



CAPRICORN



Cimic And Planning Research In Complex Operational Realistic Network



CAPRICORN Partners & Stakeholders



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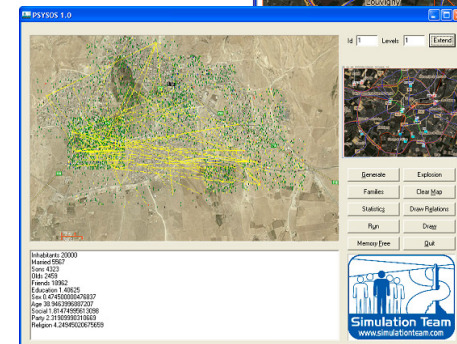
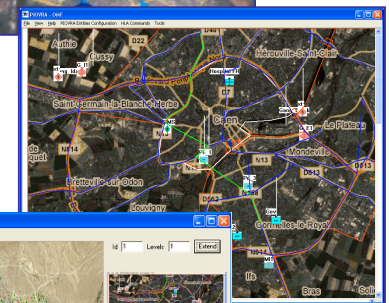




CAPRICORN Highlights

Capricorn is a groundbreaking Project due to its Innovative application of Simulation

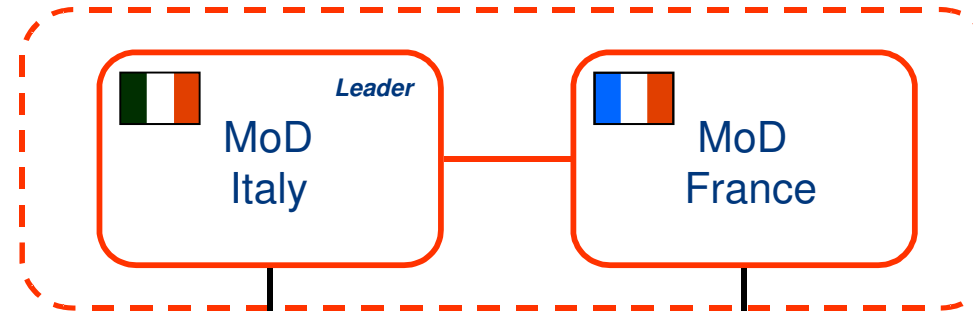
- Investigation on the use of Intelligent CGF and Simulation for Operational Planning
- Advanced Human Behavior Hierarchical Models for Intelligent Agents and CGF
- Modeling CIMIC & PSYOPS for Interoperable Simulation
- Enhanced Interoperable Multilevel Models for Operational Planning





CAPRICORN Team

Management Group



SEGREDIFESA



DIPTM University of Genoa



MINISTÈRE DE LA DÉFENSE



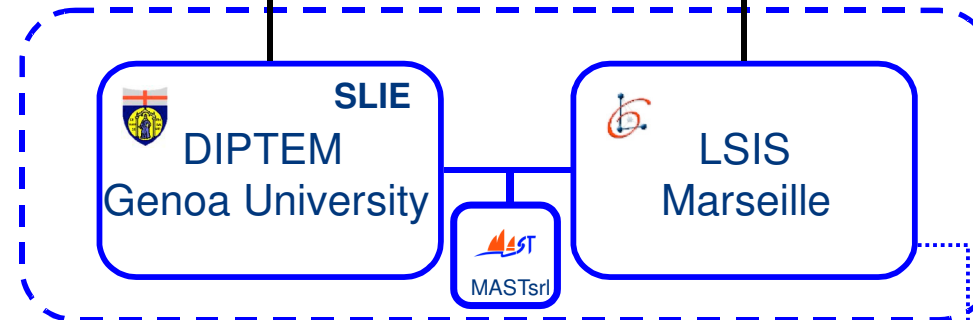
DÉLEGATION GÉNÉRALE POUR L'ARMEMENT



LSIS Marseille



Technical Committee



CAPRICORN - CIMIC And Planning Research In Complex Operational Realistic Network



CAPRICORN Partners

- **DIPTTEM University of Genoa, *Italy***

- 60 Researchers 30 PhD Students and co-operating researchers and professionals
- Major Research Areas: M&S, Logistics, Quality Assurance, Safety, Mathematical Modelling, Operational Research, Industrial Technology
- 2 Research Facilities at Genoa University: Savona Campus and Genova Campus

- **LSIS, *France***

- More than 100 researchers and more than 100 PhD and master students
- Computer sciences, control and images
- UMR CNRS
- MOFED : Discrete Events Models and Formalisms

- **MAST, *Italy***

- Actively involved in the Simulation Team lead by DIPTTEM University of Genoa
- Major Research Areas
 - M&S-based Decision Support Systems
 - Virtual Simulation
 - Military Applications
- MAST-DIPTTEM Joint-Lab located in Savona Campus





McLeod Institute of Technology and M&S M&S Net Genoa Center

Simulation Team
Genoa Center

Email: agostino@itim.unige.it

URL: www.mcleodinstitute.org
www.m-s-net.org

M&SNet

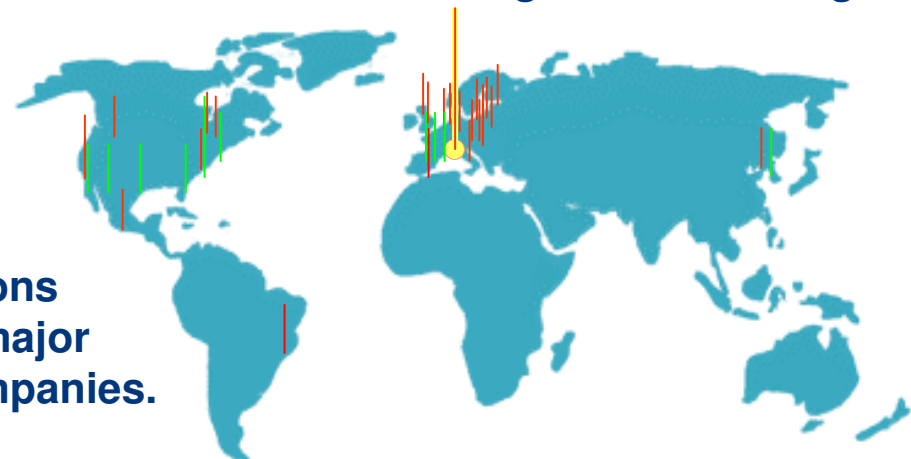
The research group of DIME of *Genoa University* is active from '60 in Simulation applied to Industrial Engineering and is cooperating with M&S Net and MITIM

The activities involve modeling, simulation, VV&A and analysis of Industrial Applications and Services (design, re-engineering, management, training etc.)

as:

Chemical Facilities	Power Plants	PM
Harbor Terminals	Public Services Environment	
Manufacturing	Assembling	Logistics
Public Transportation		

The Department staff is in touch world-wide with the simulation community and is present actively to conferences, exhibitions and working meetings with the major Associations, Agencies and Companies.



34 M&S Net Centers World-Wide

Simulation Team MITIM DIME



The Simulation Team - DIME of *Genoa University* carries out many industrial simulation projects in cooperation with the large corporations and small and medium sized Enterprises; some example of recent industrial simulation project are following:



**Polimeri
Europa ENI**



**Fleet Management Planning & Scheduling
Chemical Plant Logistics Optimization**



ADtranz



Ansaldo

**Service and Optimization
for Power Plant Design**



**Cetena
Fincantieri**



**Simulation & Virtual Project Management
of Car Deck Construction for Fast Ferry**



COOP

**Simulation for Re-Engineering Supply Chain
in a Large Chain of Grocery Stores**



Members of MISS are appointed in several positions in simulation community such as:

- General Director M&S Net (34 M&S Centers worldwide)
- Board of Directors of SCS and Chairman of Technical Chapter
- Member of NATO SAS and NIAG
- Italian Point of Contact of ISAG (International Simulation Advisory Group)



**DIPTeM
Università di Genova**



**ISAG
Marseille**

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DIPTTEM - University of Genoa

DIPTTEM was founded in 1997 as evolution of the Institute of Technology and Industrial Management (ITIM) that was operative from '60. DIPTTEM is composed by about 60 faculty members, 15 technicians and administrative, plus several PhD Students, external Researchers and Consultants. DIPTTEM teachers are involved in Undergraduate, Postgraduate and Professional activities in Engineering, Management.

DIPTTEM active in R&D Projects for major Institutions, Companies and Governmental Organisations. DIPTTEM co-operates actively with major Excellence Centers World-Wide.





University of Genoa: an Overview

The University of Genoa is one of the oldest in Italy and in the World (founded in 1471 AD), it is located in middle of Italian Riviera.

The students are about 40,000 (about 8,000 new entries), and the engineering departments has about 7,500 students (12% in Savona Branch Departments); in effect the Savona Campus Savona holds about 1,000 Engineering Students.

That campus is located about 2 km from Savona Downtown, in an old complex of barracks recently converted into new University Buildings (over an area of 200,000 m²).

For further Information about
the University of Genoa:

<http://st.itim.unige.it>

<http://www.unige.it>





Savona Campus & Facilities

Simulation Team

The University of Genoa includes a new campus in Savona about 2 km outside Downtown; bus services and large parking areas guarantee easy access.

That structure has been obtained transforming Army barracks; today the campus includes a big park with facilities such as tennis courts and sport grounds.

The campus holds Depts on Engineering, Economy and Education; new laboratories have been realised by Simulation Team (Cybersar Mobile Lab, HLA Lab).

Facilities for Professional Congress Centres are available in the surroundings



Savona Campus



Simulation Team Labs



Congress Centre



Partners & Spin-Off

Former Students and Researchers from MISS DIPTM Simulation Team created over the years spin off and companies that currently cooperate in M&S. MAST srl (**M**anagement of **A**dvanced **S**olutions and **T**echnologies) is devoted to drive Innovation to Success in a wide spectrum of Application for different Business Sectors, Companies, Corporations, Agencies, Societies and Governmental Services.



MAST puts *Modeling and Simulation* to work by creating Outstanding Solutions Essential to a Better, Safer, Healthier and Wealthier Life operating worldwide.

MAST offers a wide range of innovative products and services for markets including:

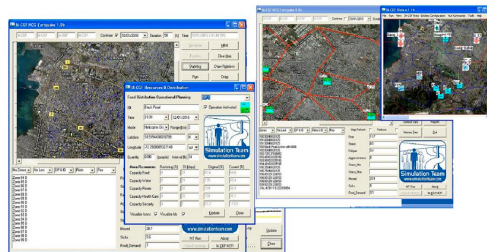
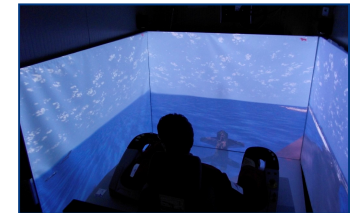
- Aerospace
- Defense
- Electronics
- Engineering
- Safety and Security
- Retail
- Environment
- Logistics
- Service to the Society (nutrition, health care)
- Petrochemical
- Energy and Power
- Shipping & Transportation





MAST, Italy

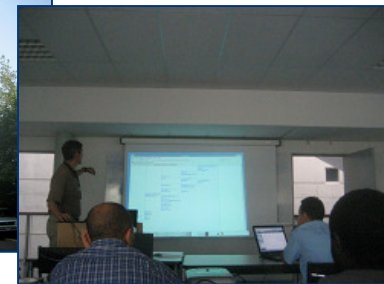
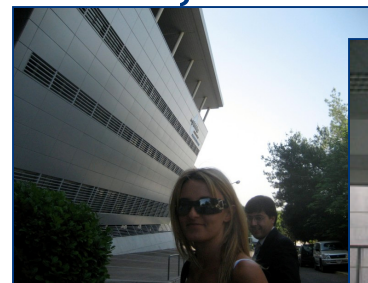
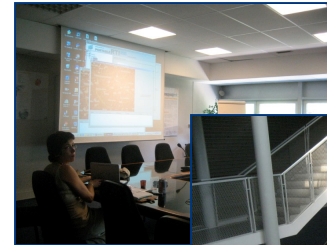
- **Actively involved in the Simulation Team lead by DIPTTEM University of Genoa**
- **Major Research & Development Areas**
 - **M&S-based Decision Support Systems**
 - **Intelligent Agent CGF**
 - **Virtual Simulation**
 - **Military Applications**
- **MAST-DIPTTEM Joint-Lab located in Savona Campus**





LSIS, France

- UMR CNRS
- More than 100 researchers
- More than 100 PhD and master students
- Computer sciences, control and images
- MOFED : Discrete Events Models and Formalisms
- LSIS cooperates with companies, such as ITESOFT, sponsoring PhD Students and Programs





CAPRICORN Web Support

Plovra Project - POLY-FUNCTIONAL INTELLIGENT AGENTS FOR COMPUTER GENERATED FORCES - Windows Internet Explorer

http://www.liophant.org/projects/capricorn/

File Modifica Visualizza Preferiti Strumenti ?


EPSON Web-To-Page - Stampa Anteprima di stampa

Cerca nel Web Mail Mio Yahoo! Answers Flickr Traduci la pagina Anti-Spy

Home LinkedIn Alberto Zoraniella LinkedIn Plovra Project - POLY-FU... X


CAPRICORN Project


CIMIC And Planning Research In Complex Operational Realistic Network




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- [CAPRICORN PARTNERS](#)
- [CAPRICORN EVENTS](#)


CAPRICORN Sponsors



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CAPRICORN Partners



[DIME \(formerly DIPTM\)](#)



 MAST



 LSIS



 ITESOFT


CAPRICORN Stakeholders


 Simulation Team Science Center


 MITM


 M&SNet


 Liophant


 Simulation Team

- [CAPRICORN REFERENCES](#)

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Networks and Supports

- **LSIS, DIPTTEM and MAST are active in multiple Networks that will support the diffusion in Scientific Events related to M&S**
 - Simulation Team
 - I_M_CS
 - Society for M&S International (SCS)
 - M&S Net
 - ...



- **ITESOFT Operates as internal subcontractor of**



LSIS



DIPTTEM
Università di Genova



LSIS
Marseille

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Who We Are?

Universities, Research Centers and Companies operating worldwide in synergy for developing Innovative Solutions with a particular focus in Modelling and Simulation



DIME
Università
di Genova



Liophant
Simulation



CentraLabs
Cagliari



Genoa



CSU
Australia



CIREM
Università di Cagliari



Liophant
Simulation



MSC-LES



etea SICUREZZA



Blizzard Srl



we speed up your business



Simulating Real Processes for Better Decisions



Mik
Riga TU



CENTRAL LABS



DIPMEC
Università Calabria



SimCenter Universitat
Autònoma de Barcelona



Università di Perugia



LISIS
Marseille



Rio de Janeiro
Brazil



Simulation Team
Genoa Center

McLeod Institute of
Technology & Interoperable
Modeling Simulation Genoa



IMS-LAPS
Univ. Bordeaux

LISIS
Marseille

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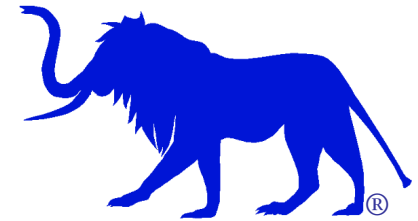


DIPTM
Università di Genova



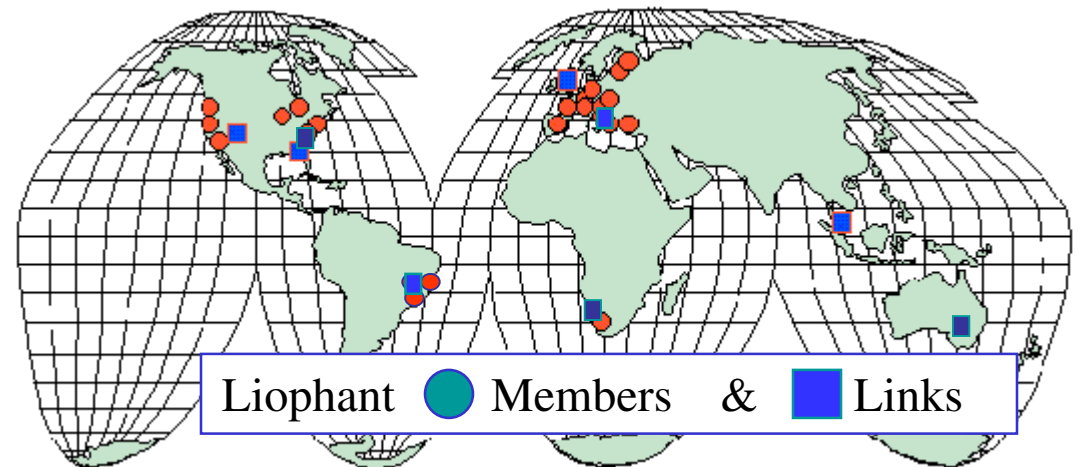
Liophant Simulation

Email info@liophant.org



The *Liophant Simulation* involves World-Wide over 120 Scientists and Technicians working in Companies and Academia. The *Liophant* develops Advanced R&D Projects for Real Applications:

The *Liophant Simulation* promotes international Cooperations and exchanges with Excellence Centers World-Wide:
i.e. NCS, KSC, VMASC, KPI



www.liophant.org





The International Activity of Liophant Simulation



References



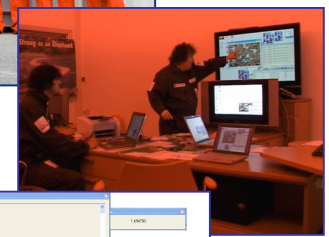
DIPTEM

DIPTTEM University of Genoa
 via Opera Pia 15
 16145 Genova, Italy
www.itim.unige.it
Agostino G. BRUZZONE
agostino@itim.unige.it



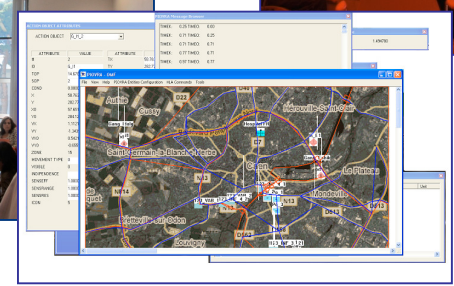
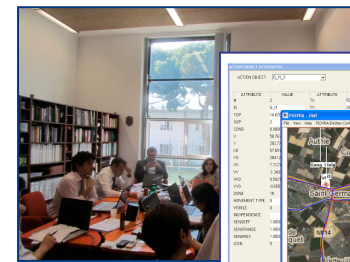
LSIS

LSIS
 Av Escadrille Normandie Niemen
 13397 Marseilles, France
www.lsis.org
Claudia FRYDMAN
claudia.frydman@lsis.org



MAST

MAST
 Simulation Lab, via Molinero 1
 17100 Savona, Italy
www.mastsrl.eu
Enrico BOCCA
enrico.bocca@simulationteam.com



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