

Liophant Simulation

2008

www.liophant.org





Liophant Simulation

<http://www.liophant.org>

Email info@liophant.org



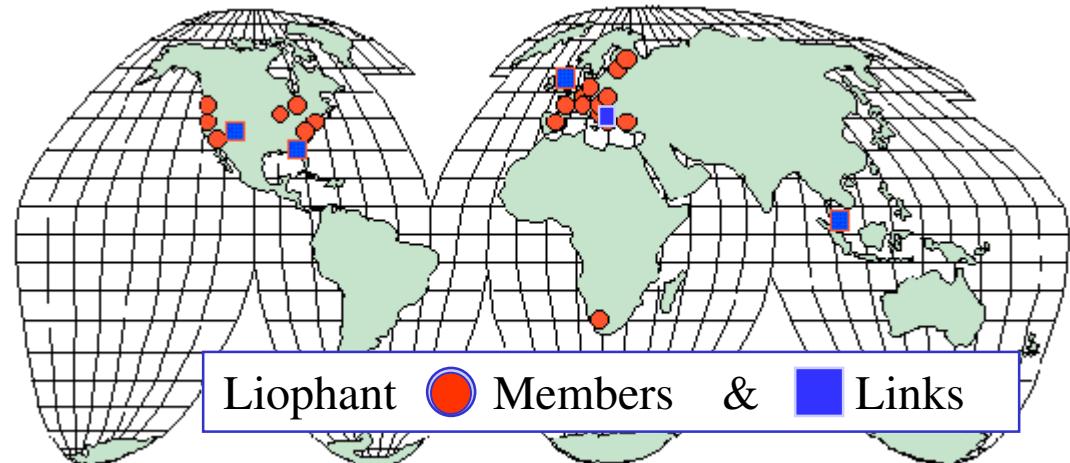
Liophant Simulation involves World-Wide over 140 Scientists and Technicians working in Companies and Academia.

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

- ❖ VAED : Virtual Aided Engineering & Design (Gas Turbine Modeling)
- ❖ Safety First : Virtual Ship Handling Simulation in Harbour Environment
- ❖ Wolves: Warehouse Management & Logistics Simulation
- ❖ Health Care Survey

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

<http://www.liophant.org>

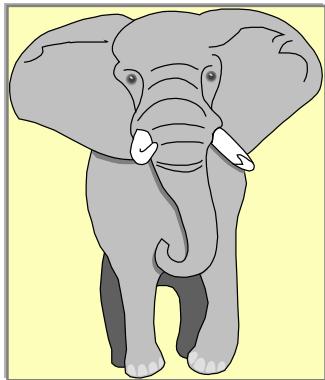




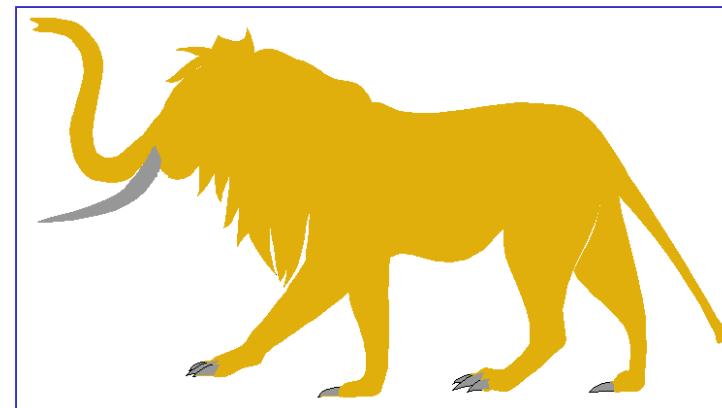
What is a Liophant ?

- 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

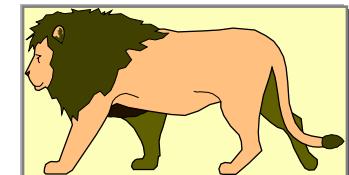
Elephant



Liophant



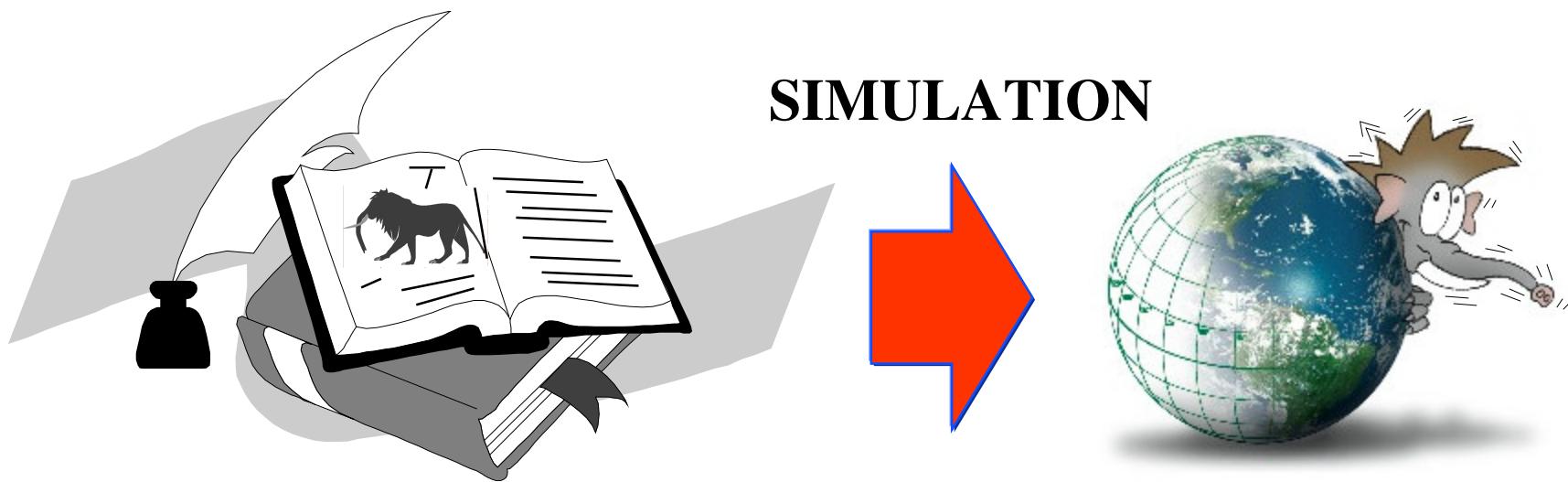
Lion





Why Liophant?

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





Liophant Simulation

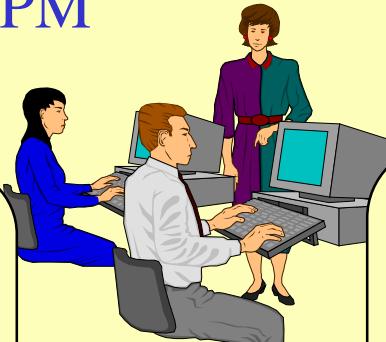
Attendance & Support to Conferences World-Wide



Social Events & Simulation Promotion



Courses in Modelling & 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 & AMS Workshops

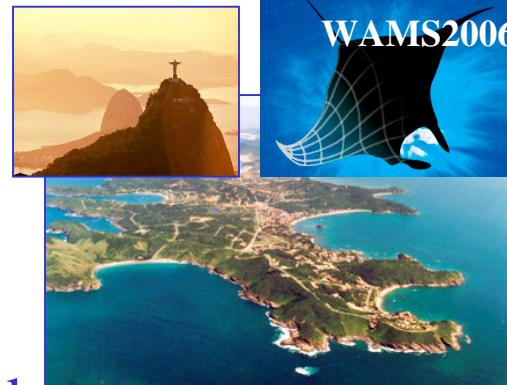


*The International Workshop on Harbour, Maritime & Multimodal Logistics
Modelling & Simulation*

The International Workshop on Modelling and Applied Simulation



The HMS, MAS & AMS Workshops are a classical event, after the editions in Rio de Janeiro, Riga, Buzios Genova, Portofino, Barcelona, Marseille, Bergeggi.



The Workshops were attended by worldwide experts in modelling & simulation applied to logistics.

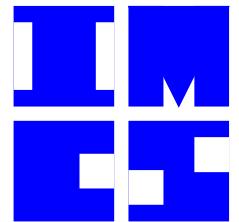


Check www.liophant.org/hms2006 -

[www.liophant.org /mas2006](http://www.liophant.org/mas2006)

I3M: 3rd Mediterranean Meeting

International Mediterranean Modeling Multiconference



The I3M Multi conference was successfully held as International event devoted to promote M&S within Mediterranean Region and it involved five major workshops



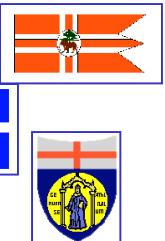
I3M2006 was held in
Barcelona

EMSS2006
Sim Symposium

CSM2006
Conceptual M&S

HMS2006
*Maritime and
Logistics*

IMAACA2006
*Applied Control &
Automation*



<http://www.i-m-cs.org/I3M2006>

Euro-SIW2007 Genoa June 18-21

The European Simulation Interoperability Workshop

This workshop covered a wide range of modeling and simulation (M&S) issues, applications, and communities. The Workshop included multiple tracks and special sessions addressing simulation interoperability issues and proposed solutions; tutorials on state-of-the-art methodologies, tools, and techniques; and exhibits presenting the latest technological advances.



I3M: 4th Mediterranean Meeting

International Mediterranean Modeling Multiconference

The I3M Multi conference is a consolidate International event devoted to promote M&S within Mediterranean Region and currently involves six major workshops.

I3M 2007 was
held in
Bergeggi



[European
Modelling &
Simulation
Symposium](#)

New Simulation
Project
Workshop

McLeod Institute
of Simulation
Science
International
Workshop

Nanotechnologies
Engineering &
Modelling
Outreach
Workshop - NEMO

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

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

New Liophant Conferences



[SCSC2008, Edinburgh, Scotland UK, June 2008](#)

Summer Computer Simulation Conference



[HMS2008, Scilla - Italy, September 2008](#)

The International Workshop on Harbour, Maritime & Multimodal Logistics Modelling and Simulation

(Co-Located Events: I3M2008/EMSS2008/HMS2008/MAS2008)



[I3M2008, Scilla - Italy, September 2008](#)

International Mediterranean Modeling Multiconference

(Co-Located Events: I3M2008/EMSS2008/HMS2008/MAS2008)



[EMSS2008, Scilla - Italy, September 2008](#)

European Simulation Symposium and Exhibition - Simulation in Industry

(Co-Located Events: I3M2008/EMSS2008/HMS2008/MAS2008)



[MAS2008, Italian Riviera, September 2008](#)

International Workshop in Modeling & Applied Simulation

I3M: 5th Latin America & Mediterranean Modelling Multiconference

The I3M Multi conference is a consolidate International event devoted to promote M&S within Mediterranean Region and currently involves six major workshops.



[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](#)



<http://www.i-m-cs.org/I3M2006>

New Liophant Conferences



AMS2009, Bandung 25-26 May, Bali 29 May 2009 - www.liophant.org/conferences/2009/ams2009



Third Asia International Conference on Modelling & Simulation
Special Session Supply Chain Simulation



SCSC2009, Istanbul, Turkey, June 2009 - www.scs.org/confernc/summersim/summersim09/cfp/summersim09.htm

Summer Computer Simulation Conference



HMS2009, Tenerife, Canary Islands - Spain, September 2009 - www.liophant.org/hms

The 11th International Conference on Harbour, Maritime & Multimodal Logistics Modelling and Simulation

(Co-Located Events: I3M2009/EMSS2009/HMS2009/MAS2009)



I3M2009, Canary Islands - Spain, September 2009 - www.liophant.org/hms

The 6th International Mediterranean Modeling Multiconference

(Co-Located Events: I3M2009/EMSS2009/HMS2009/MAS2009)



EMSS2009, Canary Islands - Spain, September 2009 - www.liophant.org/i3m/emss2009

21th European Simulation Symposium and Exhibition - Simulation in Industry

(Co-Located Events: I3M2009/EMSS2009/HMS2009/MAS2009)



MAS2009, Canary Islands - Spain, September 2009 - - www.liophant.org/mas

The 8th International Conference in Modeling & Applied Simulation

(Co-Located Events: I3M2009/EMSS2009/HMS2009/MAS2009)



WAMS2010, Rio de Janeiro & Buzios - Brazil, April 2010 - www.liophant.org/conferences/2010/wams2010

The III International Workshop on Applied Modelling and Simulation

Liophant Simulation Board

New Board

President

Director

Secretary

Treasurer

Web Manager

Reviewers:

Agostino Bruzzone, DIPTEM

Priscilla Elfrey, NASA

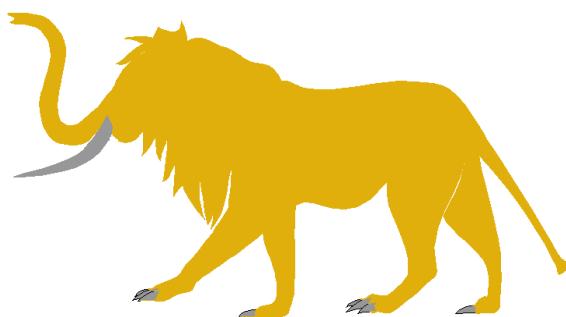
Alberto Devoti, Gildemeister

Marina Massei, DIPTEM Unige

Francesco Longo, MSC-LES

Gino Gestro, Officine Cargotech Ferrari

Enrico Bocca, MAST





VIP
Virtual Interactive Port
www.liophant.org

The International Activity of Liophant

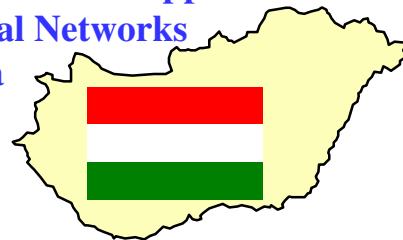
1996

ICAMES96, Istanbul, May
Best Project Award for Prosim(1st),
Wolf, Moretti, Tremori



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

Motta



MIC96, Innsbruck, February
Modelling & Simulation
Brandolini



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



Student Activity

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

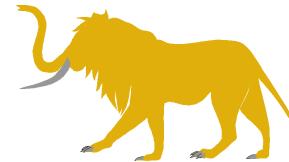


Phoenix 97, July
**Health Care
System Survey**

Wolf



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



ESS97, Passau, October

Pollution Control

Lorenzo Motta



Orlando 97, September

NCS Cooperations, Remote Education Project

Alberto Tremori

Student Activity

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

ESM98, Machester

Web Based Applications

Lorenzo Motta

The International Activity of Liophant

ICAMES99, Istanbul, May

MESA, WORM

S.Rapallo, C.Scuteri, G.Vano, F.Vio
2nd & 3rd Best Projects Award



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

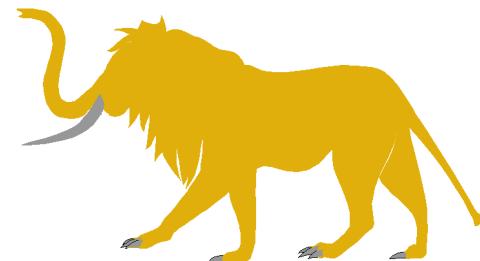
WMC99, San Francisco
Neural Networks - February
L.Motta

Winter Simulation Conf.
Phoenix, December
Roberto Revetria

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

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

MISS MISS - DIP University of Genoa



Summer Simulation Conference 1999
Chicago, July
Francesca Vio



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



Baraquilla, Dec.
Luca Patrone



New Mexico City, Nov.
Luca Patrone



Student Activity **1999**

Workshop HMS99
Genoa - September



ANIMP99, Ischia
S.Rapallo
Best Thesis Award



MIC99/AI99, Innsbruck, Feb
Automation & Simulation
M.Brandolini, C.Briano, E.Briano



NATO / Atlas
Bremen - Aug
VV&A
M.Brandolini



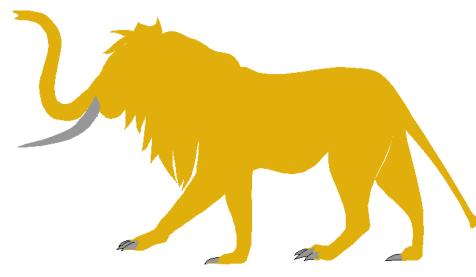
Liophant Simulation

The International Activity of Liophant

ICAMES2000, Istanbul, May

PUMA & GILA

Simeoni, Fracchia, PozziC.,
Mantero, Vigano', Diglio
1st Best Projects Award



Montreal, July
CAE Electronics
S.Simeoni

LOCKHEED MARTIN

Montreal, August
Lockheed
Simeone Simeoni



Simulation Languages, Jul
CSUC
PozziCotto



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



WMC2000
San Diego, December
L.Motta

Orlando May / Nov-Dec
NCS & Nasa
Enrica Fracchia



ITEC00
The Hague April
Simulation for Education
R.Revetria



MISS - DIP University of Genoa

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



Student Activity

2000

Workshop HMS2000
Portofino Oct.



ANIMP00, Trieste Oct.
Simeoni, Fracchia, PozziC.
Thesis Award

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



Hamburg
ESS2000
October
Pozzicotto



Liophant Simulation

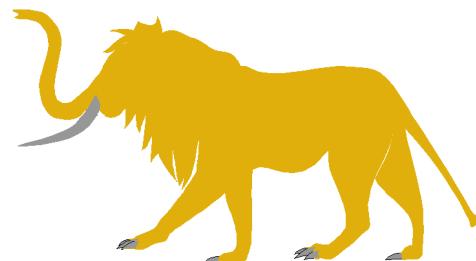
The International Activity of Liophant

ICAMES2001, Istanbul, May

DICOSAP & Neptune

C.Burlando M.Genovese, L.Rombi

2nd & 3rd Best Projects Award



Student Activity

2001

Siren Course M&S

Bergeggi Oct.



ANIMP01
Spoleto Oct.
S.Simeoni

Siren Course
HLA
Rome June
Revetria

CUM
Praha, June
Kindler (Patrone, Unali)



Fordo Motor Co., April

Detroit

Simeone Simeoni

Boston College IEPAL Program

NCS & Nasa
IEPAL Program

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



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



MIC01/AI01, Innsbruck, Feb

Automation & Simulation

Alessandro Scopinich & Riccardo Danio



Fraunhofer IFF
Magdeburg
November
Pozzi Cotto

Liophant Simulation



MISS - DIP University of Genoa



The International Activity of Liophant

ICAMES2002, Istanbul, May



CHARME & ROSES

S.Simeoni, S.Viazzo, O. Serindat, F.Bertone
Best Projects Award



Creta,
A. Orsoni

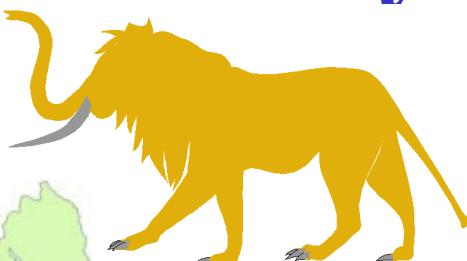


W.Bohemia Univ.
December
S.Pozzi Cotto



MISS - DIP University of Genoa

Sweden
December
S. Pozzi Cotto



Lisboa
A.Orsoni



Boston, December
Boston College
R. Revetria



Orlando July-Sept.-Dec.
NCS & Nasa - IEPAL
S. Viazzo, S. Simeoni,
E. Costa, E.M. Mantero,
F. Oliva



Rio De Janeiro, UFRJ
December
Simeoni,
Bruzzone



RTU, LIS
Riga, June
R.Revetria



Professional &
Student Activity 2002

Workshop HMS2002/MAS2002
Bergeggi, Oct.



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



Consortio Formazione Logistica Intermodale



MIC00/AI00, Innsbruck, Feb

Automation & Simulation

M.Brandolini, C. Briano, E. Briano
R.Revetria, S. Viazzo, O.Serindat



Dresden
A.Orsoni
S.Pozzi Cotto

Liophant Simulation



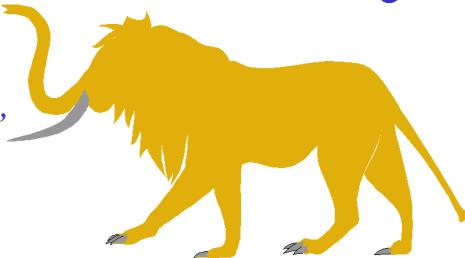
The International Activity of Liophant

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



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



DS-RT2003, ESS2003

Delft, October

P.Bломジョス,,
.van Houten



TU Delft

Technische Universiteit Delft



Student Activity
PhD, Master, BS 2003

Workshop MAS2003
Bergeggi, Oct.



IEPAL/IEEE

Genoa/Novara



Consortio Formazione Logistica Intermedia

E.Mantero, D.Carini

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

Workshop VMASC,
Liophant MISS

Genoa, September
F.Figini, D.Carini



MIC03, Innsbruck, Feb

Agent Driven Simulation

E. Briano



MISS - DIP University of

Liophant Simulation



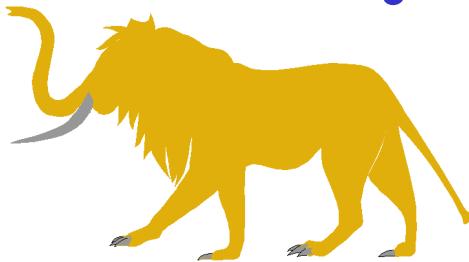
The International Activity of Liophant

ICAMES2004, Istanbul, May



COMADREJA & SILLA2

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



Exchange Activity
PhD, Master, BS

2004

Workshop I3M2004/MAS2004
Bergeggi, Oct.



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



SimServ, Copenhagen
September, M.Massei



SCSC2005
San Jose`
July, S.Simeoni



MBA, Darden
Alessio Carbone

ST Genoa/Venice
S. Saavedra, R.Gallan,
J.Zumaglini, C.Bussi,
B.Jamel

Boston College
Boston , July-August
R.Moccia

VMASC, May
R.Revetria
University of
Maryland

November
G.Prioreschi



MBA, London
Business School, G.Oran

ITEC2004, London
May, F.Longo



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

The International Activity of Liophant

ICAMES2005, Istanbul, May



MACACO

S.Poggi, K.Scarso, M.Massei



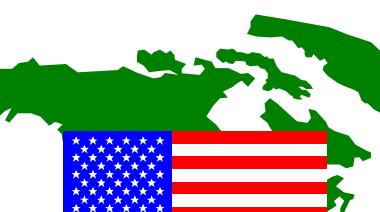
Universidad Panamericana
Mexico City

November

L.Bucchianica, A DiCostanzao, S. Rosa



IASTED
Cancun
May
F.Longo

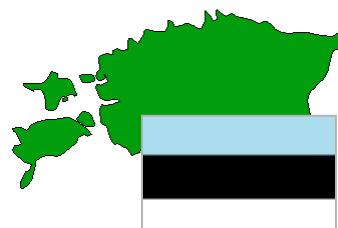
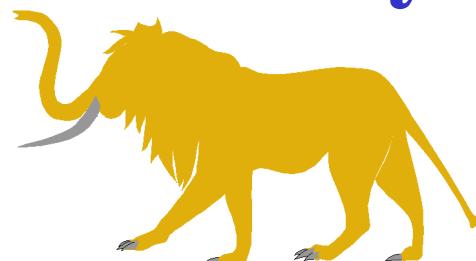


SCSC2005
Philadelphia
July, E. Bocca,
E.Briano, M.Massei,
A.Bruzzone



ECMS
Riga

A.Bruzzone



NATO-ARW
Tallin
A.Bruzzone



KSC
Orlando
August
E.Bocca

Dormouth College
July
A.Salmoiraggi



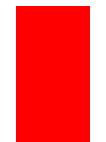
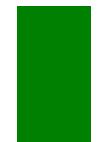
ITEC2005,
Amsterdam
May,
E.Briano, E.Bocca



Exchange Activity
PhD, Master, BS

2005

Workshop MAS2005
Bergeggi, Oct.



Genoa University
Savona
S. Saavedra,
Rathan Guha

L.Bucchianica, A DiCostanzao, S. Rosa



MISS - DIP University of Genoa

Liophant Simulation Club



The International Activity of Liophant

ICAMES2006, Istanbul, May

MACACO, PHROSIM

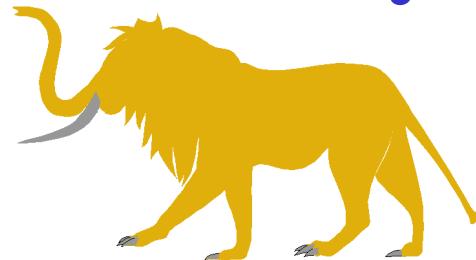


F.Longo, S.Poggi, L.Bucchianica,

G.Desensi,

C.Oderigo,

F.Tralongo



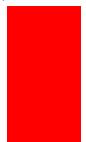
Exchange Activity

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



EMSS2006

Boon

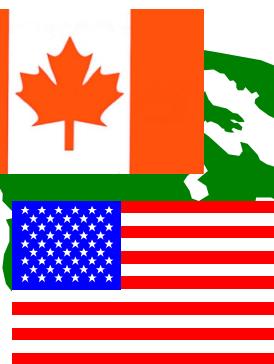
June S.Poggi



SCSC2006

Calgary

July F.Longo



I3M2006

HMS2006

EMSS2006

Marseille

October

E.Briano

October, E.Briano, S.Poggi



MISS - DIPTEM University of Genoa

Liophant Simulation



The International Activity of Liophant

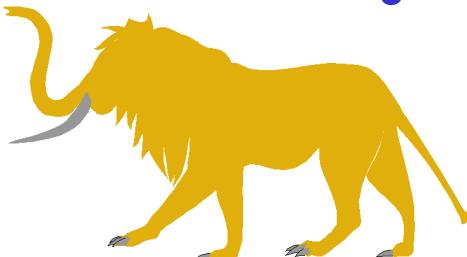
ICAMES2007, Istanbul, May

MACACO, PHROSIM

F.Longo, S.Poggi, D.Maritano

L.Pierferici,

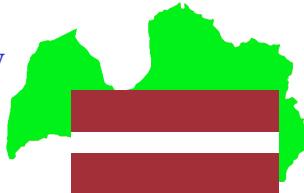
D.M.



Port Security

Riga

D.Grippaldi,
M.Genova



ITEC2007
Cologne
April,
L. Pierfederici



PIOVRA
Paris, November
L.Baati

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

JTLS
Monterey
October
D.M.L.Baati
SCSC2007
San Diego
July S.Saetta



S.Saetta
University of Arizona
Julyl-August



M.Mazzarese
Dartmouth College
Julyl-August



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

PIOVRA
Rome, February.
M.Seck



I/ITSEC
Orlando
L.Pierfederici

IMSM
Buenos Aires
February



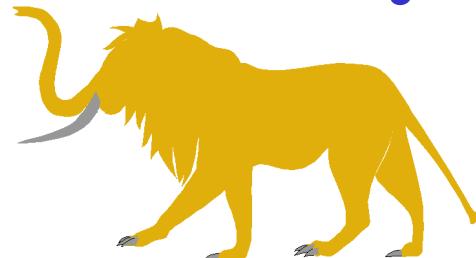
The International Activity of Liophant

ICAMES2008, Istanbul, May

MACACO, PHROSIM

F.Longo, A.Cimino, D.Curcio

E.Pinto



SCSC2008

Edinburgh
June

A.Cimino



LSCM
Magdeburg
March
L.Pierfederici



ITEC2008
Stockholm
June
A.Tremori

2008

Exchange Activity
PhD, Master, BS



SIREN, Beregeggi, June

Adeline Queau

Workshop
SERIXGAME
Rome, Oct.
F.Tarone



I3M/HMS/MAS
EMSS
Campora SG, Sept.
M.Caneparo, F.Tarone



PIOVRA
Marseille, June
L.Baati



S.Saetta
University of Arizona
September-January

LSCM Leuben, Ottobre
L.Pierfederici



I/ITSEC
Orlando
December
A.Tremori



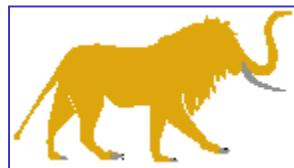
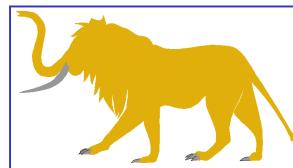
C.Frydman
Buenos Aires
February



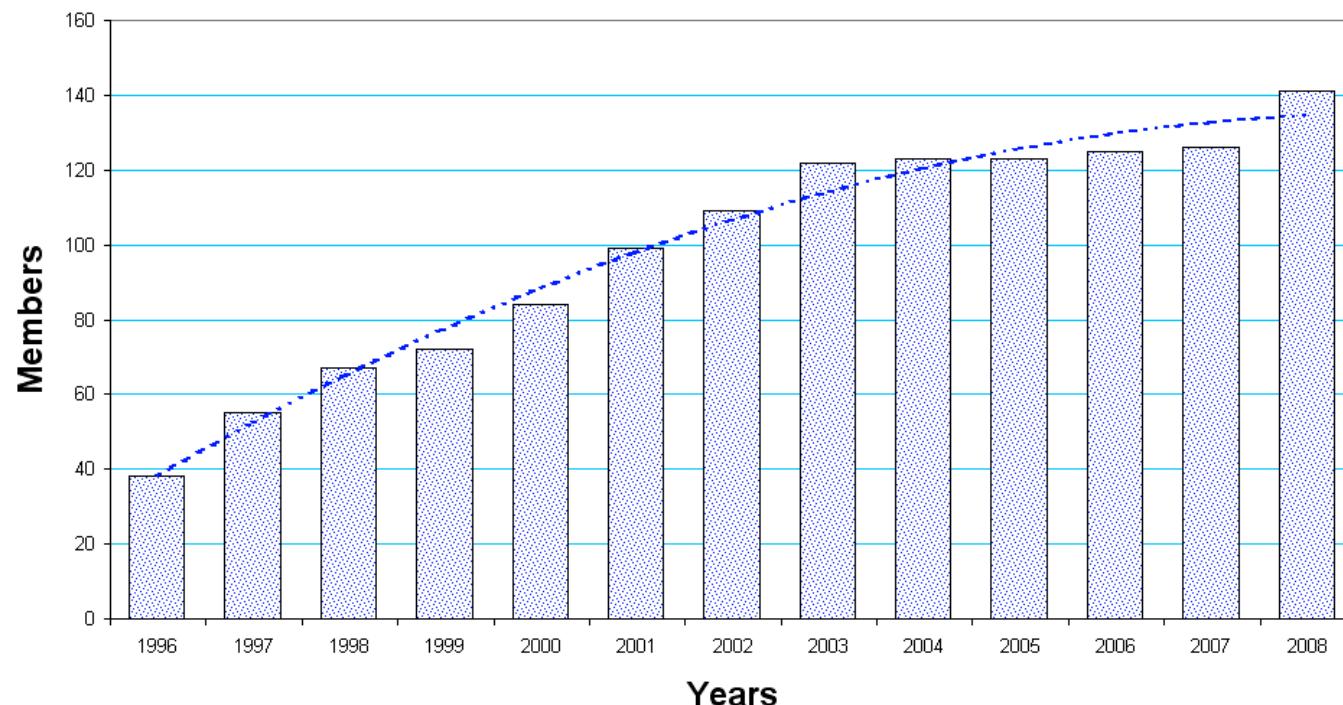
Liophant Figures

Services & Associations of the Members:

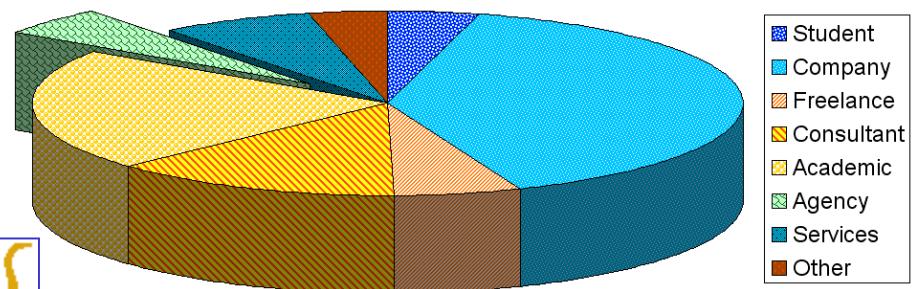
Italian Army, Guardia di Finanza, MISS,
NCS, Fraunhofer IFF



Liophant Members



Member Activities 2008



Example of Member Affiliations:
Dupont
Boeing
Esso
McKinsey
NASA
COOP
Telecom
& SMEs

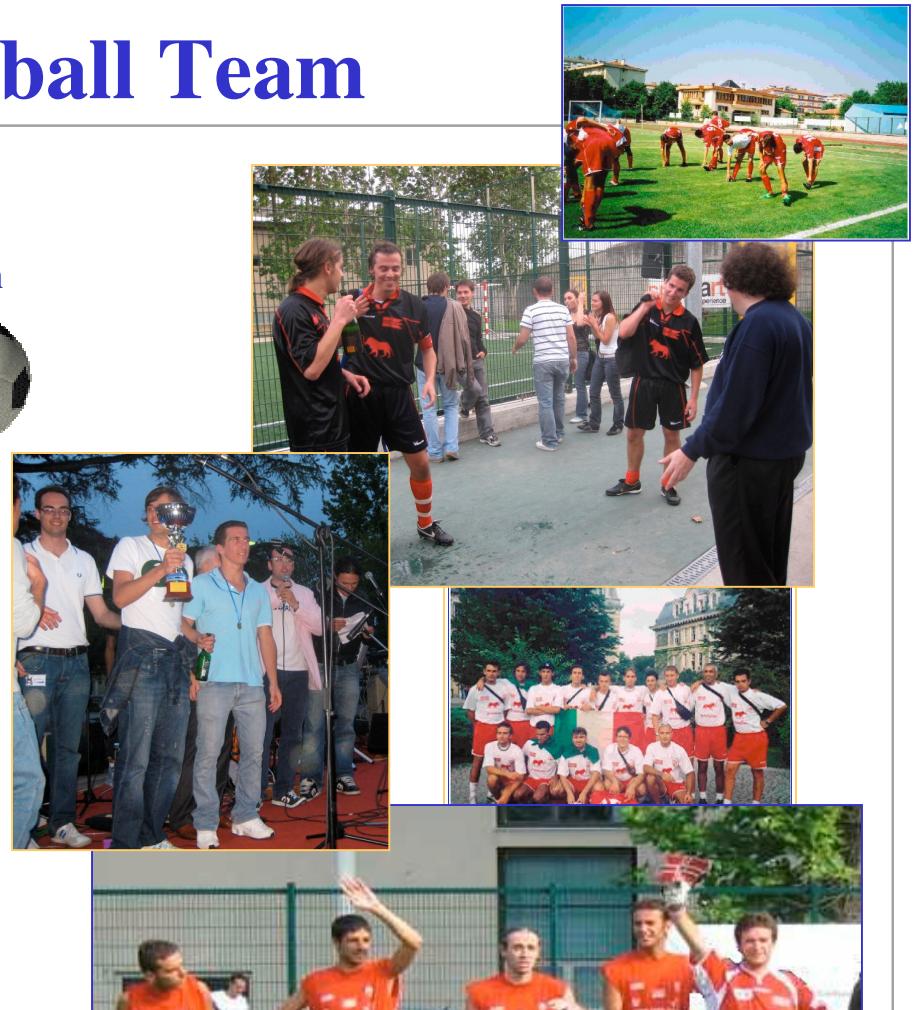
Liophant Simulation Football Team

In May 2003 Liophant Simulation was established the Liophant Football Team by students from different Italian Genoa Universities



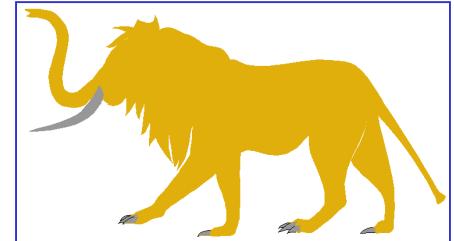
Liophant Football Team won the Savona Campus Trophy

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 Team 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.



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.





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

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Director: Priscilla Elfrey

Treasurer: Marina Massei

Secretary: Alberto Devoti

Web Manager: Francesco Longo

Account Review: Gino Gestro
Enrico Bocca