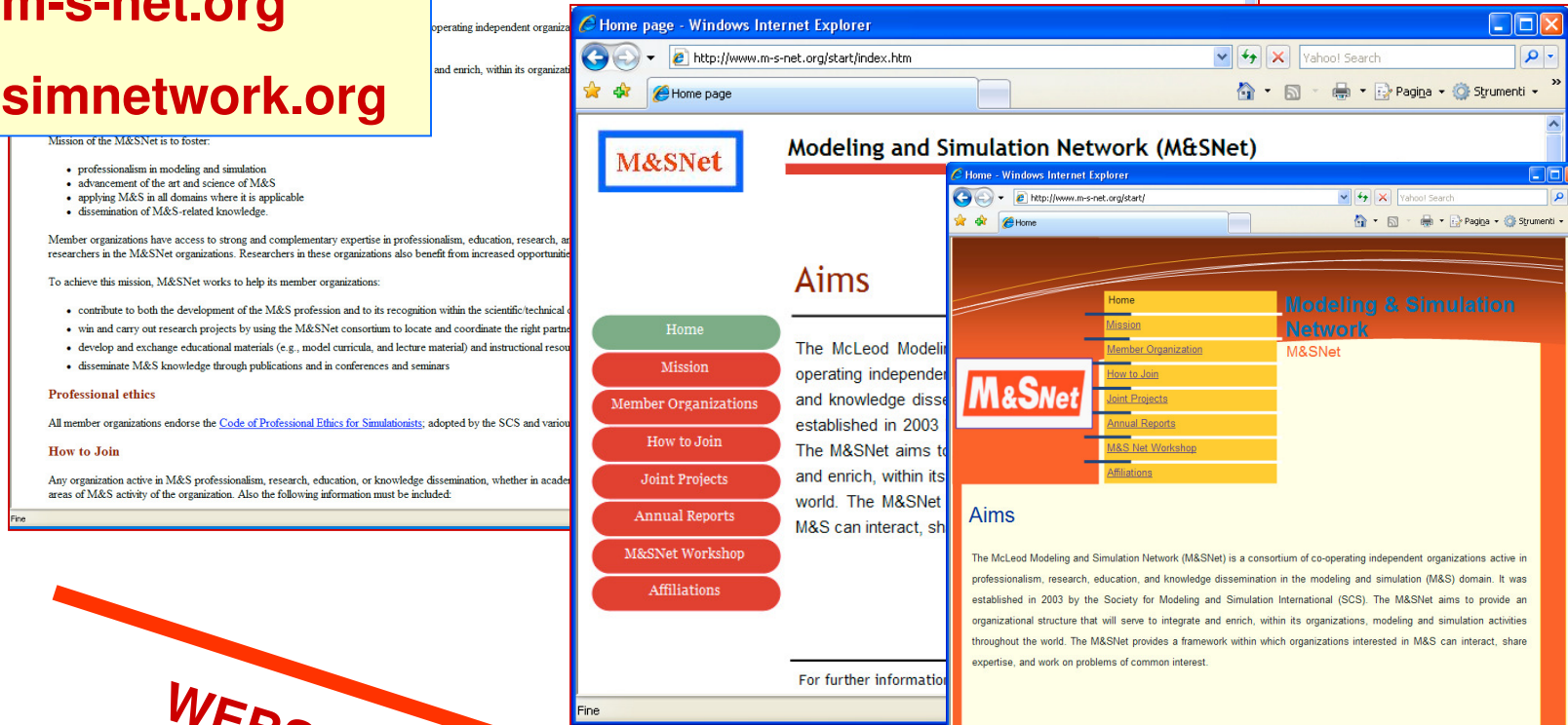
M&SNet New Web Site

www.m-s-net.org



WEB Initiative

- www.m-s-net.org
- www.simnetwork.org



WEBSITE EVOLUTION



M&SNet Research

www.m-s-net.org



McLeod Institute of Simulation Sciences - R&D Projects - Microsoft Internet Explorer

Indirizzo: <http://www.simulationscience.org/projects.html>

McLeod Institute of Simulation Sciences



R&D Projects

| Subject | Type | Description | Refer |
|-------------------------|---------|---|----------|
| Artificial Intelligence | Project | Knowledge Management System Requirement Definition Study - U.S. Joint Forces Command, Joint Warfighting Experimentation Battle Laboratory | VM Cent |
| Artificial Intelligence | Project | Intelligent Synthesis Environment - NASA, Langley Research Center | VM Cent |
| Artificial Intelligence | Topic | AI - Cognition / Perception of Human Behavior | Chm BU |
| Artificial Intelligence | Topic | AI - Motion simulation of human-beings | Chm BU |
| Artificial Intelligence | Topic | AI - Personated intelligent control | Chm BU |
| Artificial Intelligence | Topic | AI - Virtual humans | Chm BU |
| Artificial Intelligence | Topic | AI in simulation based on intelligent demons and Knowledge Attributed Petri Nets (KAPN), CASSANDRA simulation system | Hum Cent |
| Artificial Intelligence | Topic | Artificial intelligent and simulation | Chm BU |
| Artificial Intelligence | Topic | Simulation of human behavior | Ottav |

Joint Projects - Windows Internet Explorer

Indirizzo: http://www.m-s-net.org/start/index_file/JointProjects.htm



Modeling & Simulation Network

M&SNet

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- Joint Projects
- Annual Reports
- M&S Net Workshop
- Affiliations

Joint Projects

Some Joint Projects carried out under MSNet umbrella:

- Modeling and Simulation Body of Knowledge ([M&SBOK](#))
- Ethics for Simulationists ([SimEthics](#))
- Modeling and Simulation Dictionary Project ([SimDic](#))
- A Systematic Inventory of over 8000 M&S Terms and Concepts ([SimTerminology](#))

Modeling & Simulation Network (M&SNet)

For further information please contact info@m-s-net.org

Web manager and Web designer of M&SNet: [Antonio Chiofalo](#)

Research & Development

M&SNet Workshops

www.m-s-net.org



Modeling & Simulation Network
M&SNet

M&SNet Workshops

Meetings to explore the power of synergy offered by the M&SNet

- 2003-12-05, Tucson, AZ - [Presentations](#)
- 2004-07-25, San Jose, CA - [Suggestions/Recommendations](#)
- 2006-07-30, Calgary, Alberta, Canada
- 2007-07-15, San Diego, CA
- 2008-06-16, Edinburgh, Scotland - M&SNet-MISS Joint Directors Workshop
- 2008-09-17-19, Briatico, Calabria, Italy - M&SNet Research Workshop
- 2009-07-15, Istanbul, Turkey - M&SNet-MISS Joint Directors Workshop
- 2009-09-23-25, Tenerife, Spain - M&SNet-MISS R&D Workshops
- 2010-07-11-15, Ottawa, Canada - M&SNet-MISS Joint Directors Workshop
- 2010-10-23-25, Fes, Morocco - M&SNet Research Workshop
- 2011-06-26-29, The Hague, NL - M&SNet-MISS Joint Directors Workshop
- 2011-09-12-14, Rome, Italy - M&SNet-MISS R&D Workshops

Modeling & Simulation Network (M&SNet)
For further information please contact info@m-s-net.org



www.scs.org

M&SNet

SCSC 2012 GCMS SPECTS

SummerSim 2012
Architecture Complex, Genoa University
Stradone Sant'Agostino 11, Genoa, Italy
July 8-11, 2012

General Chairs:
Prof. Agostino Bruzzone



SUMMERSIM 2012

Summersim is a large event usually organized in North America and Europe to provide the opp Focusing on several topical perspectives will illustrate the tremendous evolution of the model M&S with special attention to methodologies, techniques and applications. The 2012 edition w locations such as Portofino, Clisque Terre, as well as a chance to visit Genoa, Maritime Republi sessions and other activities in any of the constituent events, such as SPECTS, SCSC & GCMS



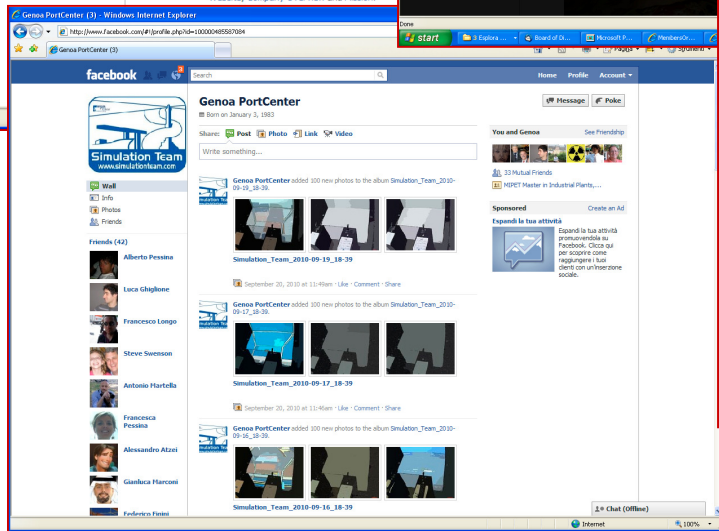
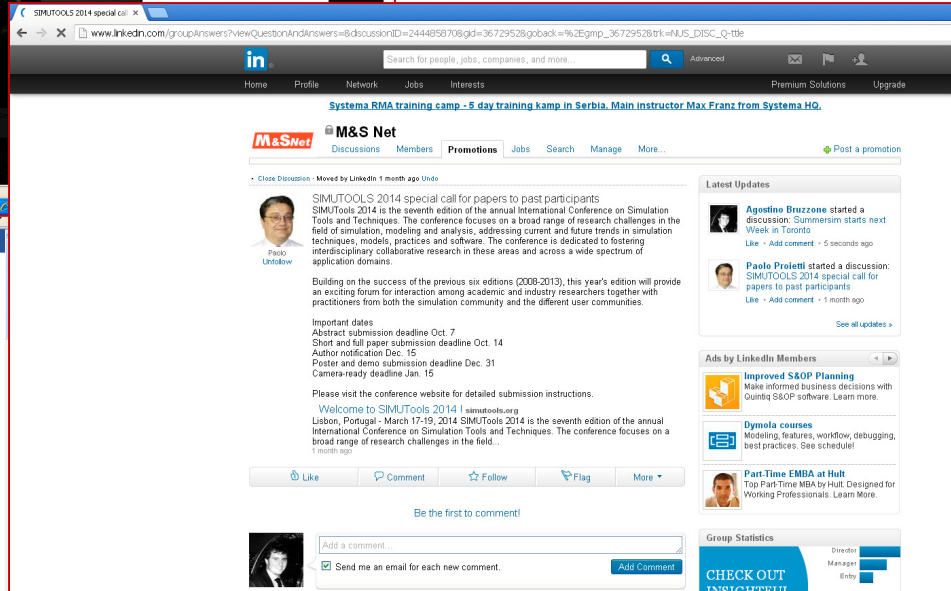
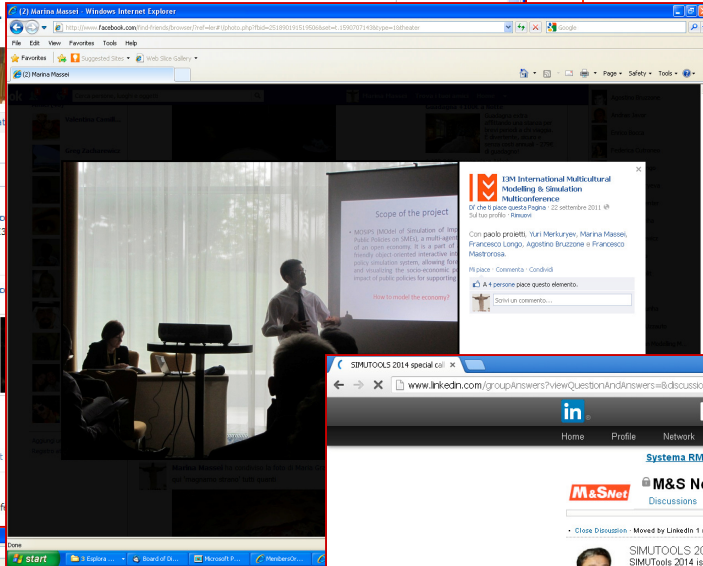
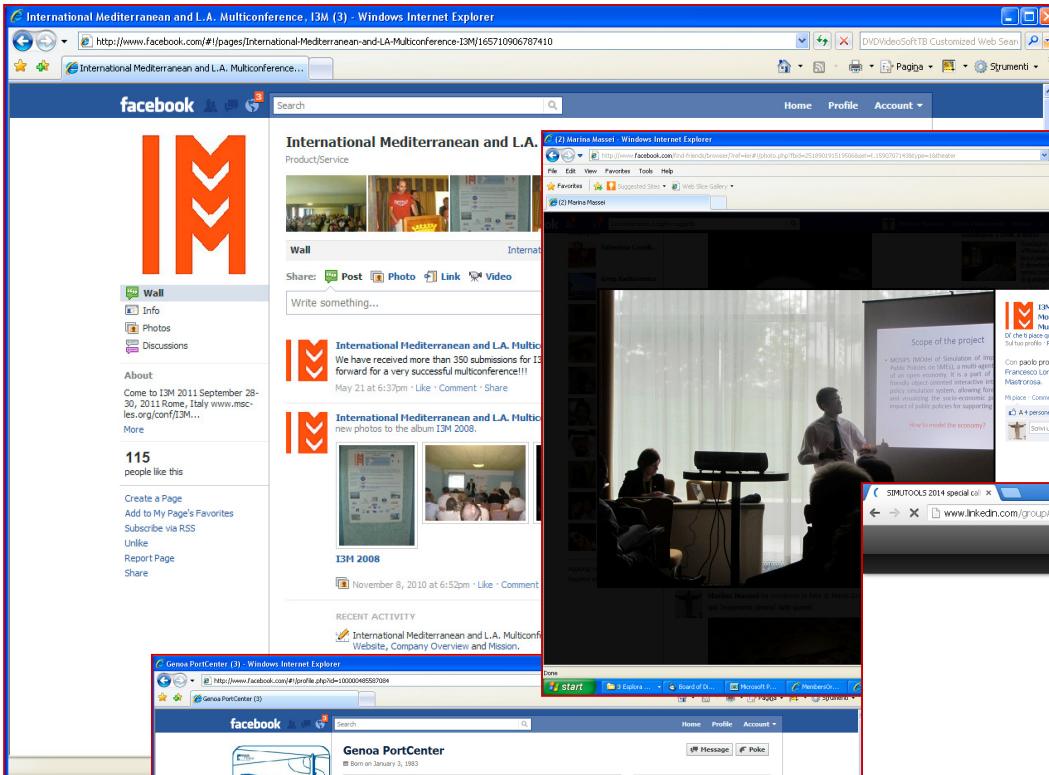
Workshops & Conferences

M&SNet Web & SN

www.m-s-net.org



Web & Social Networks



M&SNet Education

www.m-s-net.org



McLeod Institute of Simulation Sciences - Education - Microsoft Internet Explorer

Indietro - Cerca - Strumenti

http://www.simulationscience.org/education.html

McLeod Institute of Simulation Sciences

Education

M&S Courses

| Title | Type | Reference |
|---|---------------------|-------------------------------------|
| Advanced Simulation Technology | University Course | Chinese BUAA Center |
| Distributed Interacted Simulation | University Course | Chinese BUAA Center |
| Flight Real Time Simulation System and Technology | University Course | Chinese BUAA Center |
| Fundamentals of Computer Animation | University Course | Calgary Center |
| Games Programming | University Course | Calgary Center |
| High Level Architecture - SIREN | Professional Course | Genoa Center |
| Industrial Plants - Continuous Simulation | University Course | Genoa Center |
| Introduction to distributed systems | University Course | Calgary Center |
| Introduction to Modeling and Simulation | University Course | Latman Center |



MSNet Annual Reports - Windows Internet Explorer

http://www.m-s-net.org/start/index_file/MSNetAnnualReports.htm

MSNet Annual Reports

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Modeling & Simulation Network

M&SNet

Annual Reports

| | Member Organization | presentation | 2004 | 2009 |
|-------------------|---------------------|------------------------------|------------------------|------------------------|
| Director's report | | | report | |
| International | MISS | | report | report |
| Canada | MISS-Ottawa Center | | report | |
| China | MISS-BUAA Center | | | report |
| France | MISS-ISIS Center | presentation | report | |
| France | VERSim | presentation | | |
| Italy | MISS-Genoa Center | presentation | report | report |
| Italy | MSC-LES | presentation | | report |
| Korea | SMS | | | |
| Spain | MISDS | | | |
| USA | ACIMS | | report | |
| USA | AMSL | | report | |
| USA | BioSystemsGroup | | | report |
| USA | IST | | report | |
| USA | VMASC | presentation | | report |

Education & Networking

Member Organizations

How to Join

Joint Projects

Annual Reports

M&SNet Workshop

Affiliations

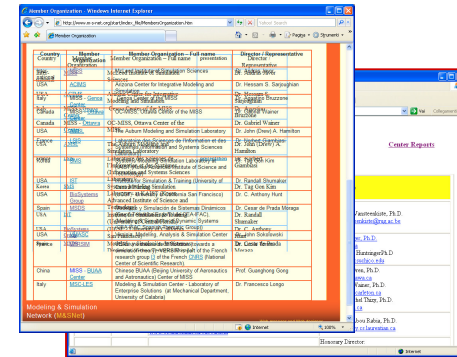
- 2004-07-25, San Jose, CA, [Suggestions/Recommendations](#)
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M&SNet Partners

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Centers

M&SNet Repository

www.m-s-net.org



Reports from

- [2002 Reports](#)
- [2003 Reports](#)

• MISS Policies and Code of Professions

[Back to MISS](#)

M&SNet Workshop

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- [2003-12-05](#), Tucson, AZ, [Presentations](#)
- [2004-07-25](#), San Jose, CA, [Suggestions/Recommendations](#)
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McLeod Modeling and Simulation Network (M&SNet) of SCS

M&SNet Annual Reports and Presentations of Member Organizations

| Member Organization | presentation | 2004 | 2009 |
|---------------------|------------------------------------|------------------------------|------------------------|
| Director's report | | report | |
| International | MISS | report | report |
| Canada | MISS-Ottawa Center | report | |
| China | MISS-BUAA Center | | report |
| France | MISS-LSIS Center | presentation | report |
| France | VERSIM | presentation | |
| Italy | MISS-Genoa Center | presentation | report |
| Italy | MSC-LES | presentation | report |
| Korea | SMS | | |
| Spain | MSDS | | |
| USA | ACIMS | | report |
| USA | AMSL | report | |
| USA | BioSystemsGroup | | report |
| USA | IST | report | |
| USA | VMASC | presentation | report |

2002-2003 Annual Report of BUAA CENTER-MISS

Honoured Director: Professor Chaoqun Wen
 Director: Professor Bo Hu Li
 Co-Vice-Director: Professor Xingren Wang
 Co-Vice-Director: Associate Professor Guangsheng Gong

1. Address and Phone Fax:
 Beijing University of Aeronautics and Astronautics Center
 Beijing University of Aeronautics and Astronautics,
 37 XueYuan Road Haidian District,
 Beijing, P.R. China

BUAA Center of MISS : 0086-010-82317320 (Phone), 82328
 Chinese Association of System Simulation: 0086-010- 823

2. Email:
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WangXr@dept1.buaa.edu.cn
gsg@dept1.buaa.edu.cn

3. The number of membership and present management committee of BUAA CENTER-MISS
 The number of membership of the BUAA CENTER/MISS is 130
 The present management committee members of the BUAA CENTER/MISS are: Bo Hu Li, Xingren Wang, Guangsheng Gong, Zongqi Chen, Mingjun Zhang, Xiaoyan Peng and Gongzhang Shen.

4. Recent Academic programs:

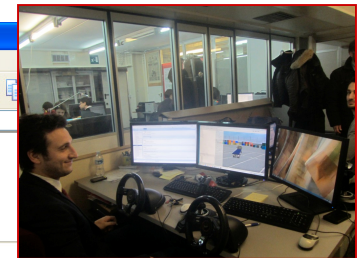
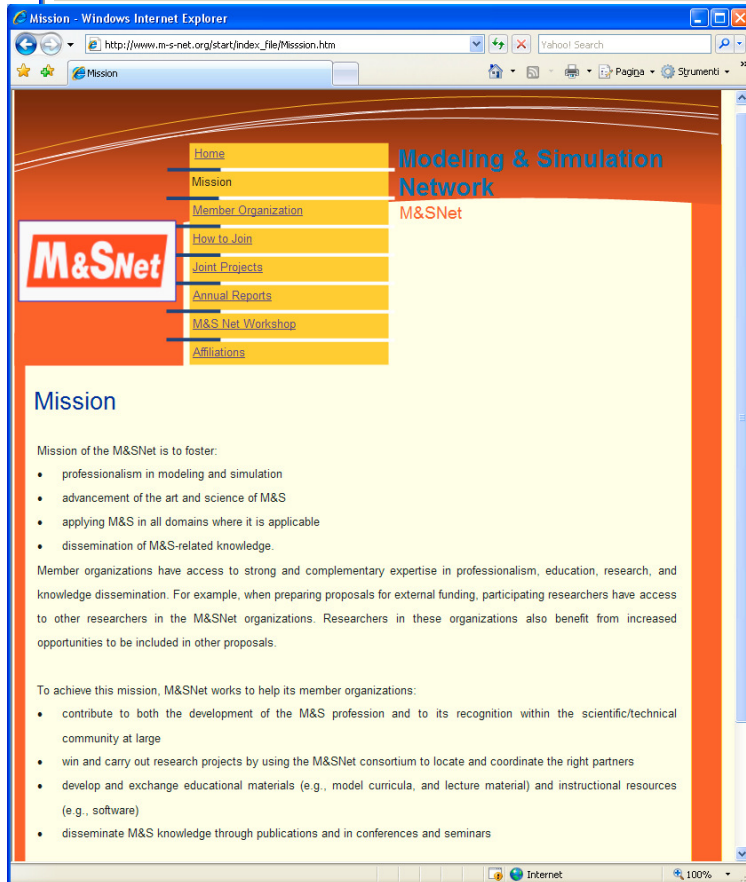
Reports & Documentations

M&SNet Networking

www.m-s-net.org



Hyperlinks



M&SNet Planning

www.m-s-net.org

- **Open Issues**

- **New Infrastructures**

- Web, LinkedIn

- **New Conferences & Workshops**

- SESDE

- **Networking**

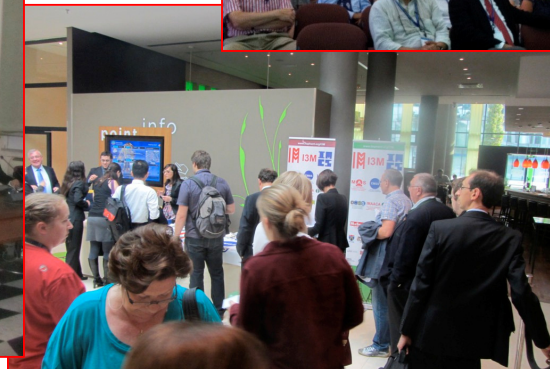
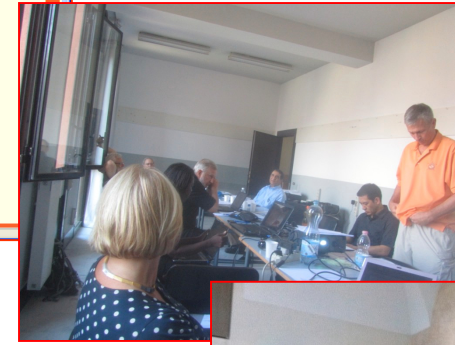
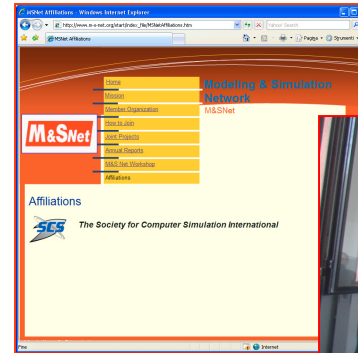
- M&S Net

- MISS

- **Simulation References**

- Simulation Handbook

- Simulation Terminology



Athens, Greece, September 25-27, 2013

