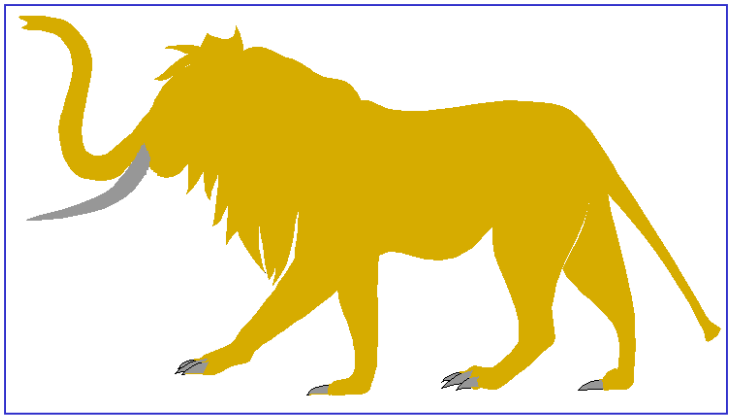
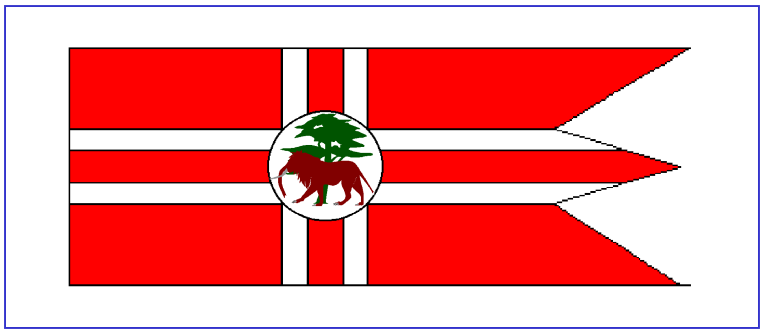


Liophant Simulation

Report 2006-2007

www.liophant.org



Liophant Simulation

http://www.liophant.org

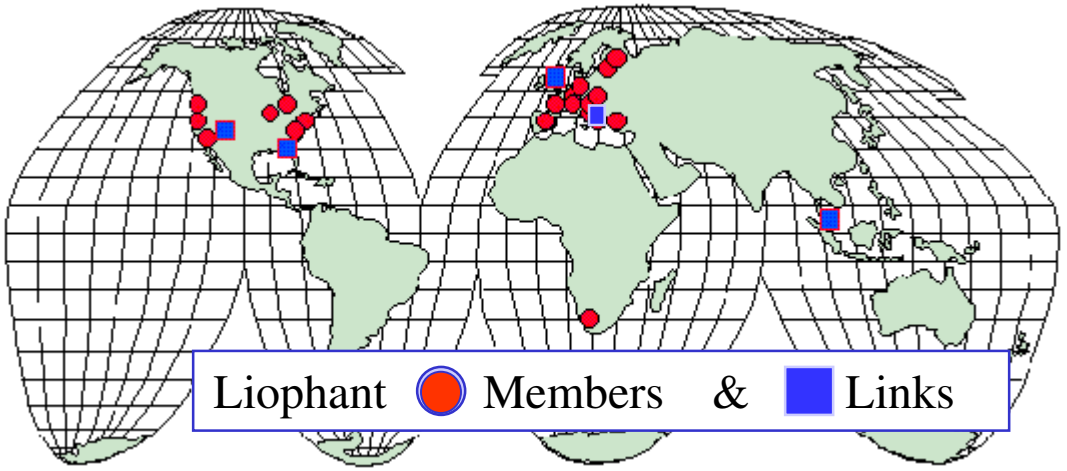
Email info@liophant.org

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

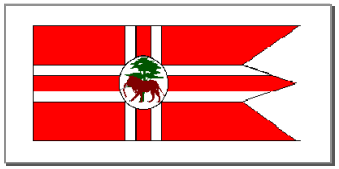
The *Liophant* develops Advanced Projects for Real Industrial Applications as:

- **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)**



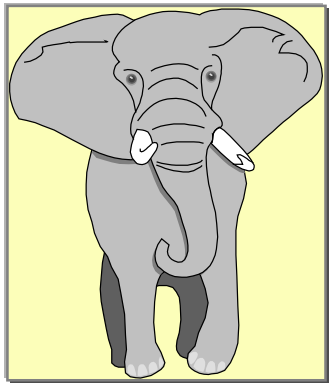
http://www.liophant.org



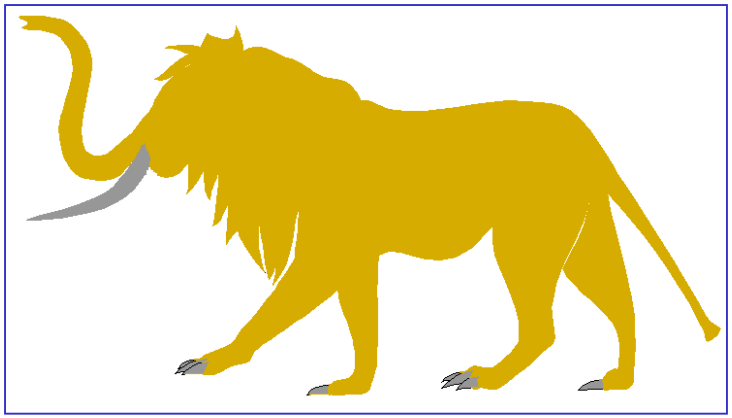
What is a Liophant ?

- 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

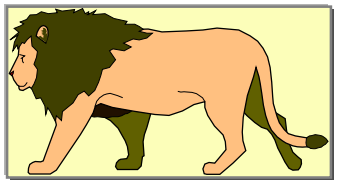
Elephant



Liophant



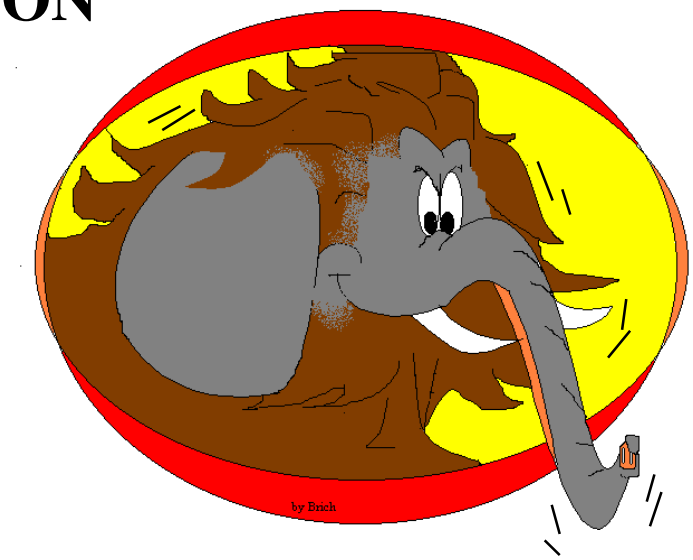
Lion

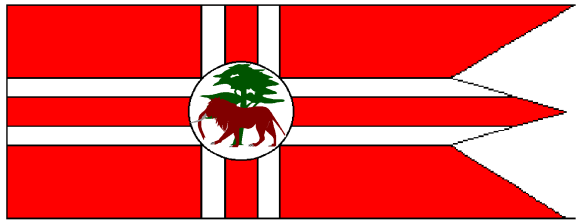


Why Liophant?

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

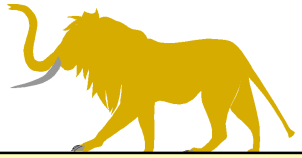
SIMULATION





Liophant Simulation

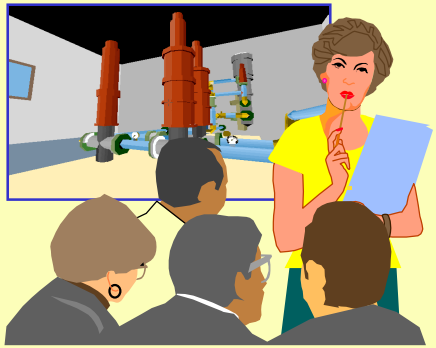
Attendance & Support to Conferences World-Wide



Social Events & Simulation Promotion

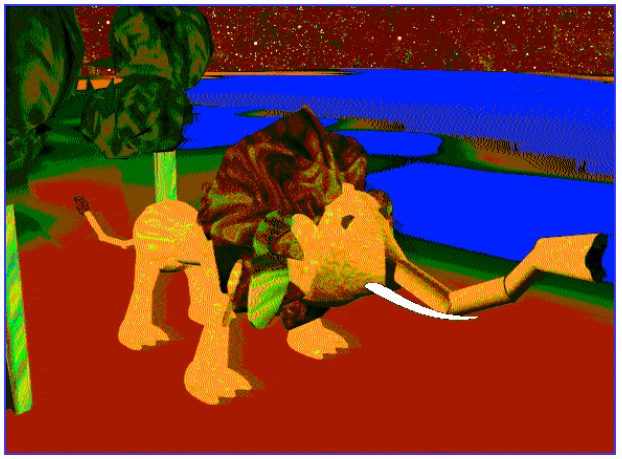
Courses in Modelling & Simulation, HLA, VV&A, PM

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

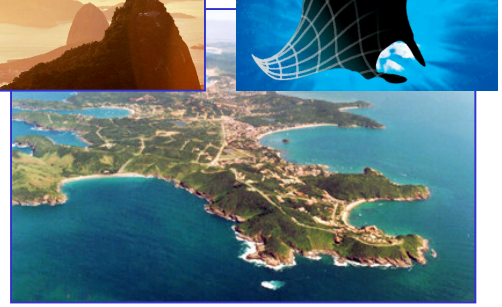
The International Workshop on Harbour, Maritime & Multimodal Logistics Modelling & Simulation

The International Workshop on Modelling and Applied Simulation

HMS 2007

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

MAS 2007



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

Check www.liophant.org/hms2006 - 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

EMSS2006
Sim Symposium

CSM2006
Conceptual M&S

HMS2006
Maritime and Logistics

IMAACA2006
Applied Control & Automation

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

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 will be held in Bergeggi

[European Modelling & Simulation Symposium](#)

New Simulation Project Workshop

McLeod Institute of Simulation Science International Workshop

Nanotechnologies Engeneering & Modelling Outreach Workshop - NEMO

[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

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.

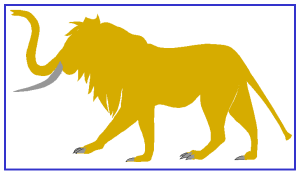
EURO-SIW 2007 was held in Genoa

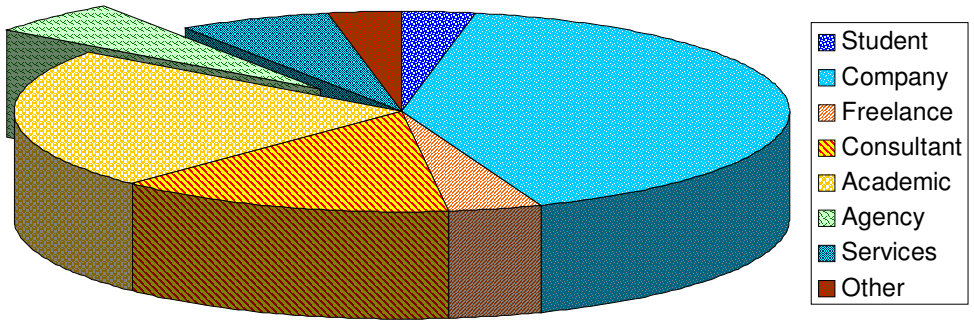
http://www.eurosiw.org **http://www.sisostds.org**

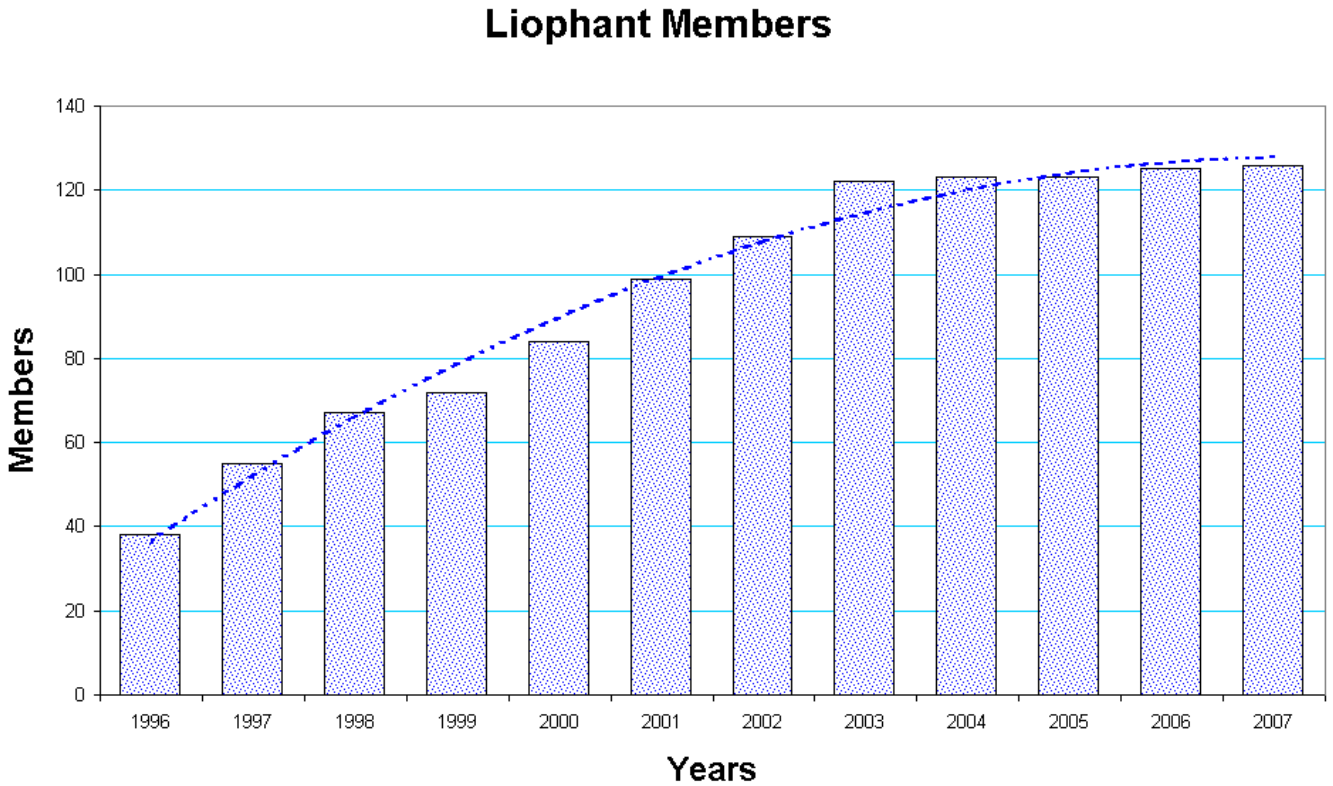
Liophant Figures

Services & Associations of the Members:

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





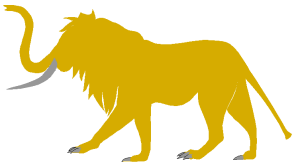


Example of Member Affiliations:

Dupont,
PMCorp
Exxon
Mckinsey
SPAWAR,
COOP
& SMEs

The International Activity of Liophant 1996

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



Student Activity

ESS96, Genoa October,
Simulation in Industry
Organization
Full Staff

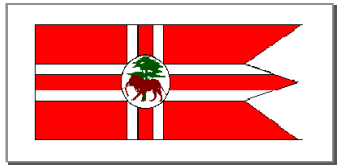
ESM96, Budapest, June
Environment Applications of Neural Networks
Motta

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

MIC96, Innsbruck, February
Modelling & Simulation
Brandolini

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



Student Activity

The International Activity of Liophant

1997

ICAMES97, Istanbul, May
Award for Prisoner's Dilemma Algorithm (1st)
Award for VAED (3rd),
Gabriele Cotta & Roberto Revetria

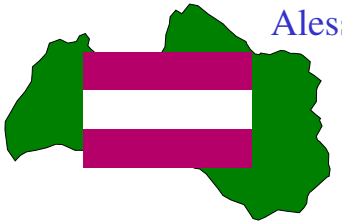
ESM97, Istanbul, June
Environment Applications of Neural Networks
Motta

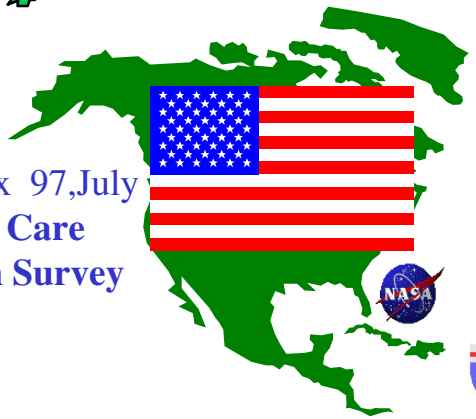
Student Activity

ANIMP97, Sorrento, October
Virtual Aided Engineering & Design
Best Project Award
Gabriele Cotta & Cerruto

EUROMEDIA, London
Web Based Applications
Lorenzo Motta

Riga 97,October
Web Based Simulation of Harbour Services
Alessio Carbone

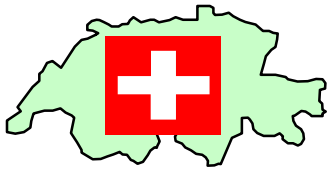




Phoenix 97,July
Health Care System Survey
Wolf

Magdeburg 97, October
WOLVES
Warehouse Org. & Logistics Simulation
Bertolini
Carbone
Revetria

ESS97, Passau, October
Pollution Control
Lorenzo Motta



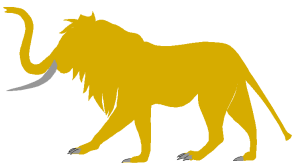
ITEC97, Lausanne, June
Safety First: Virtual Harbour
Gabriele Cotta & Mauro Cerruto

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

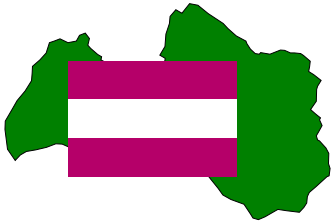
WMC98, San Diego 98
Artificial Neural Network
Lorenzo Motta

Student Activity **1998**

Ports98, Genoa, September
Multedo Terminal Simulation
Alessio Carbone

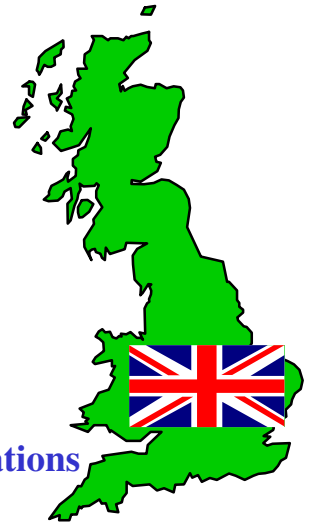
Meeting LSC, NASA
Genoa, April

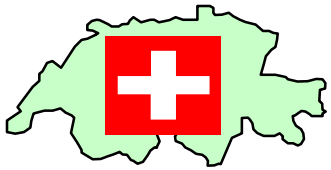
ANIMP98, Bologna, October
Automotive Assemblying Simulation
Filippo Paradiso



Riga 98, Workshop on Modeling within a Maritime Environment
Web Based Harbour Simulation
A.Carbone, A. Devoti, A.Tremori

NEURAP98, Marseille, March
Intelligent Acquisition System
Best Paper Award
R.Revetria, L.Motta





ITEC98, Lausanne, June
Alessio Carbone, Roberto Revetria

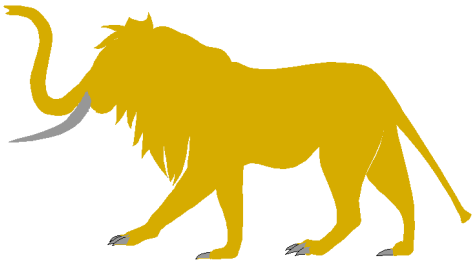
ESM98, Machester
Web Based Applications
Lorenzo Motta

Student Activity

The International Activity of Liophant

Student Activity **1999**

ICAMES99, Istanbul, May
MESA, WORM
S.Rapallo, C.Scuteri, G.Vano, F.Vio
2nd & 3rd Best Projects Award



Workshop HMS99
Genoa - September

Summer Simulation Conference 1999
Chicago, July
Francesca Vio

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

ANIMP99, Ischia Oct.
S.Rapallo
Best Thesis Award

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

Boston, Apr-Jul-Aug
Boston College
Francesca Vio

WMC99, San Francisco
Neural Networks - February
L.Motta

Winter Simulation Conf.
Phoenix, December
Roberto Revetria

Washington, April
Pentagon
S.Rapallo

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

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

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

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

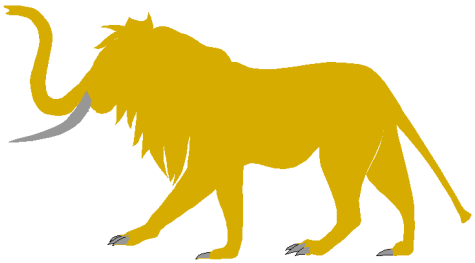
Baraquilla, Dec.
Luca Patrone

New Mexico City, Nov.
Luca Patrone

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

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.

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

CAE
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)

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

Orlando May / Nov-Dec
NCS & Nasa
Enrica Fracchia

WMC2000
San Diego, December
L.Motta

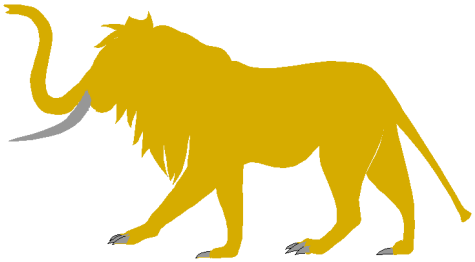
ITEC00
The Hague April
Simulation for Education
R.Revetria

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

Hamburg
ESS2000
October
Pozzicotto

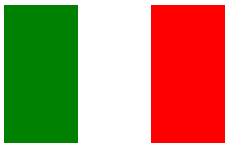
The International Activity of Liophant

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

Fordo Motor Co., April
Detroit
Simeone Simeoni

Boston College
IEPAL Program

CUM
Praha, June
Kindler (Patrone, Unali)

NCS & Nasa
IEPAL Program

MIC01/AI01, Innsbruck, Feb
Automation & Simulation
Alessandro Scopinich & Riccardo Danio

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

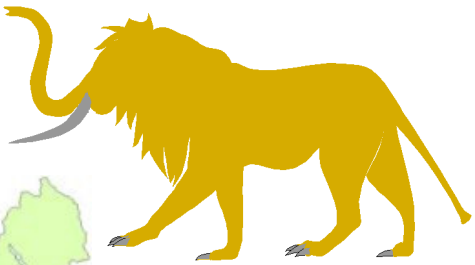
HMS2001
Marseille, October
Burlando, Diglio, Genovese,
Queirolo, Vigano'

Fraunhofer IFF
Magdeburg
November
Pozzi Cotto

The International Activity of Liophant

Professional & Student Activity **2002**

ICAMES2002, Istanbul, May
CHARME & ROSES
S.Simeoni,S.Viazzo, O. Serindat,F.Bertone
Best Projects Award



Workshop HMS2002/MAS2002
Bergeggi, Oct.

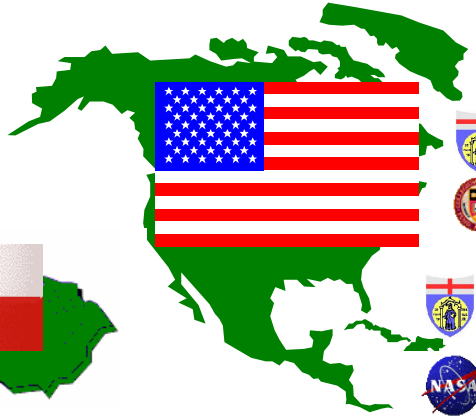
Creta,
A. Orsoni

Sweden
December
S. Pozzi Cotto

Lisboa
A.Orsoni

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

CFLI
Consorzio Formazione Logistica Intermodale



Boston, December
Boston College
R. Revetria

IASTED

MIC00/AI00, Innsbruck, Feb
Automation & Simulation
M.Brandolini, C. Briano, E. Briano
R.Revetria, S. Viazzo, O.Serindat

W.Bohemia Univ.
December
S.Pozzi Cotto

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

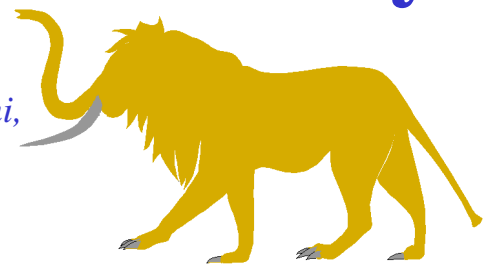
UFRJ

RTU, LIS
Riga, June
R.Revetria

Dresden
A.Orsoni
S.Pozzi Cotto

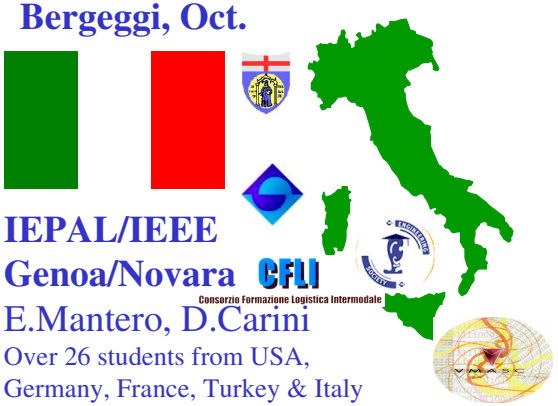
The International Activity of Liophant

ICAMES2003, Istanbul, May
DIROMATIC, NERONE
F.Figini, M.Sanguinetti, G.Boero, C.Caballini, V.Barcucci, S.De Michelis
3rd Best Projects Award



Student Activity
PhD, Master, BS **2003**

Workshop MAS2003
Bergeggi, Oct.



SCSC2003
Student Workshop
Montreal July
Over 10 students from USA, Canada

SportFest 2003, June
Liophant Football
Team 3rd Position

IEPAL/IEEE
Genoa/Novara
E.Mantero, D.Carini
Over 26 students from USA,
Germany, France, Turkey & Italy

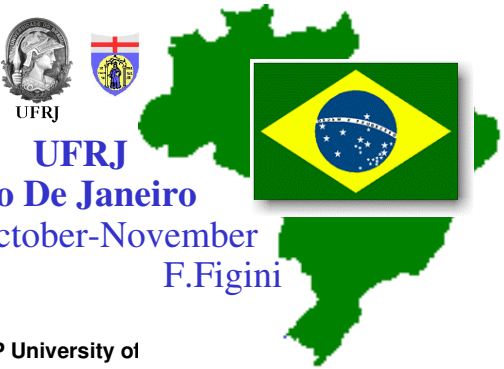
Boston College &
Stevens Institute
March-April
V.Bortoletto, G.Boero,
M.Sanguinetti,C.Caballini
Over 10 students from Germany, France & Italy

SCS, ICT & Univ
Southern California
November
Danila Carini

Workshop VMASC,
Liophant MISS
Genoa, September
F.Figini, D.Carini

Universidad
Panamericana
Danila Carini December
Mexico City

Orlando March-April
NCS & UCF - IEPAL
V.Bortoletto, G.Boero,
M.Sanguinetti,C.Caballini
Over 10 students from Germany, France & Italy



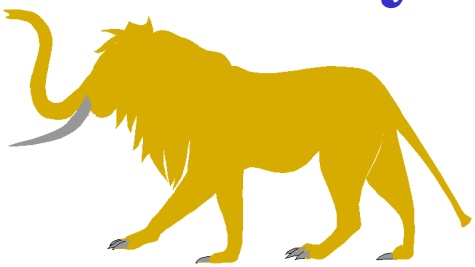
UFRJ
Rio De Janeiro
October-November
F.Figini

DS-RT2003, ESS2003
Deltf, October
P.Blomjous,,
.van Houten

MIC03, Innsbruck, Feb
Agent Driven Simulation
E. Briano

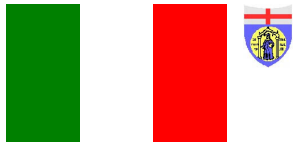
The International Activity of Liophant

ICAMES2004, Istanbul, May
COMADREJA & SILLA2
F.Longo, D.Carini, A.Ganapini, M.Meistro, S.Poggi -1st Runner Award

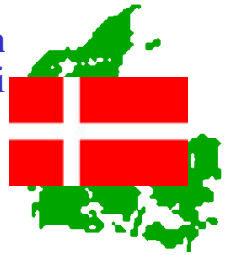


Exchange Activity
PhD, Master, BS
2004

Workshop I3M2004/MAS2004
Bergeggi, Oct.



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

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

SCSC2005
San Jose`
July, S.Simeoni

Boston College
Boston , July-August
R.Moccia

VMASC, May
R.Revetria

University of Maryland
November
G.Prioreschi

MBA, Darden
Alessio Carbone

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

UFRJ

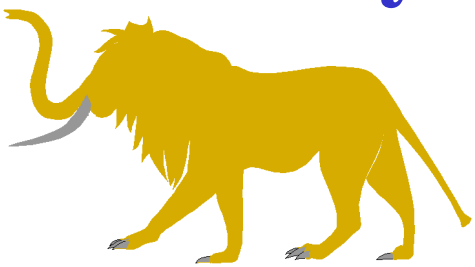
SimServ
Helsinki
June
M.Massei

MBA, London
Business School, G.Oran

ITEC2004, London
May, F.Longo

The International Activity of Liophant

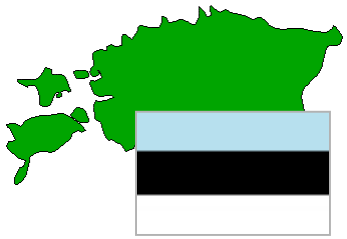
ICAMES2005, Istanbul, May
MACACO
S.Poggi, K.Scarso,M.Massei



Exchange Activity
PhD, Master, BS

2005

Workshop MAS2005
Bergeggi, Oct.



NATO-ARW
Tallin
A.Bruzzone

Genoa University
Savona
S. Saavedra,
Rathan Guha

Universidad Panamericana
Mexico City
November
L.Bucchianica, A DiCostanzao, S. Rosa

IASTED
Cancun
May
F.Longo

KSC
Orlando
August
E.Bocca

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

Dormouth College
July
A.Salmoiraghi

ECMS
Riga
A.Bruzzone

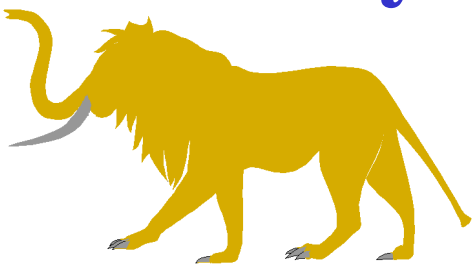
I/ITSEC
Orlando
December
L.Bucchianica, A DiCostanzao, S. Rosa

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

The International Activity of Liophant

Exchange Activity
PhD, Master, BS
2006

ICAMES2006, Istanbul, May
MACACO, PHROSIM
F.Longo, S.Poggi, L.Bucchianica, G.Desensi, C.Oderigo, F.Tralongo



Workshop MAS2006
Bergeggi, Oct

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

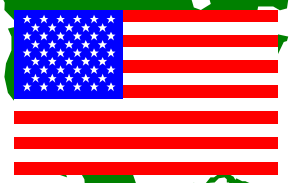
EMSS2006
Boon
June S.Poggi

AMS2006, Buzios
March F.Longo

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

Virtuality2006
Turin, Nov, L.Pierfederici
D.Modula

SCSC2006
Calgary
July F.Longo



Rutgers University,
Julyl-August
F.Longo

SpringSim
SIW2006
Huntsville
March, K. Scarso

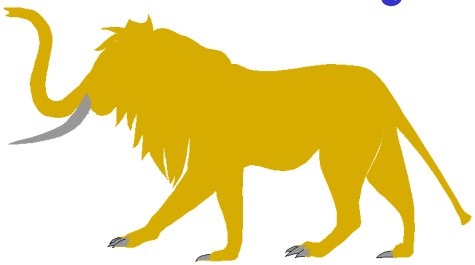
I3M2005
HMS2005
EMSS2005
Marseille
October
E.Briano

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

ITEC2005, London
May, E.Briano

The International Activity of Liophant

ICAMES2007, Istanbul, May
MARLIN, PLOTTER
F.Longo, S.Poggi, D.Maritano
L.Pierferici,
D.Modula,
A.Riporto,
A.Manica



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

Port Security
Riga
D.Grippaldi,
M.Genova

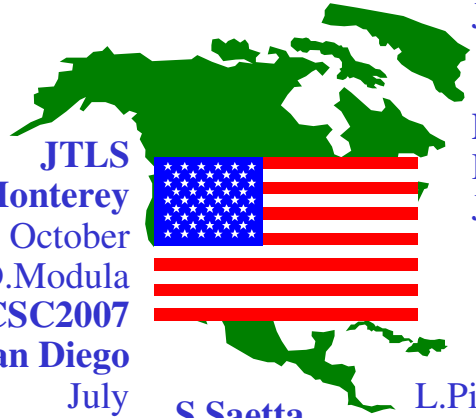
ITEC2007
Cologne
April,
E.Briano, L.
Pierfederici
D.Modula

M.Mazzarese
Dartmouth College
Julyl-August

PIOVRA
Rome, February.
M.Seck

PIOVRA
Paris, November
D.Modula

PIOVRA
Marseille, June
D.Modula,
L.Pierfederici



JTLS
Monterey
October
D.Modula
SCSC2007
San Diego
July
D.Modula

THE STATE UNIVERSITY OF NEW JERSEY
RUTGERS
D.Modula, L.Pierfederici
Rutgers University
Julyl-August

I/ITSEC
Orlando
L.Pierfederici

S.Saetta
University of Arizona
Julyl-August

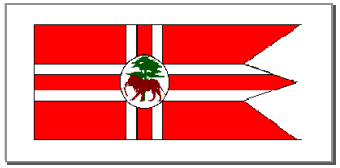
IMSM
Buenos Aires
February

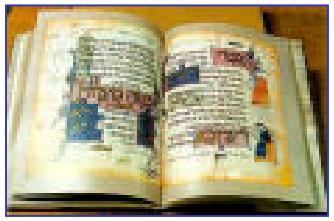
Liophant Simulation Libraries

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

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

Here are some examples of Books and Journals in the Liophant 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	Outsurcing	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 Compressione 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

In May 2003 Liophant Simulation established the Liophant 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

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 columinst). In 2006 Liophant won again, while in 2007 he classified 2nd.

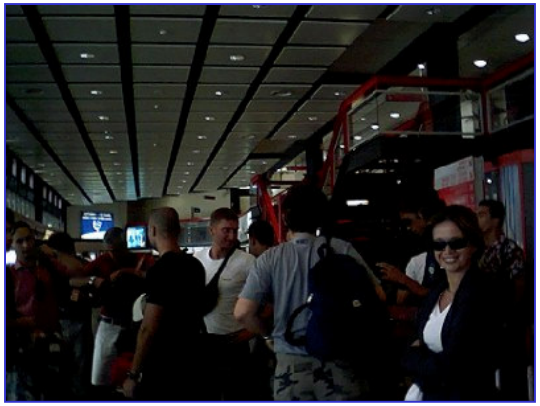
Liophant Football Team - Female Equipe

In May 2007 Liophant Simulation established the Female Equipe of the Liophant Football Team by students from Italian Universities

The Female Equipe lays the Foundation Stone on Savona Campus Football History in first Female Football CUP classifying its teams in 1st and 2nd Place

Liophant Members

- P. Acampora
- T. Agnesseens
- J.L.D. Alves
- Z. Andonov
- P. Armando
- S. Atzeni
- V. Ayra
- V.J. Bakman
- G. Berrino
- F. Bertolini
- F. Bertoni
- C. Bezzi
- A. Bina
- E. Blumel
- E. Bocca
- M. Brandolini
- BRB Studio
- C. Briano
- E. Briano
- A. Bruzzone
- G. Bruzzone
- C. Burlando
- M. Cantilli
- S. Capasso
- G. Capra
- A. Carbone
- D. Carini
- M. Casciarino
- M. Cerruto
- M. Ceruti
- F. Cilento
- G. Ciravegna
- A. Coppa
- S. Costa
- P. Costanzo
- G. Cotta
- E.G. Cuan
- G.G. Cunha
- DIP Consortium
- R. Danio
- S. Dasgupta
- F. De Felice
- E. De Michelis
- A. Devoti .
- G. Diglio
- D. Erba
- L. Ferro
- F. Figini
- E. Fracchia
- C. Frydman
- L.M. Gambardella
- M. Genovese
- G. Garassino
- S. Genta
- G. Gestro
- N. Giambiasi
- D. Hill
- R. Huntsinger
- H. Karatza
- A. Riza Kaylan
- E. Kindler
- M. Lagostena
- L. Landau
- P. Lorenz
- MAST
- E. Mantero
- M. Massei
- J. McLeod
- S. McLeod
- Y. Merkuriev
- G. Merkurieva
- MindRevolver.com
- Movimento Italiano Modellazione e Simulazione
- I. Molnar
- L.Montali
- S. Moretti
- M. Mosca
- L. Motta
- National Center for Simulation
- C. Neglia
- L. Novitzky
- G. Oran
- F. Paradiso
- L. Patrone
- L. Pelizzoni
- P. Perletto
- P. Petrova
- M.A.Piera
- S. Pozzi Cotto
- P. Proshkov
- S. Rapallo
- L. Rava`
- R. Revetria
- R. Rinaldi
- A. Rizzoli
- A. Rocca
- B. Roetto
- I. Sabuncuoglu
- S. Saetta
- G. Salmoiraghi
- A. Scopinich
- Scuola di Guerra - Esercito Italiano - Civitavecchia
- C. Scuteri
- O. Serindat
- R. Signorile
- S. Simeoni
- A. Shmits
- M.A. Sobrio
- G. Tani
- T. Taymaz
- F. Tonelli
- D. Traverso
- A. Tremori
- M. Tucci
- A. Ungaro
- G. Vano
- L. Vernazza
- S. Viazzi
- S. Viazzo
- G. Vigano`
- F. Vio
- M. Vita
- E. Williams .
- A. Zini



Liophant Simulation

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16145 Genova, Italy
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Fax +39 010 317 750
Email liophant@itim.unige.it
info@liophant.org

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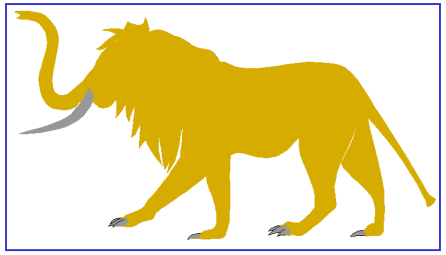
www.liophant.org

President: A.G. Bruzzone
Director: Chiara Briano
Tresaurer: Matteo Brandolini
Secretary: Alberto Devoti