

# Liophant Simulation

## Report 2015

[www.liophant.org](http://www.liophant.org)





# Liophant Simulation

URL [www.liophant.org](http://www.liophant.org)

Email [info@liophant.org](mailto:info@liophant.org)



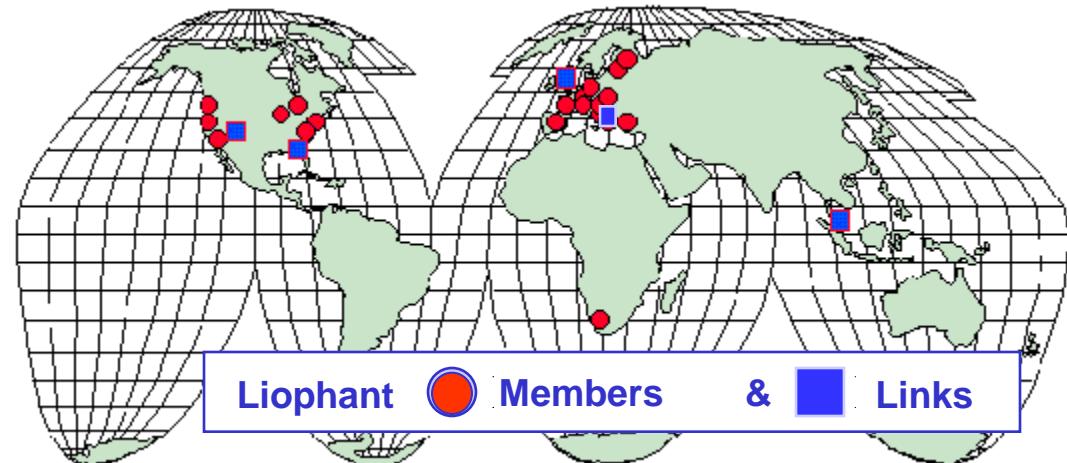
Liophant was established as Chapter of the Society for Computer Simulation International and is an observer member in Eurosime; Liophant Simulation has been reorganized in 2012 and it involves World-Wide Scientists and Technicians working in Companies and Academia.

The *Liophant* develops Advanced Projects for Real Industrial Applications as:

- ❖ CELEBES Simulating Power Plant Construction
- ❖ IPHITOS Simulating Space Guard System
- ❖ SPIRALS Simulation Moon Base Logistics
- ❖ Health Care & Human Behavior Modeling

*Liophant Simulation*  
promotes international  
Cooperations and  
exchanges with Excellence  
Centers World-Wide (i.e. NCS)

[www.liophant.org](http://www.liophant.org)

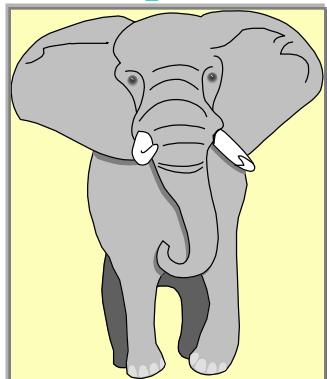




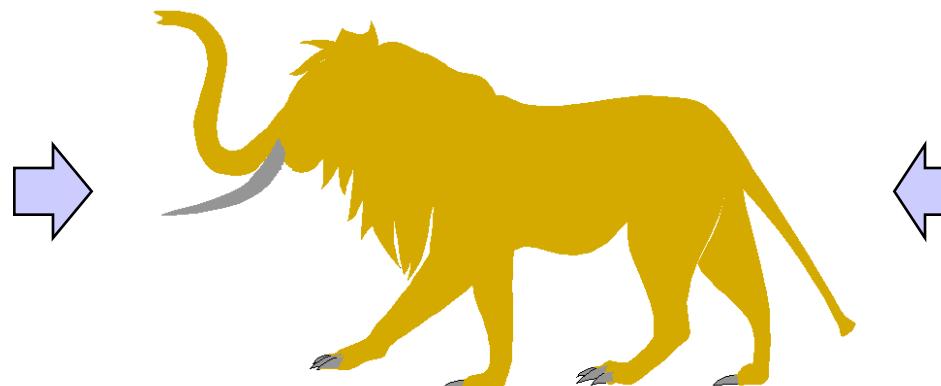
# What is a Liophant ?

- It is a combination of an Elephant and a Lion
- It is a Mythological Being
- He is Brave as a Lion and Strong as a Elephant

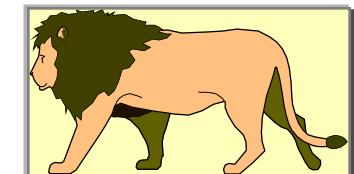
**Elephant**



**Liophant**



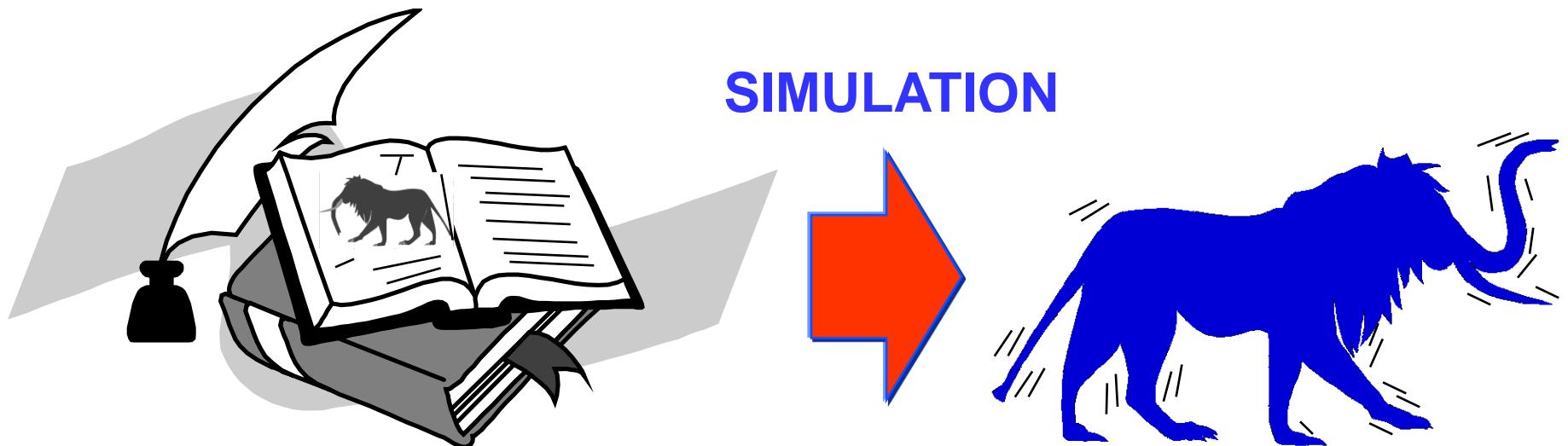
**Lion**





# Why Liophant?

- The *Liophant* is a Mythological Being that only Simulation could bring back to life.



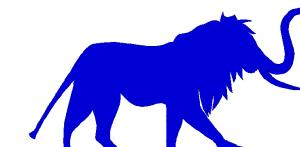


# Liophant Simulation

Attendance & Support to Conferences World-Wide



Social Events & Simulation Promotion



Courses in Modeling & Simulation, HLA, VV&A, PM



Meeting on Simulation Application & News



Dynamic Upgrades by using **Internet**, news letters, usergroups, journals, books

# **Liophant Keywords:**

**International Cooperation Programs**

**NASA & NCS**

**ENSO**

**McLeod Institute of Simulation Science**

**IEPAL EU/USA Transatlantic Program**

**Act as a Point of Contact between Academia and Real World**

**Support to University in Promotion Activity**

**Organization of Meetings & Workshops**

**Motivation of the Students**

**International Contacts & Exchanges**

**Independence of the Organization**

**Real Industrial Challenging Projects**

**Opportunities for Leadership and Team Working**

**Dynamical Relationship between Liophant and Young  
Members in Industry**



# HMS, MAS & WAMS Workshops

*The International Conference on Harbor, Maritime & Multimodal Logistics M&S*

*The International Conference on Modeling and Applied Simulation*

*The International Workshop on Applied Modelling & Simulation*

The HMS, MAS & WAMS Workshops are classical events after editions in Bordeaux, Athens, Buenos Aires, Rio de Janeiro, Riga, Buzios, Genova, Portofino, Barcelona, Marseille, Bergeggi, Tenerife, Buzios, Sankt Petersburg



# I3M: 7th Mediterranean Meeting

*International Mediterranean & Latin America Modeling Multiconference*



The I3M Multi conference is a consolidate International event devoted to promote M&S within Med & Latin Region

I3M 2010 is sponsored by	
	IMCS
	LIOPHANT SIMULATION
	MISS
	SIMULATION TEAM DIPTEM
	University of La Laguna
	MISS, Brasilian Center LAMCE, UFRJ
	Mechanical Department, University of Calabria
	Modeling & Simulation Center Laboratory of Enterprise Solutions
	Ecole Supérieure d'Ingénierie en Sciences Appliquées
	CIFASIS- CONICET-UNR-UPCAM



[European Modelling & Simulation Symposium](#)

New Simulation Project Workshop

[McLeod Institute of Simulation Science International Workshop](#)

[McLeod Modelling & Simulation Network Workshop](#)

[The International Workshop on Modelling & Applied Simulation](#)

[The International Workshop on Harbour, Maritime & Multimodal Logistics Modelling and Simulation - HMS](#)

[www.msc-les.org/conf/i3m2010/](http://www.msc-les.org/conf/i3m2010/)



# I3M: 8th Mediterranean Meeting

# **International Mediterranean & Latin America Modeling Multiconference**



The I3M Multi conference is a consolidate International event devoted to promote M&S within Med & Latin Region

	MISS Latvian Center Riga Technical University
	MISS Spanish Center UAB
	MISS, LSIS Marseille
	MIMOS
	MISS, Perugia Center University of Perugia
	MISS, Brasilian Center LAMCE, UFRJ
	MISS
	Modeling & Simulation Network
	Latvian Simulation Society



European Modeling & Simulation Symposium



The International  
Defense and  
Homeland Security  
Simulation  
Workshop - DHSS

The International  
Conference on Harbour,  
Maritime & Multimodal  
Logistics Modelling &  
Optimisation



# The International Conference on Modeling & Applied Simulation



**IMAACA'2011**  
The Fifth International  
Conference on Integrated  
Modeling and Analysis in  
Applied Control and Automation



*I3M was managed as Joint Event  
with NATO CAX Forum*

[www.msc-les.org/conf/i3m2011](http://www.msc-les.org/conf/i3m2011)

M&S Network  
Workshop



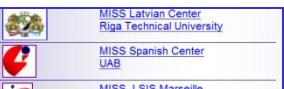
McLeod Institute of  
Simulation Science  
Workshop

# I3M: 9th Mediterranean Meeting

International Multidisciplinary Modelling & Simulation Multiconference



The I3M Multi conference is a consolidate International event devoted to promote M&S within Med & Latin Region



MISS Spanish Center UAB

MISS, LSIS Marseille

MIMOS

MISS, Perugia Center University of Perugia

MISS, Brazilian Center LAMCE, UFRJ

MISS

M&Net

Modeling & Simulation Network

Latvian Simulation Society

ESISA

Ecole Supérieure Sciences Appliquées

University of La Laguna

ULL

Universidad de La Laguna

CIFASIS CONICET-UNR-UPCAM

INSTICC



European Modeling & Simulation Symposium



Int.Defense & Homeland Security Simulation Workshop



The International Conference on Harbour, Maritime & Multimodal Logistics Modelling & Simulation

IMAACA  
Int.Conference on Integrated Modeling & Analysis in Applied Control & Automation

McLeod  
WORKSHOP

McLeod Institute of Simulation Science Workshop



M&S Network  
Workshop

[www.msc-les.org/Conf/i3m2012](http://www.msc-les.org/Conf/i3m2012)



# I3M: 10th Mediterranean Meeting

## *International Multidisciplinary Modelling & Simulation Multiconference*

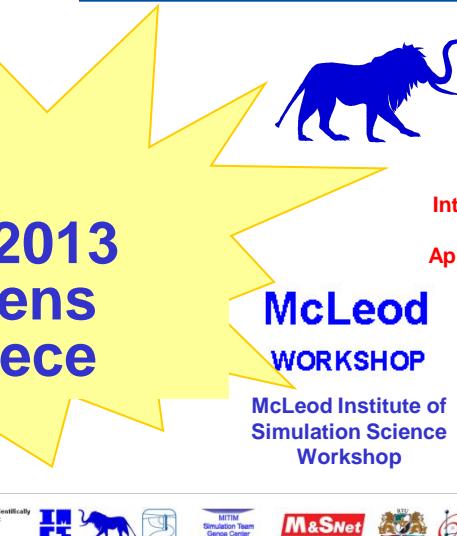
The I3M Multi conference is a consolidate International event devoted to promote M&S in Multidisciplinary Framework



[www.liophant.org/i3m](http://www.liophant.org/i3m)



I3M 2013  
Athens  
Greece



McLeod  
WORKSHOP

McLeod Institute of  
Simulation Science  
Workshop



M&S Network  
Workshop



EMSS  
2013

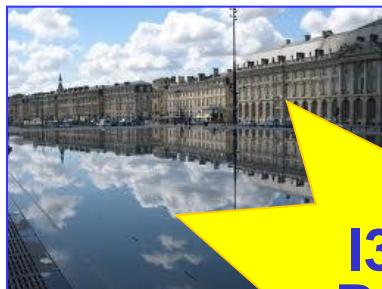
# I3M: 11th Mediterranean Meeting

## *International Multidisciplinary Modelling & Simulation Multiconference*

The I3M Multi conference is a consolidate International event devoted to promote M&S in Multidisciplinary Framework



[www.liophant.org/i3m](http://www.liophant.org/i3m)



I3M 2014  
Bordeaux  
France



M&S Network  
Workshop

McLeod  
WORKSHOP

McLeod Institute of  
Simulation Science  
Workshop



EMSS  
2014

# I3M: 12th Mediterranean Meeting

## International Multidisciplinary Modelling & Simulation Multiconference



I3M 2015  
Bergeggi  
Italy

The I3M Multi conference is a consolidate International event devoted to promote M&S in Multidisciplinary Framework

H M S  
2015

F  
FoodOPS

M A S  
2015

I M

D H S S  
2015



W I S H  
2015

The International Workshop on Innovative Simulation for Health Care

[www.liophant.org/i3m/](http://www.liophant.org/i3m/)

SE S D E

I3M Organizers and Sponsors

I3M 2012 Scientifically sponsored by:

IMAACA

EMSS  
2015

# I3M: XIII Mediterranean Meeting

## International Multidisciplinary Modelling & Simulation Multiconference



I3M 2016  
Cyprus

The I3M Multi conference is a  
consolidate International event  
devoted to promote M&S in  
Multidisciplinary Framework



[www.liophant.org/i3m/](http://www.liophant.org/i3m/)

McLeod  
WORKSHOP

McLeod Institute of  
Simulation Science  
Workshop

M&SNet

M&S Network  
Workshop



I3M Organizers and Sponsors



EMSS  
2016

# New Conferences where Liophant Members are Actively Involved



## I3M2016, Cyprus, September, 2016 - [www.liophant.org/i3m](http://www.liophant.org/i3m)

The XIII International Multidisciplinary Modelling & Simulation Multiconference

(Co-Located Events: I3M2016/EMSS2016/HMS2016/MAS2016/IMAACA2016/IWHISH2016/SESDE2016/FoodOPS)  
(Possibility to attend also to CAX Forum by special arrangements, please check with [longo@simulationteam.com](mailto:longo@simulationteam.com))

## EMSS2016, Cyprus, September, 2016 - [www.liophant.org/i3m/emss2016](http://www.liophant.org/i3m/emss2016)

28th European Simulation Symposium and Exhibition - Simulation in Industry

(Co-Located Events: I3M2016/EMSS2016/HMS2016/MAS2016/IMAACA2016/IWHISH2016/SESDE2016/FoodOPS)  
(Possibility to attend also to CAX Forum by special arrangements, please check with [longo@simulationteam.com](mailto:longo@simulationteam.com))

## HMS2016, Cyprus, September, 2016 - [www.liophant.org/hms](http://www.liophant.org/hms)

The 18th International Conference on Harbour, Maritime & Multimodal Logistics Modelling and Simulation

(Co-Located Events: I3M2016/EMSS2016/HMS2016/MAS2016/IMAACA2016/IWHISH2016/SESDE2016/FoodOPS)  
(Possibility to attend also to CAX Forum by special arrangements, please check with [longo@simulationteam.com](mailto:longo@simulationteam.com))

## MAS2016, Cyprus, September, 2016 - [www.liophant.org/mas](http://www.liophant.org/mas)

The 15th International Conference in Modeling & Applied Simulation

(Co-Located Events: I3M2016/EMSS2016/HMS2016/MAS2016/IMAACA2016/IWHISH2016/SESDE2016/FoodOPS)



## IMAACA2016, Cyprus, September, 2016 - [www.liophant.org/conferences/2016/imaaca](http://www.liophant.org/conferences/2016/imaaca)

9th International Conference on Integrated Modeling and Analysis in Applied Control and Automation



## DHSS2016, Cyprus, September, 2016 - [www.liophant.org/conferences/2016/dhss](http://www.liophant.org/conferences/2016/dhss)

the 5th International Defense and Homeland Security Simulation Workshop



## IWHISH2016, Cyprus, September, 2016 - [www.liophant.org/conferences/2016/iwish](http://www.liophant.org/conferences/2016/iwish)

The 4th International Workshop on Innovative Simulation for Health Care



## SESDE2016, Cyprus, September, 2016 - [www.liophant.org/conferences/2016/sesde](http://www.liophant.org/conferences/2016/sesde)

The International Workshop on Simulation for Energy, Sustainable Development & Environment

(Co-Located Events: I3M2016/EMSS2016/HMS2016/MAS2016/IMAACA2016/IWHISH2016/SESDE2016/FoodOPS)



## FoodOPS2016, Cyprus, September, 2016 - [www.liophant.org/conferences/2016/foodops](http://www.liophant.org/conferences/2016/foodops)

The International Food Operations & Processing Simulation Workshop focuses on M&S applied to Food Industry



## SIMULTECH 2016

6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications



## WAMS2016, November 2016 - [www.liophant.org/conferences/2016/wams](http://www.liophant.org/conferences/2016/wams)

The International Workshop on Applied Modeling & Simulation



## CAX Forum2016, September 2016

The CAX Forum is organized by M&S Center of Excellence

(Possible Synergy with: [The International Multidisciplinary Modelling & Simulation Multiconference](#) and [WAMS](#))

## 2016 Spring Simulation Multi-Conference (SpringSim'16)

April 3 - 6, 2016 | The Westin Pasadena | Pasadena, CA, USA

## 2016 Summer Simulation Multi-Conference (SummerSim'16)

July 24-27, 2016 | Palais des congrès de Montréal (Montréal Convention Center) | Montréal, Québec, Canada

'Scalability, Interoperability and Interdisciplinarity in the Simulation Art'

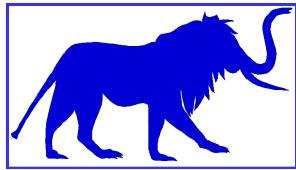
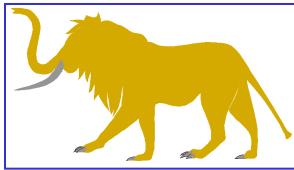


THE SOCIETY FOR  
MODELING & SIMULATION  
INTERNATIONAL™

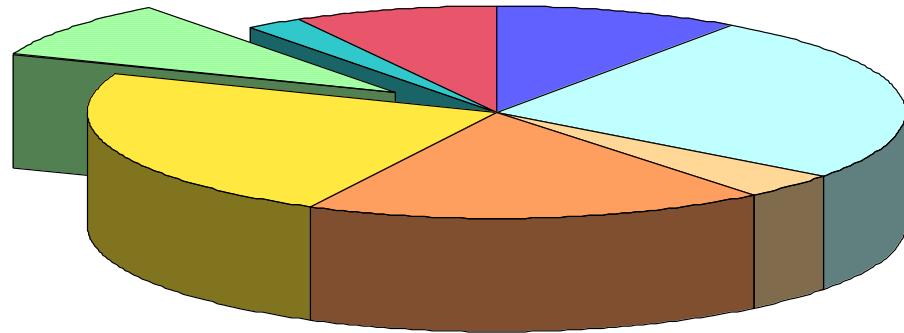
# Liophant Figures

## Services & Associations of the Members:

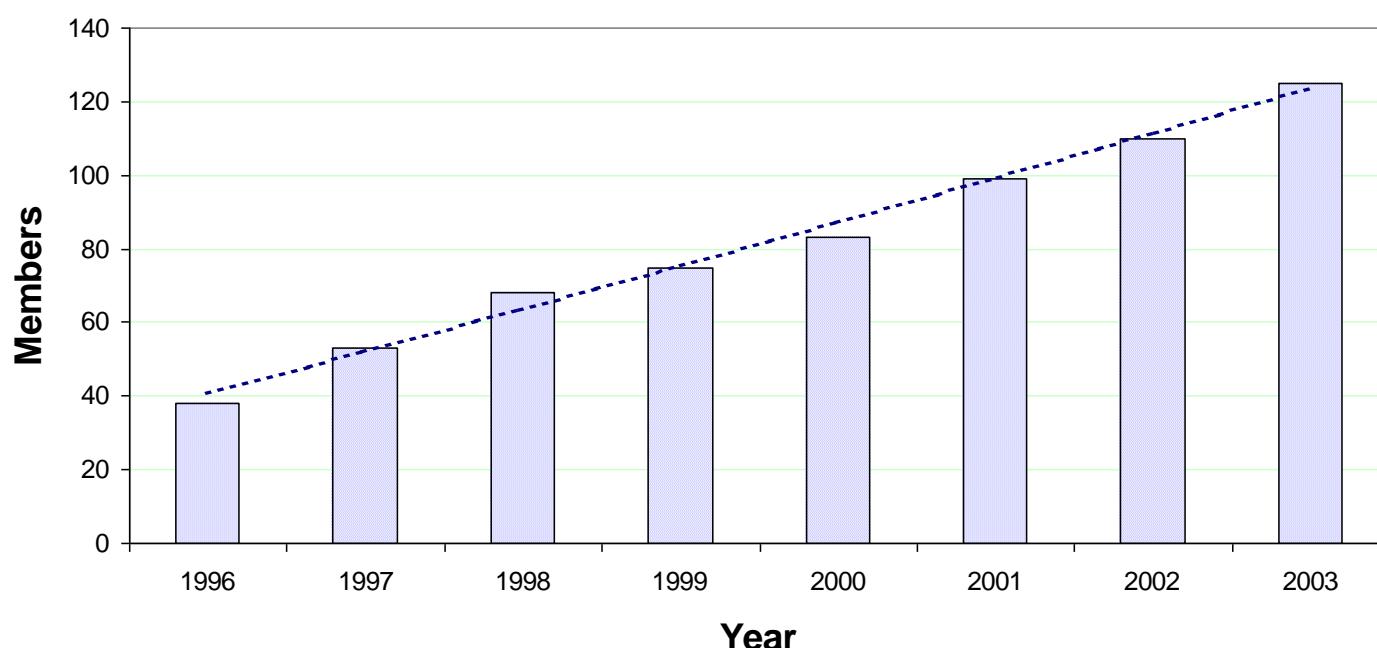
Italian Army, Guardia di Finanza, MISS,  
NCS, Fraunhofer IFF



Member Activities 2003



Liophant Members



Example of  
Member  
Affiliations:  
PMCorp  
Exxon  
NASA,  
COOP  
Guildemeister  
& SMEs

# The International Activity of Liophant

## 1996

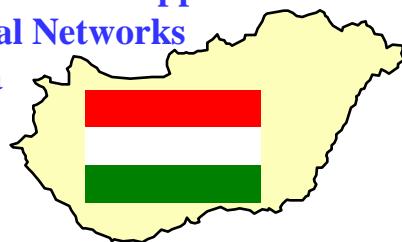
ICAMES96, Istanbul, May

*Best Project Award for Prosim(1st), V.M.B.,  
Wolf, Moretti, Tremori,*



ESM96, Budapest, June  
**Environment Applications of  
Neural Networks**

Motta



MIC96, Innsbruck, February  
**Modelling & Simulation**  
M.B.



*Student Activity*



*Student Activity*



ESS96, Genoa October,  
**Simulation in Industry  
Organization**  
Full Staff

1st National Conf. On  
Maritime Safety,  
Genoa September,  
*Organization*  
Full Staff



ANIMP96, Venice, October  
**Computer Graphics for Production**  
*Best Project Award*  
M.Mosca, S.Genta

AILOG96, Milan, May  
**Warehouse Simulation**  
*Best Project Award (1st)*  
Bertolini & Tremori



# The International Activity of Liophant

ICAMES97, Istanbul, May

*Award for Prisoner's Dilemma Algorithm (1st)*

*Award for VAED (3rd),*

*Gabriele Cotta & Roberto Revetria*



ESM97, Istanbul, June

**Environment Applications of  
Neural Networks**

Motta



Riga 97, October

**Web Based Simulation  
of Harbour Services**

Alessio Carbone



ITEC97, Lausanne, June

**Safety First: Virtual Harbour**

Gabriele Cotta & Mauro Cerruto



*Student Activity*



*Student Activity*

**1997**

ANIMP97, Sorrento, October

**Virtual Aided Engineering & Design**

*Best Project Award*

Gabriele Cotta & Cerruto



EUROMEDIA, London  
**Web Based Applications**  
Lorenzo Motta



Magdeburg 97, October

**WOLVES**

**Warehouse Org.  
& Logistics  
Simulation**

Bertolini  
Carbone  
Revetria



Orlando 97, September

**NCS Cooperations, Remote Education Project**

Alberto Tremori

ESS97, Passau, October

**Pollution Control**

Lorenzo Motta

# The International Activity of Liophant

ICAMES98, Istanbul, May

*POSEIDON*

*A.Carbone, M.Lagostena, G.Tani*



Summer Simulation

Reno 98, July

**TQM**

Filippo Paradiso



**Riga 98, Workshop on Modeling**

**within a Maritime Environment**

**Web Based Harbour Simulation**

A.Carbone, A. Devoti, A.Tremori



ITEC98, Lausanne, June

Alessio Carbone, Roberto Revetria

*Student Activity*

*Student Activity*

**1998**

Ports98, Genoa, September

**Multedo Terminal Simulation**

Alessio Carbone



Meeting LSC, NASA

Genoa, April



ANIMP98, Bologna, October

**Automotive Assemblying Simulation**

Filippo Paradiso



NEURAP98, Marseille, March

**Intelligent Acquisition System**

*Best Paper Award*

R.Revetria, L.Motta



# The International Activity of Liophant

ICAMES99, Istanbul, May

MESA, WORM

S.Rapallo, C.Scuteri, G.Vano, F.Vio

2nd & 3rd Best Projects Award



Student Activity

1999

Workshop HMS99  
Genoa - September



Simulation Languages, Jul-Aug  
**University of Calgary**  
M.Mosca F.Tonelli



**WMC99, San Francisco**  
Neural Networks - February  
L.Motta



**Winter Simulation Conf.**  
Phoenix, December  
Roberto Revetria



Tallahassee, Nov-Dec  
M.Mosca, F.Tonelli



Detroit, Jul-Aug / Nov-Dec  
**Ford Motor Co.**  
F.Vio, R.Revetria



Boston, Apr-Jul-Aug  
**Boston College**  
Francesca Vio



Washington, April  
**Pentagon**  
S.Rapallo



Orlando May / Nov-Dec  
**NCS & Nasa**  
S.Rapallo, A.Carbone



New Mexico City, Nov.  
Luca Patrone



**ANIMP99, Ischia** Oct.  
S.Rapallo  
Best Thesis Award



**MIC99/AI99, Innsbruck, Feb**  
Automation & Simulation  
M.B.,C.B.,E.B.



**NATO / Atlas**  
Bremen - Aug  
VV&A  
M.B.



**ITEC99**  
**The Hague April**  
Project Management  
A.Carbone,R.Revetria



Baraquilla, Dec.  
Luca Patrone



# The International Activity of Liophant

ICAMES2000, Istanbul, May

PUMA & GILA

Simeoni, Fracchia, PozziC.,

Mantero, Vigano', Diglio

1st Best Projects Award



Student Activity

2000

Workshop HMS2000  
Portofino Oct.



Simulation Languages, Jul  
CSUC  
PozziCotto

Montreal, July  
CAE Electronics  
S.Simeoni



Montreal, August  
Lockheed  
Simeone Simeoni



OTU  
Ostrava, Oct-Dec  
Kindler (Patrone, Unali)



WMC2000  
San Diego, December  
L.Motta



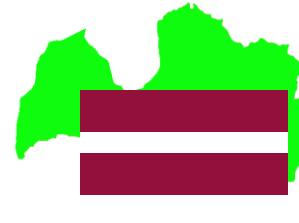
Orlando May / Nov-Dec  
NCS & Nasa  
Enrica Fracchia

MIC00/AI00, Innsbruck, Feb  
Automation & Simulation, M.B



ITEC00  
The Hague April  
Simulation for Education  
R.Revetria

RTU, Baltic CT  
Riga, Oct-Dec  
Diglio & Mantero



Hamburg  
ESS2000  
October  
Pozzicotto

Liophant Simulation

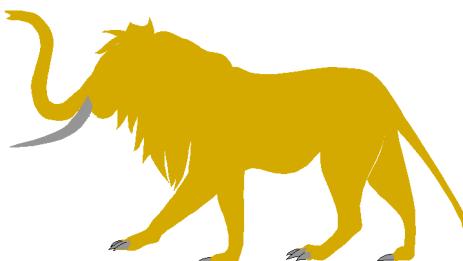


# The International Activity of Liophant

ICAMES2001, Istanbul, May

DICOSAP & Neptune

C.Burlando M.Genovese, L.Rombi  
2nd & 3rd Best Projects Award



CUM  
Praha, June  
Kindler (Patrone, Unali)



ITEC2001  
Lille April  
G.Diglio',  
G.Vigano'



HMS2001  
Marseille, October  
Burlando, Diglio, Genovese,  
Queirolo, Vigano'



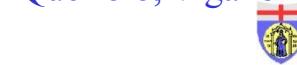
Fordo Motor Co., April  
Detroit



Simeone Simeoni  
Boston College  
IEPAL Program



NCS & Nasa  
IEPAL Program



Student Activity

2001

Siren Course M&S  
Bergeggi Oct.



ANIMP01  
Spoleto Oct.  
S.Simeoni

Siren Course  
HLA  
Rome June



MIC01/AI01, Innsbruck, Feb  
Automation & Simulation

Alessandro Scopinich & Riccardo Danio



Fraunhofer IFF  
Magdeburg  
November  
Pozzi Cotto

Liophant Simulation

# The International Activity of Liophant

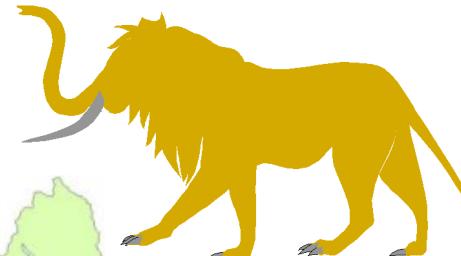
**ICAMES2002, Istanbul, May**  



# CHARME & ROSES

*S.Simeoni, S.Viazzo, O. Serindat, F.Bertone*

## *Best Projects Award*



# *Professional & Student Activity* 2002

**Workshop HMS2002/MAS2002**  
**Bergeggi, Oct.**



**IEPAL Genoa/Venice**  
E.B., E.M. Mantero, F.  
Oliva, S. Viazzo

CFI

Consortio Formazione Logistica Intermodale



MIC00/AI00, Innsbruck, Feb

# Automation &

B E B R R S

Viazzo, O.Serindat



Rio De Janeiro, UFRJ

December  
Simeoni,  
Bruzzone



RTU, LIS  
Riga, June  
R.Revetria



Dresden  
A.Orsoni  
S.Pozzi Cotto

## Liophant Simulation



# The International Activity of Liophant

ICAMES2003, Istanbul, May

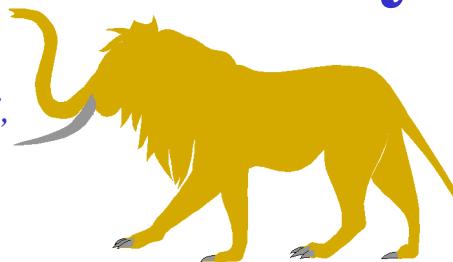


DIROMATIC, NERONE

F.Figini, M.Sanguinetti, G.Boero, C.Caballini,

V.Barcucci, S.De Michelis

3rd Best Projects Award



SportFest 2003, June

Liophant Football  
Team 3rd Position



SCS, ICT & Univ  
Southern California



November

Danila Carini



Universidad  
Panamericana

Danila Carini December  
Mexico City



UFRJ

Rio De Janeiro

October-November

F.Figini



Student Activity  
PhD, Master, BS

2003

Workshop MAS2003  
Bergeggi, Oct.



IEPAL/IEEE

Genoa/Novara

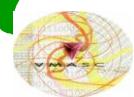


CFLI

Consorzio Formazione Logistica Intermodale

E.Mantero, D.Carini

Over 26 students from USA,  
Germany, France, Turkey & Italy



SCSC2003  
Student Workshop  
Montreal July

Over 10 students from USA, Canada

Boston College &  
Stevens Institute

March-April

V.Bortoletto, G.Boero,

M.Sanguinetti,C.Caballini

Over 10 students from Germany, France & Italy

Orlando March-April

NCS & UCF - IEPAL

V.Bortoletto, G.Boero,

M.Sanguinetti,C.Caballini

Over 10 students from Germany, France & Italy

Workshop VMASC,

Liophant MISS

Genoa, September

F.Figini, D.Carini

DS-RT2003, ESS2003

Delft, October

P.Bломюс, ,

S.van Houten



MIC03, Innsbruck, Feb

Agent Driven Simulation, E.B.

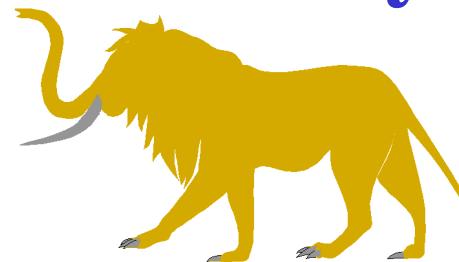
# The International Activity of Liophant

ICAMES2004, Istanbul, May



COMADREJA & SILLA2

F.Longo, D.Carini, A.Ganapini, M.Meistro,  
S.Poggi -1st Runner Award



SimServ, Copenhagen  
September, M.Massei



Istituto Nacional de Atrofisica Optica Y Electronica  
Universidad Popular Autonoma de Estado de Puebla  
Universidad Popular Autonoma de Mexico  
Istituto de Investigaciones Eletricas  
Universidad Panamericana  
November-December  
S.Simeoni



HMS2004 LAMCE  
Rio De Janeiro  
September  
A.Nogueira, S.Viazzo,  
M.Massei



Exchange Activity  
PhD, Master, BS

2004

Workshop I3M2004/MAS2004  
Bergeggi, Oct.



ST Genoa/Venice

S. Saavedra, R.Gallan,  
J.Zumaglini, C.Bussi,  
B.Jamel

Boston College  
Boston , July-August  
R.Moccia

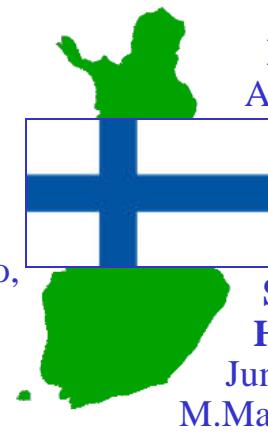
VMASC, May  
R.R.

University of  
Maryland  
November  
G.Prioreschi



MBA, London  
Business School, G.Oran

ITEC2004, London  
May, F.Longo



SimServ  
Helsinki  
June  
M.Massei

# The International Activity of Liophant

ICAMES2005, Istanbul, May



MACACO

S.Poggi, K.Scarso, M.Massei



Exchange Activity  
PhD, Master, BS

2005

Workshop MAS2005  
Bergeggi, Oct.



Universidad Panamericana  
Mexico City

November

L.Bucchianica, A DiCostanzao, S. Rosa



IASTED  
Cancun  
May  
F.Longo



SCSC2005  
Philadelphia  
July, E. Bocca, E.B.  
M.Massei, A.Bruzzone

NATO-ARW  
Tallin  
A.Bruzzone

KSC  
Orlando  
August  
E.Bocca



Dormouth College  
July  
A.Salmoiraghi



ECMS  
Riga  
A.Bruzzone

L.Bucchianica, A DiCostanzao, S. Rosa

I/ITSEC  
Orlando  
December

ITEC2005,  
Amsterdam  
May,  
E.Bocca



# The International Activity of Liophant

ICAMES2006, Istanbul, May

MACACO, PHROSIM



F.Longo, S.Poggi, L.Bucchianica,

G.Desensi,

C.Oderigo,

F.Tralongo



AMS2006, Buzios  
March F.Longo



RESET/INNOVARE,  
Rio, June-August  
F.Tralongo



EMSS2006  
Boon  
June S.Poggi



I3M2006  
HMS2006  
EMSS2006  
Barcelona  
October, E.B., S.Poggi



I3M2005  
HMS2005  
EMSS2005  
Marseille  
October  
C.Oderigo, E.B.

Exchange Activity  
PhD, Master, BS

2006

Workshop MAS2006

Bergeggi, Oct



Science Festival  
Genoa, Oct.  
D.M., L.Pierfederici



Virtuality2006  
Turin, Nov, L.Pierfederici  
D.M.



Rutgers University,  
Julyl-August  
F.Longo



SpringSim  
SIW2006  
Huntsville  
March, K. Scarso

Liophant Simulation

# The International Activity of Liophant

ICAMES2007, Istanbul, May

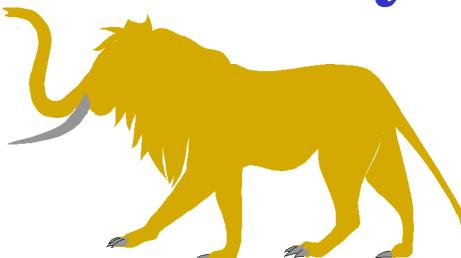


MACACO, PHROSIM

F.Longo, S.Poggi, D.Maritano

L.Pierfederici,

D.M.



Exchange Activity

PhD, Master, BS

2007

Workshop I3M2007, MAS2007,  
HMS2007, EMSS2007

Bergeggi, Oct



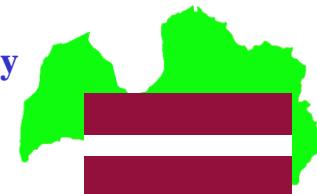
EUROSIW2007

S.Margherita, June

Science Festival

Genoa, Oct.

M.Genova, D.Grippaldi



ITEC2007

Cologne

April, E.B., L.  
Pierfederici  
D.M.



M.Mazzarese

Dartmouth College  
Julyl-August



D.M., L.Pierfederici  
Rutgers University  
Julyl-August

PIOVRA  
Rome, February.  
M.Seck



Port Security

Riga

D.Grippaldi,  
M.Genova



PIOVRA  
Paris, November  
L.Baati

PIOVRA  
Marseille, June  
L.Baati, D.M.,  
L.Pierfederici

JTLS  
Monterey  
October  
D.M.,  
SCSC2007  
San Diego  
July

S.Saetta  
University of Arizona  
Julyl-August

I/ITSEC  
Orlando  
L.Pierfederici



IMSM  
Buenos Aires  
February



# The International Activity of Liophant

ICAMES2008, Istanbul, May



MACACO, PHROSIM

F.Longo, A.Cimino, D.Curcio

E.Pinto



Exchange Activity

PhD, Master, BS

2008



SIREN, Beregeggi, June

Adeline Queau

Workshop

SERIX GAME

Rome, Oct.

F.Tarone



ITEC2008

Stockholm

June

A.Tremori



SCSC2008

Edinburgh

June

A.Cimino



LSCM

Magdeburg

March

L.Pierfederici

L.Pierfederici



PIOVRA

Marseille, June

L.Baati

LSCM Leuben, Ottobre

L.Pierfederici



IITSEC

Orlando



December

A.Tremori



S.Saetta

University of Arizona

September-January



C.Frydman

Buenos Aires

February



Liophant Simulation



# The International Activity of Liophant

ICAMES2009, Istanbul, May



MACACO, PHROSIM

F.Longo, C.Rubino, S.Rondinelli, C.Metita

Summersim

EUROSIW2009

Istanbul, July



Exchange Activity

PhD, Master, BS

2009

B.Brivot

DIPTEM, Genoa, Sept-Jan



ITEC  
Bruxelles, May  
F.Tarone



A.Atzei, C.Ferrini,  
C.Ravera, G.Gazzale  
Genoa Port Center, Dec-March

I3M2009  
Tenerife, Sept  
A.Cimino,  
D.Curcio



DLM  
Solutions  
Barcelona  
January-May  
L.Dagnino

MISS Spain  
Nov-Feb  
M.Lucardi



Lexis  
Clermont-Ferrant  
Paris, November  
B.Brivot

JTLS User  
Monterey  
November  
A.Tremori

NPS  
Monterey  
November



I/ITSEC  
Orlando  
A.Cimino  
F.Tarone, R.Ambra



ST\_PT  
Singapore  
May R.Cianci



AMS, Bali, May R.Cianci

Liophant Simulation



# The International Activity of Liophant

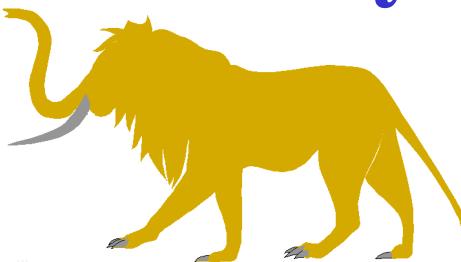
SummerSim  
2010  
Ottawa, July



Clermont-Ferrant  
Paris, August  
A.Claudel

NASA  
Orlando, May  
A.Cimino

NASA  
Orlando, April  
F.Madeo  
F.Tarone



ESISA  
Fes, June  
M.Massei



Exchange Activity  
PhD, Master, BS

2010



EDA, Capricorn  
July  
F.Madeo

LAMCE\_COPPE  
July  
L.Cotella

ICAMES2010, Istanbul,  
May



F.Longo, F.Madeo

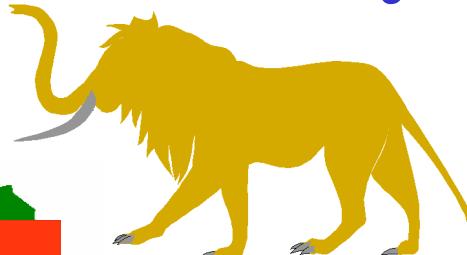


VMASC  
Norfolk  
April  
F.Madeo  
F.Tarone



# The International Activity of Liophant

SummerSim  
2011  
The Hague,  
June  
A.Tremori



Exchange Activity  
PhD, Master, BS

2011

ITEC  
Cologne, May  
A.Tremori



NATO  
Lisboa, May  
A.Tremori



SAS 085  
June  
F.Madeo



EDA, Capricorn  
May  
F.Madeo



Marlon  
April  
G.Gazzale



PMC  
Detroit  
October  
G.Gazzale



ICAMES2011, Istanbul,  
May  
D.Ferraris



ST\_PT  
Singapore  
May  
M.Massei, L. Bucchianica



SISO  
Smackdown  
SpringSim  
Boston, April  
F.Tarone

EBR  
Vienna VA,  
February  
D.Maino



# The International Activity of Liophant



Exchange Activity  
PhD, Master, BS

2012



ITEC  
London, May  
G.Franzinetti

NATO ARRC  
November  
F.Madeo



Univ.of Stavanger  
May  
A.Tremori

BUAA, Beijing  
Fall, Madeo, Tarone



IMS Bordeaux  
University  
December  
J.Xin



York University  
Sept.Oct  
A.Canneti, F.Livi



NPS, CA  
June  
F.Madeo



I/ITSEC  
Orlando, December  
Dallorto, Ferrando



Ford Motor Co.  
Detroit  
March  
M.Pucciano

Dartmouth  
College, NH, May

Harvard Medical  
School, MA, April

F.Madeo



NASA  
Smackdown  
SpringSim  
Orlando, April  
F.Tarone



Turkish Naval Academy,  
June, A.Ceylan



EDA, Capricorn  
May  
F.Madeo

NATO Courses  
Nicoletti, Ferrando



NATO CAX Forum  
Rome, September  
G.Franzinetti



I3M2012  
Wien, September  
Madeo, Nicoletti



ICAMES2012, Istanbul, May  
L.Dato, M. Pucciano



# The International Activity of Liophant

## 2013



# The International Activity of Liophant

2014



Crisis Response  
Disaster COE,  
Sofia, M.Biagini

Risk Analysis and  
Simulation  
Abu Dhabi, February  
P.Bortolotto

Counter  
Terror Expo  
London  
July  
G.Franzinetti

Summersim, Monterey  
July; C.Bartolucci

ITEC  
Cologne, May  
M.Biagini

I/ITSEC  
Orlando, November  
L.Nicoletti, F.Spadafora



Exchange Activity  
PhD, Master, BS



Simulation Team Lab  
P.Motroni, A.Vueling



Sim&Sea  
June, M.Corso,  
September L.Dato, M.Agresta,  
I.Piccini, E.Picco,  
C.Bartolucci,  
D.Pereira



NMSG VV&A, Rome  
October; M.Corso, G.Murino  
NATO Simulation Course  
November, E.Picco

SIMCJOH, Rome, May  
G.Pogio, E.Picco



IMS Bordeaux  
University  
December  
Pereira  
Corso  
Agresta  
Bartolucci  
Nicoletti  
Picco



Sprinsim & NASA SEE  
Tampa, April  
A.Ferrando, L.Dato,  
F.Spadafora



WAMS &  
CAX Forum  
Istanbul, Sept  
Bartolucci



Beihang University  
Beijing, Jun-Aug  
Scalzo, Martini



ICAMES Istanbul, May  
M.Agresta, A.Bartolucci,  
A.Ferrando, S.Vena



# The International Activity of Liophant

2015



Exchange Activity  
PhD, Master, BS  
I3M, Bergeggi, Sept.  
Di Matteo, Maglione,  
Franzinetti, Mmurino



STO CMRE, SP  
July-December  
Di Matteo, Carrera, Piccinini  
SIMCJOH Rome, June  
Di Matteo, Maglione,  
Poggio, Bertolucci



NATO VV&A, Rome  
November, Maglione

CWIX JFTC  
Bydgoszcz, May  
Oddone

SCSC, Chicago  
July, Di Matteo

Beihang University, Beijing  
Padovano



NMSG, Munich,  
October  
Oddone



Rutgers Univ.  
Padovano

ICAMES, Istanbul, May  
Di Matteo, Maglione, Molinari, Vetrano

Loxistica  
Singapore  
January-December  
L. Buccianica

I/ITSEC  
Orlando, December  
Di Matteo, Maglione, Been



# Liophant and Eurosim



## EUROSIM

FEDERATION OF EUROPEAN SIMULATION SOCIETIES

EUROSIM

EUROSIM News

Member Societies

ASIM

CROSSIM

CSSS

DBSS

FRANCOSIM

HSS

ISCS

PSCS

SIMS

SLOSIM

UKSIM

CEA SMSG

LSS

ROMSIM

NSS

LIOPHANT

Publications

EUROSIM

Congress

EUROSIM

Conferences /

Events

EUROSIM Calendar

ADMIN

EUROSIM Links

Home

### EUROSIM Member Societies

EUROSIM member societies may be regional and/or national simulation societies. At present EUROSIM has 13 full members and 1 observer member.

#### Full member societies:

- [ASIM](#) – Arbeitsgemeinschaft Simulation (Austria, Germany, Switzerland)
- [CROSSIM](#) – Croatian Society for Simulation Modelling
- [CSSS](#) – Czech and Slovak Simulation Society
- [DBSS](#) – Dutch Benelux Simulation Society (Belgium, The Netherlands)
- [FRANCOSIM](#) – Société Francophone de Simulation (Belgium, France)
- [HSS](#) – Hungarian Simulation Society
- [ISCS](#) – Italian Society for Computer Simulation
- [PSCS](#) – Polish Society for Computer Simulation
- [SIMS](#) – Simulation Society of Scandinavia (Denmark, Finland, Norway, Sweden)
- [SLOSIM](#) – Slovenian Society for Simulation and Modelling
- [UKSIM](#) – United Kingdom Simulation Society (UK, Ireland)
- [CEA SMSG](#) Spanish Modelling and Simulation Group
- [LSS](#) - Latvian Society for Simulation

#### Observer member societies:

- [ROMSIM](#) - Romanian Society for Modelling and Simulation
- [NSS](#) - National Simulation Society (Russia)
- [LIOPHANT SIMULATION](#) - international modelling and simulation group (Italy)



Liophant Simulation listed as  
Observer Member Society in  
Eurosim applying to become  
Full Member



# Liophant Free Pictures

[LinkedIn](#)

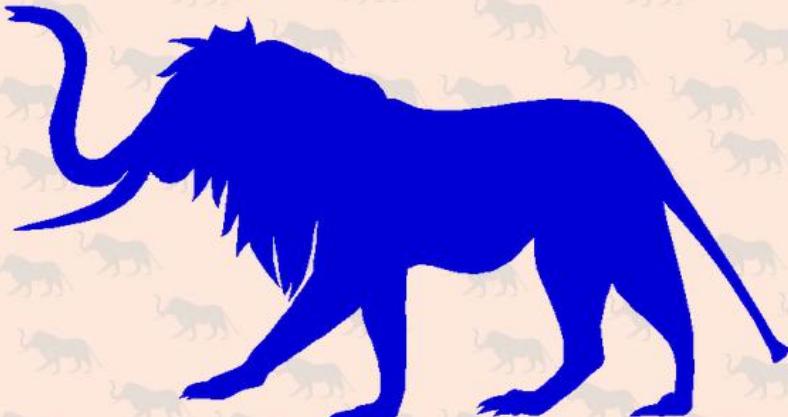
Liophant Simulation

www.liophant.org

Applicazioni classico crystal mcgi Codice disciplinare e n...

News R&D Projects Conferences Members Simulation Team ST MITIM DIPTEM Genoa Eurosim SCS Pictures LinkedIn Twitter Facebook

## Liophant Simulation



The Liophant is a Mythological Being that only Simulation can bring back to Life !

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Liophant is a non-profit association born in order to be a trait-d'union among simulation developers and users; Liophant is devoted to promote and diffuse the simulation techniques and methodologies; the Association promotes exchange of students, sabbatical years, organization of International Conferences, organization of courses and stages in companies to apply the simulation to real problems.

- Activities
- Conferences
- Members
- Registration
- Miscellanies NEW
- Report NEW
- Library NEW
- Liophant Code of Ethics NEW

Liophant was established as Chapter of the Society for Computer Simulation International and is an observer member in Eurosim

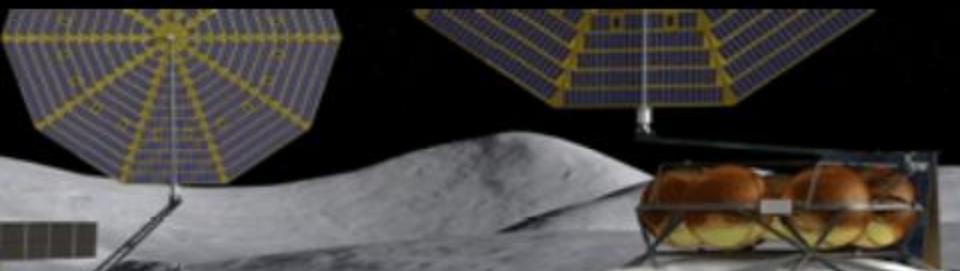


# Simulation Exploratory Experience

## Modeling and Simulation Outreach

(formerly Smackdown)

[www.liophant.org/conferences/2015/see](http://www.liophant.org/conferences/2015/see)



SEE2014 - Simulation Exploration Experience  
Formerly known as Smackdown

Sponsors

Academia & Research Centers

Other Entities

Smackdown Pictures & Info

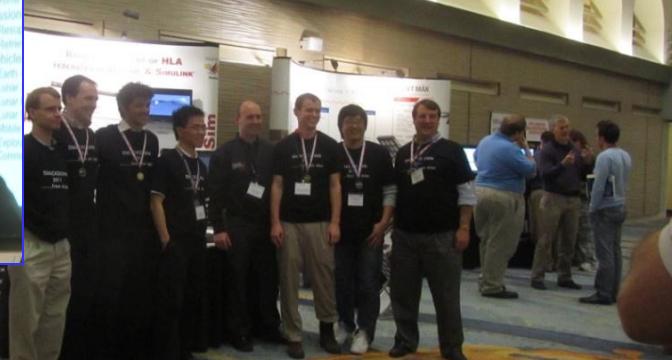
Previous Edition SmackDown in 2013

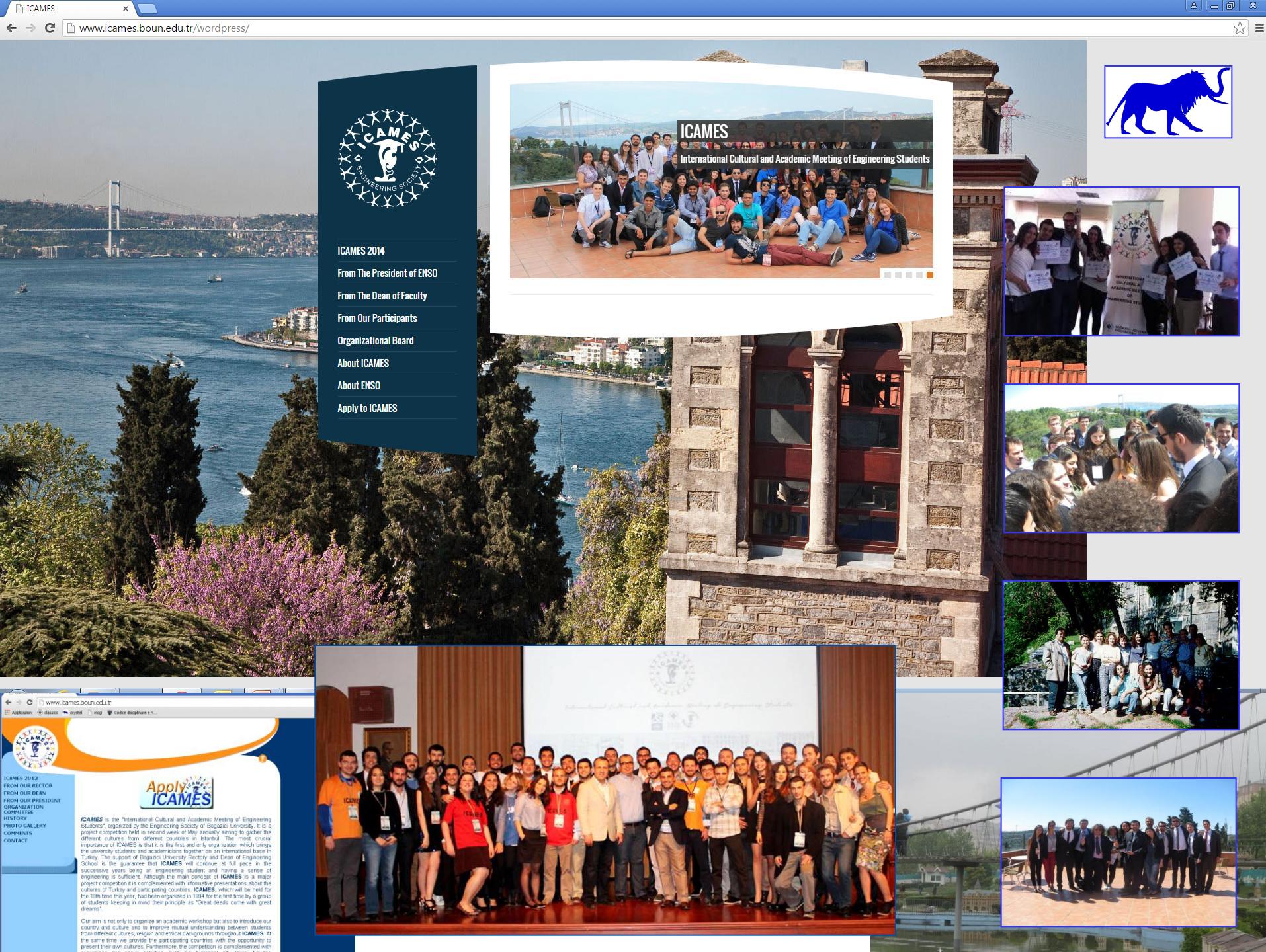
- SEE2014, Tampa, April 2014
- ITSC 2013, Rome, Italy - May 22-23, 2013
- Summersim, Toronto, Canada - July 7-10, 2013
- ISM, Athens, Greece - September 25-27, 2013
- WAMS, Buenos Aires, Argentina - November 24-27, 2013
- Smackdown, Orlando, April 2012
- Smackdown, Boston, April 2011
- Smackdown, Boston, April 2010

Scenario

Lunar base supply mission

- Location
  - Rima Hadley (Near Apollo 15 Site)
- Mission Objective
  - Resupply the lunar base with earth cargo
  - Retrieve He-3 from Mobile ISRU Plant (MIP)
- Vehicles:
  - Earth - Moon Transfer Vehicle
  - Lunar Shuttle
  - Lunar Rover
  - Lunar Surface Supply Depot
  - Mobile ISRU Plant
  - Exploratory Hopper
  - Communications Satellite





# Liophant Simulation Libraries



ID	Title	Editor	Keywords
1	Systems Magazine Future Generation Computer	IEEE Aerospace & Electronic	Data Processing
2	Systems	North-Holland	IT Industrial
3	Automazione	Jackson	Engineering Industrial
4	Rivista di Meccanica Oggi	Jackson	Engineering
5	Simulation News Europe	Eurosim	Simulation
6	Jane's Defence Weekly	Jane's	Military Industrial
7	Impiantistica Italiana	ANIMP Society for Computer	Engineering
8	Simulation Singapore Maritime & Port Journal	Simulation	Simulation
9	2001	MPA Singapore	Logistics

Here are some examples of Books and Journals in the Liophant Libraries



Liophant has a wide selection of International Journals, Conference Proceedings and Scientific Books to be consulted by Liophant Members. Texts are spread in the libraries.

ID	Title	Authors	Editor	Year	Keywords
B1	Making Hard Decisions Vol.1/2	R.J. Clemen	Duxbury	1985	DSS
B2	Making Hard Decisions Vol.2/2	R.J. Clemen	Duxbury	1985	DSS
B3	Neural Networks in Finance & Investing Vol. 1/2	R.R. Trippi, E. Turban	Probus Publishing Company	1992	AI
B4	Neural Networks in Finance & Investing Vol. 2/2	R.R. Trippi, E. Turban	Probus Publishing Company	1992	AI
B5	Nonlinear Dynamical Systems (Edition II)	P.A. Cook	M.J. Grimble - Prentice Hall	1994	Data Processing
B6	Manuale di Manutenzione degli Impianti Industriali e Servizi	L.Furlanetto	FrancoAngeli	1998	Industrial Engineering
B7	Applichiamo il Total Productive Maintenance	Vari - JIPM - JMAC	FrancoAngeli	1991	Management
B8	Implementing Six Sigma	F.Breyfogle	Wiley-Interscience	1999	Management
B9	Measuring Six Sigma & Beyond	R.Lawson, B. Stuart	Motorola University Press	1997	Management
B10	The Baldridge Award for Education	J.S. Arcaro	St. Lucie Press	1995	Management
B11	Applied Chaos Theory	A.B. Cambel	Academic Press	1993	Data Processing
B12	The Fractal Geometry of Nature	B.B. Mandelbrot	Freeman	1983	Modelling
B13	Making Hard Decisions New Edition	R.J. Clemen, T.Reilly	Duxbury	2001	DSS
B14	Fractals & Scaling in Finance	B.B. Mandelbrot	Springer	1997	Modelling
B15	Small Worlds	D.J.Watts	Princeton University Press	1999	Modelling
B16	Simulation and Information System Design	E. Blumel, L. Novitsky	Jumi	2000	Simulation
B17	Outsourcing	S.M. Bragg	Wiley-Interscience	1998	Management
B18	Operations Scheduling	M.Pinedo, X. Chao	Irwin / McGraw -Hill	1999	Management
B19	Simulation Modelling Using @Risk	W.L.Winston	Duxbury - Thomson Learning	2001	Simulation
B20	A First Course in Fuzzy Logic	H.T.Nguyen, E.A.Walker	Chapman & Hall	2000	AI
B21	Project Management	H.Kerzner	Van Nostrand Reinhold	1998	Management
B22	Borland C++ Builder Guide	K. Reisdorph	SAMS Publishing/Apogeo	1998	IT
B23	Tracking & Kalman Filtering Made Easy	E. Brookner	Wiley-Interscience	1998	Data Processing
B24	Handbook of Simulation	J.Banks	Wiley-Interscience	1998	Simulation
B25	Electronic Warfare in the Information Age	D. C. Schleher	Artech House	1999	Military
B26	Understanding Synthetic Aperture Radar Images	C.Oliver, S. Quegan	Artech House	1998	Data Processing
B27	Travi IPE-HE Sollecitate a Compresione ed a Flessione	ILVA Quaderno Tecnico	ILVA - Gruppo IRI		Industrial Engineering
B28	SCAAT: Incremental Tracking with Incomplete Information	G.F.Welch	Chapel Hill	1996	Data Processing
B29	Deterministic and Stochastic Optimal Control	W.H.Fleming, R.W. Rishel	Springer-Verlag		Data Processing
B30	A Generic Traffic Simulation System with Distributed Load Sharing	J M Creagh	University College Cork	2000	Simulation
B31	Almanacco Navale	Vari	Istituto Idrografico della Marina	1988	Military
B32	Il Controllo Statistico per il Responsabile di Qualita'		FrancoAngeli	1995	Management
B33	Basi di Dati e Basi di Conoscenza		Jackson	1995	Data Processing

# Liophant Simulation Football Team

Since May 2003, Liophant Simulation established the Liophant Simulation Football Team by students from different Italian Universities.

Liophant Football Team lays the Foundation Stone on Savona Campus

Football History First Trophy Winner: 5-1

while Liophant Female Football Team was founded in 2007 and they won Savona Female Campus Trophy

In 2005, the first edition of Savona Campus Trophy was set up and Liophant have won this football's ultimate prize, cementing their status as the most successful team in the history of the Campus. Liophant Football Captain accepted the trophy in an emotional prize-giving Ceremony with his team and Club President in a Champagne waterfall (Veuve Cliquot for gossip columnist). In 2006 Liophant won again, while in 2007 he classified 2nd; on May 2008 LSFC won once again.



The Liophant Football Team established a Female Equipe in 2007; The Equipe was divided in two teams that resulted in First and Second place during the first Female Football Cup in Savona Campus during the 2007 autumn. The Equipe get a new "livrea" similar to Liophant Football team white shirt. A special game was run between Male and Female teams for establishing this new initiative during late 2007.



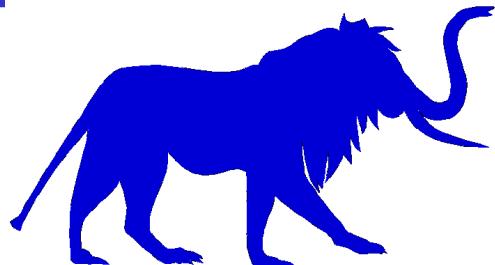
# Liophanters

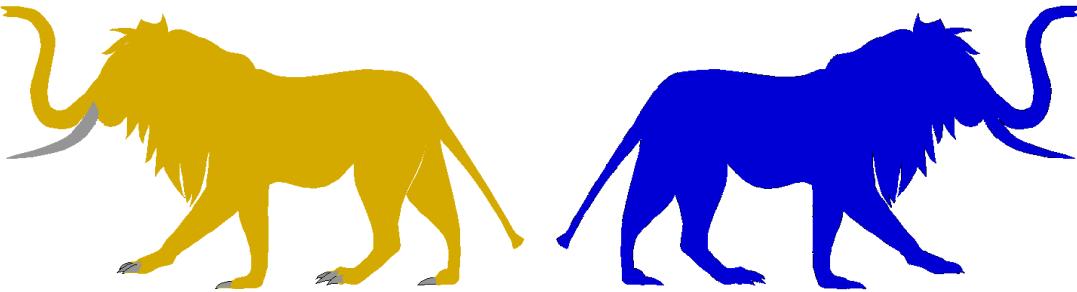
## Liophant Simulation Members

- [G. Berrino](#)
- [E. Bocca](#)
- [A. Bruzzone](#)
- [L. Capelli](#)
- [G. Capra](#)
- [Cesiva \(formerly Scuola di Guerra\)](#)
- [L. Comuzio](#)
- [S. Costa](#)
- [G.G. Cunha](#)
- [A. Devoti](#)
- [P. Elfrey](#)
- L. Fioravanti
- [C. Frydman](#)
- [G. Garassino](#)
- [A. Garro](#)
- [G. Gestro](#)
- [N. Giambiasi](#)
- [R. Huntsinger](#)
- [F. Longo](#)
- [F. Madeo](#)
- [M. Massei](#)
- [Y. Merkuryev](#)
- [G. Merkuryeva](#)
- [MAST srl](#)
- [MIMOS](#)
- [I. Molnar](#)
- [National Center for Simulation](#)
- [L. Pelizzoni](#)
- [A. Pessina](#)
- [M.A. Piera](#)
- [A.M. Piccardo](#)
- [S. Pocobelli](#)
- [G. Stulz](#)
- [A. Tremori](#)
- [J. Uebersax](#)
- [E. Williams](#)



**Since 2012, Liophant Simulation  
has been reorganized as  
“Registered Non-Profit  
Organization” from “Non-Profit  
Organization”**





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URL [www.liophant.org](http://www.liophant.org)

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*Director:* **E.Bocca**

*Secretary:* **A.Devoti**

*Treasurer:* **M.Massei**

*Web Manager:* **F.Longo**

*Board of Accounters:* **G.Gestro**

**F.Madeo**