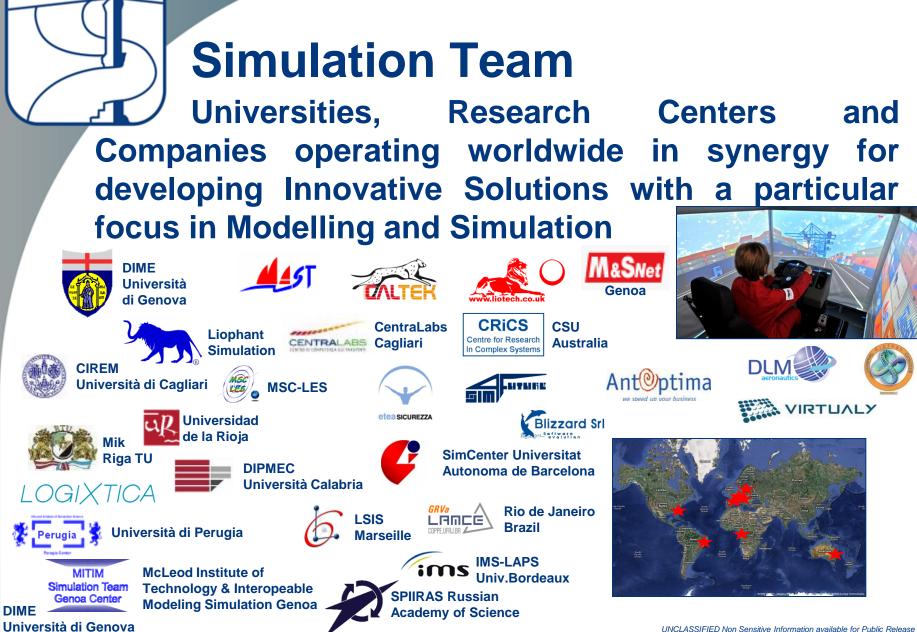


Team

Elysium

Experience with Lyceums by Simulation and Ultimate Modeling

Simulation Team, Genoa University & High Schools, 2016





McLeod Institute of Technology and M&S structure Technology and M&S Structure Control M&S Net Genoa Center

Email: agostino@itim.unige.it

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



The research group of DIME of *Genoa University* is active from '60 in Simulation applied to Industrial Engineering and is cooperating with M&S Net and MITIM The activities involve modeling, simulation, VV&A and analysis of Industrial Applications and Services (design, re-engineering, management, training etc.)

as: Chemical Facilities Harbor Terminals Manufacturing Public Transportation

The Department staff is in touch world-wide with the simulation community and is present actively to conferences, exhibitions and working meetings with the major Associations, Agencies and Companies. Power Plants Sustainability Assembling PM Defense Logistics



Simulation Team MITIM DIME

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



and Optimization





Università di Genova

OUPOND

LAMCE

EDA

Petrobras

Ford Motor

Oil Platform Simulation and Augmented Reality

Decision Support for

Country Reconstruction Activity Planning

New Production Line Design Based on Simulation

Members of MISS are appointed in several positions in simulation community such as: General Director M&S Net (34 M&S Centers Worldwide)

President Simulation Team (20 Centers Worldwide
 Associate Vice President of SCS and Chairman of Technical Chapter

Member of NATO SAS, MSG, and NIAG

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Ansaldo Energia

versalis

AEgis

Selex ES

DIME - University of Genoa

DIPTEM was founded in 1997 as evolution of the Institute of Technology and Industrial Management (ITIM) that was operative from '60.

In 2011 DIPTEM evolved in DIME and it is currently composed by about 80 faculty members, 15 technicians and administrative, plus several PhD Students, external Researchers and Consultants. DIME teachers are involved in Undergraduate, Postgraduate and Professional activities in Engineering, Management.





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



University of Genoa: an Overview

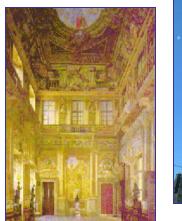
The University of Genoa is one of the oldest in Italy and in the World (founded in 1471 AD), it is located in middle of Italian Riviera. The students are about 40,000 (about 8,000 new entries), and the engineering departments has about 7,500 students (12% in Savona Branch Departments); in effect the Savona Campus Savona holds about 1,000 Engineering Students.

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

For further Information about the University of Genoa:



http://st.itim.unige.it http://www.unige.it







Partners & Spin-Off

Former Students and Researchers from MISS DIPTEM Simulation Team created over the years start up companies that currently cooperate in M&S (i.e. MAST srl, Cal-Tek srl, Virtuality, DLM, AntOptima, Etea, etc); these companies are devoted to drive Innovation to Success in a wide spectrum of Application for different Business Sectors, Companies, Corporations, Agencies, Societies and Governmental Services and to put *Modeling and Simulation* to work by creating Outstanding Solutions Essential to a Better, Safer, Healthier and Wealthier Life operating worldwide.



These Partners offer a wide range of innovative products and services for M&S markets including:

- Aerospace
- Defense
- Electronics
- Engineering
- Safety and Security
- Retail

Environment

etea sicurezza

- Logistics
- Service to the Society (nutrition, health care)
- Petrochemical
- Energy and Power
- Shipping & Transportation















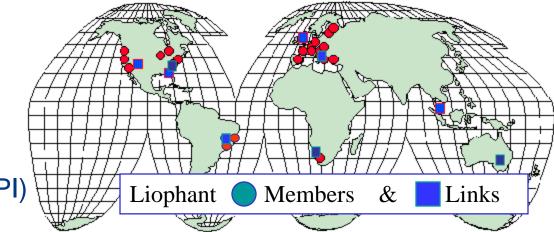
Liophant Simulation



Email info@liophant.org

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

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



www.liophant.org



The International Activity of Liophant Simulation 2014



The International Activity of Liophant Simulation 2015





Savona Campus & Facilities

📅 Università degli Studi di Genova

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

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





The campus holds Courses on Engineering, Communication Science, Medicine, Gyms, Economy and Education; new laboratories have been realised by different groups (Simulation Team Mobile Labs & HLA Lab, Combustion Lab, SIRE, CIMA Labs)





Campus Universitario di Savona

www.campus-savona.it SPES S.C.P.A.

industrial plant engineering and



MIPET Master Program (Master)

Master in Industrial Plant Engineering & Technologies www.itim.unige.it/mipet

The Master in Industrial Plants is a Master degree program organized in Genoa University focusing on preparing new generations of top quality technical experts for process engineering and power equipment supplier as well as construction contractor. Its main aim it is to satisfy the expectation from Leading Industries in term of high technical skills and excellence capabilities in Industrial Plants and Engineering. The Master Program is directed by Faculty of Engineering in strong cooperation with leader industries and major companies operating in these industrial sectors, this aspect guarantees the relevance and effectiveness of the initiative. In fact this project it is part of a large initiative devoted to develop excellence in Industrial Plant Engineering through the synergy between the expertise of Genoa University Engineering Faculty and Top Level Companies with long traditions that are leading this Area Nationally and Internationally in term of turnovers, size, processes and products complexity as well as know how and technical skills.



Università di Genova

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No Problems just Elegant Solutions



5000 Years ago stones of 4 tons were moved for 380 km and large blocks, up to 50 tons, from 30 km, located & stacked in order to construct the Site!



No Problems just Elegant Solutions



Biggest Pyramid was completed 2560 B.C. in ~20 years: 146m high, 230m base with 1.52 cm tolerance, based on 4tons stones & monoliths up to 80 tons 14'000 workers with peaks of 40'000 people





No Problems just Elegant Solutions



2010 a.C. Marina Bay Sands, Singapore, 150m height, 15'000 workers, 2 year construction time, 6.4 bUSD investment (including 1bUSD for the land), current profit 2.16 bUSD per year



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Intellectual Capital for Future of Engineering



Jack Welch (GE CEO 1981-2001 from \$14 billions market value to over \$410 billions): Globalization has changed us into a company that searches the world, not just to sell or to source, but to find Intellectual Capital: the World's Best Talents and Greatest Ideas



Scientists investigate that which already is; Engineers create that which has never been *Albert Einstein, Physics Nobel Price 1921*



The crisis pointed out by Media is very relative in terms of Geographic/Temporal Coordinates for Instance:

- Automotive Vehicles: +5% in Europe (~12.1 MVehicles), +6% in USA (~16.4 MVehicles), +12% in China (~18.3 Mvehicles) in 2014
- Shipbuilding:

Europe from 8% of World Market to 3% (-60%) in 10 years 2011: 200 Ship in Construction just in Shanghai Area

GDP 2013:



 China
 7.4%

 USA
 1.6%

 Russia
 1.3%

 India
 5.7%

 Brazil
 2.5%

 Vietnam
 5.3%

 World
 4.0%

Italy0.1%Qatar5.5%Angola5.6%Iraq4.2%Chile4.9%Malaysia4.4%

Germany0.5%Indonesia5.3%Nigeria6.5%



						_	
-	Com	mercial Vehicle Proc					
		intry		Vehicles	[%		
<u> </u>	US			306,131			
	Ch		_	86,715		_	
		nada ailand		5 <mark>36,629</mark> 532,987	61°		
			_		54°	_	
	Ind		_	373,421 241,481			
		exico enecia					
_	_	onesia jentina		152,851 90° 69,269 35°		_	
	Irai	azil		48,666	28	_	
		uth Africa		22,710	_	_	
12	30					•	
_	DI.	Car Product	ion .		2 Cars		
13 14	Rk 1	Country China		8,785		[9 1 30	
14	_	Unina India	_	1,439		78	_
10	_	South Korea	_		,445 .611	21	
17	_	Mexico	_		,549	49	_
18	_	Thailand			,343 ,314	139	_
19	_	Russia				_	%
20	_	USA		300	, 360 ,212	99	_
21	_	Slovakia		324	,224	56	_
22	_	Indonesia			,078	72	_
23		Czech Rep.		237	,728	25	_
24	11	Taiwan	_		,329	100	_
25	_	Argentina			,140	25	_
26		Romania			,500	41	_
27		Brazil		77,975		39	_
28	_	Others	_		,016	17	
29		Malaysia	_		,888,	5	
30		UK			,287	19	
31		Serbia			409	4	
32		Austria			,836	-1	_
33		Finland			,619	-83	_
34		Portugal			,507	-12	_
35	_	Netherlands			,223	-53	3%
36		Egypt			,605	-49	9%
37		Turkey			,907	-7	%
38		South Africa		-46	-	-14	1%
39	_	Uzbekistan		-50	,058	-28	5%
40	27	Slovenia		-53	,397	-30)%
	28	Sweden			,473	-35	5%
	29	Iran		-92	,870	-10)%
		Australia			,110	-38	3%
	31	Hungary	_		,919	-37	'%
		Germany		-143		-3	_
		Canada		-155		-13	3%
		Belgium		-172		-25	
		Italy			,404	-40)%
		Poland		-302		-38	6%
	37	Ukraine		-331	,112	-83	3%
		Spain		-403	,369		_
		France		-463		-22	_
		Japan		-1,373		-14	1%
		Total		10,343	,424	20	%
. 1							_



The crisis pointed out by Media is very relative in terms of Geographic/Temporal Coordinates for Instance:

• Automotive Vehicles: +7% in Europe (~12.9 MVehicles), +6% in USA (~17.4 MVehicles), +6% in China (~19.4 Mvehicles) in 2015

Shipbuilding:

Europe from 8% of World Market to 3% (-60%) in 10 years 2011: 200 Ship in Construction just in Shanghai Area

GDP 2014:



 China
 7.4%

 USA
 2.4%

 Russia
 0.5%

 India
 5.6%

 Brazil
 0.3%

 Vietnam
 5.5%

 World
 3.4%

Italy -	0.2%	Germany	1.4%
Qatar	6.5%	Indonesia	
Angola	3.9%	Nigeria	7.0%
Iraq -	0.5%	S.Leone	8.0%
Chile	2.0%	S.Sudan -	12.1%
Malaysia		Ethiopia	
	Turl	kmenistan	10.1%
		Congo	8.6%

		V					
	Com	mercial Vehicle Pro	, duct	ion 2008-:	2012		
		intry		Vehicles	[%]	
1			1,3	306,131	279		
2	Ch	ina		186,715	46	%	
3		nada	_	536,629			
_		ailand		532,987	54		
_	Ind			373,421	77		
_		xico	241,481		25		
7		onesia	152,851		90		
8		gentina	69,269		35		
9	Bra			48,666	79	_	
10				30,550	28		
		uth Africa				_	
12	30				9%	0	
_	DL.	Car Product	ion i			TO(-1	
13 14	_	Country			Cars 013		
-	_	China	_	8,785			
15	_	India Reuth Kenne	_	1,439		78%	_
16		South Korea	_		,611 549	219	_
17	_	Mexico	_		,549		
18	5	Thailand			,314	1399	_
19		Russia		499	,360	34%	-
20	_	USA			,212	9%	_
21		Slovakia	_		,224	56%	-
22	_	Indonesia		312	,078	72%	6
23	10	Czech Rep.		237	,728	25%	6
24	11	Taiwan		139	,329	1009	%
25	12	Argentina		98	,140	25%	6
26	13	Romania		95	,500	41%	6
27	14	Brazil		77	,975	3%	
28	15	Others		62	,016	17%	6
29	16	Malaysia		25	,888,	5%	
30	17	UK .		18,287		1%	,
31	18	Serbia		409		4%	
32	19	Austria		-1,836		-1%	5
33	_	Finland		-14,619		-83%	
34	_	Portugal		-16,507		-12%	-
-	_	Netherlands		-31,223		-53%	
36		Egypt			,605	-49%	_
37		Turkey			,907	-7%	
-	_	South Africa			,251	-149	
39	26	Uzbekistan		-50	058	-26%	-
40	_			-53	,397	-30%	-
- 4		Sweden			,473	-35%	-
┥	_	Iran			,473 ,870	-10%	-
	_	Australia		-107		-38%	-
			-	-107		-305	-
		Hungary			_	-3%	-
		Germany Conodo	_	-143	_		-
		Canada Balaium		-155		-139	
		Belgium		-172		-25%	-
		Italy B.L. I		-262		-40%	-
	_	Poland		-302	,000,	-36%	-
		Ukraine		-331	,112	-83%	
	_	Spain		-403		-219	-
	_	France		-463		-22%	-
	40	Japan		-1,373		-149	-
		Total		10,343	424	20%	6



Global 500 Companies in World

Ranking	Revenues		Profits		Previous Ranking
1 Wall Mart	472 GUSD	+2%	16.0 GUSD	-6%	2
2 R.D.Shell	460 GUSD	-5%	16.3 GUSD	-38%	1
3 Sinopec	457 GUSD	+7%	8.9 GUSD	+9%	4
4 China N.Petr.	432 GUSD	+6%	18.5 GUSD	+2%	5
5 Exxon	407 GUSD	-10%	32.5 GUSD	-27%	3
6 BP	396 GUSD	+2%	23.4 GUSD	+102%	6
7 State Grid	333 GUSD	+12%	7.9 GUSD	-35%	7
8 Volkswagen	261 GUSD	+6%	12.0 GUSD	-57%	9
9 Toyota Motor	256 GUSD	-4%	18.1 GUSD	+57%	8
10 Glencore	232 GUSD	+9%	-7.5 GUSD	-837%	12
22 ENI	154 GUSD	-8%	6.8 GUSD	-32%	17













TOP COMPANIES Worldwide 2013 (Fortune)



Global 500 Companies in World

Ranking	Revenues		Profits		Previous Ranking
1 Wall Mart	485 GUSD	+3%	16.4 GUSD	+2%	1
2 Sinopec	446 GUSD	-3%	5.1 GUSD	-42%	3
3 R.D.Shell	431 GUSD	-6%	14.8 GUSD	-9%	2
4 China N.Petr.	428 GUSD	0%	16.3 GUSD	-11%	4
5 Exxon	382 GUSD	-6%	32.5 GUSD	0%	5
6 BP	358 GUSD	-9%	3.7 GUSD	-83%	6
7 State Grid	339 GUSD	+1%	9.7 GUSD	+22%	7
8 Volkswagen	268 GUSD	+2%	14.5 GUSD	+ 20 %	8
9 Toyota Motor	247 GUSD	-3%	19.7 GUSD	+8%	9
10 Glencore	221 GUSD	-5%	2.3 GUSD	NA	10
25 ENI	147 GUSD	-4%	1.7 GUSD	- 75%	22













TOP COMPANIES Worldwide 2013 (Fortune)





In 2015: Uber, the world's Largest Taxi Company,...



Facebook, the most popular media owner,...

Alibaba, the most valuable retailer,...



Airbnb, the largest accomodation provider,...









creates no content



has no inventory





owns no real estate









... but you should be... smart... flexible... well prepared... motivated... hard worker... professional... reliable... etc.

They Came from the Outer World



Top Companies are used to accept CEO from Foreign Countries based on their capabilities, with an evident Globalization (2013)



PepsiCo, USA Revenues 65.5 bUSD Profits 6.2 bUSD Indra Nooyi, India





Coca-Cola, USA Revenues 48.1 bUSD Profits 9.0 bUSD Muhtar Kent, Turkey





Nissan, Japan Revenues 22.7 bUSD Profits 1.1 bUSD Carlos Ghosn, Brazil





Dior, France Revenues 40.9 bUSD Profits 1.9 bUSD Sidney Toledano, Marocco





Deutsche Bank, Germany Revenues 68.5 bUSD Profits 0.3 bUSD Anshu Jain, India





Tata Motors, India Revenues 34.5 bUSD Profits 1.8 bUSD Karl Slim, UK





New Locations... New Opportunities...





Freetown, Sierra Leone



Asunction, Paraguay



Ashgabat, Turkmenistan



Macau, China



...within a Challenging World





Kiev





Kobane





Human Capital is becoming Even

Engineering is providing an unique opportunity to improve the Capabilities and Understanding of high qualified people: Scientists, Researchers, Technicians and Engineers





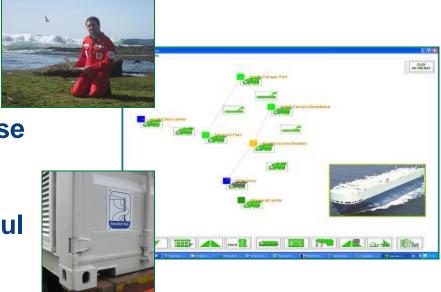
GreenLog Simulators



Simulation Team developed GreenLog Simulators for Analyzing Production, Logistics and Supply Chain.

GreenLog is a Web Based Simulation Engine devoted to evaluate Costs and Environmental Impacts of Productive, Logistics and Transportation Elements of the Supply Chain and Specific Modules have been developed for focusing on specific aspects:

- GreenLog Port
- GreenLog Ship
- GreenLog Crane
- GreenLog Warehouse
- GreenLog Train
- GreenLog Air
- GreenLog Heavy Haul







GreenLog is a web framework combining simulation and analysis techniques for self evaluating the Supply Chain efficiency in term of Costs, Quality and Environmental Impact.

The GreenLog was developed by Simula Team for supporting a Joint Venture on Green Logistics coordinated by Assologistica in cooperat with several major production, logistics and distribution companies operating in Italy





Interoperable Virtual Simulators

The Simulators developed by Simulation Team are an important support in Training both Operative Resources and Decision Makers. The Interoperability of our simulators is based on state of art standards (i.e. HLA High Level Architecture) and emphasize in addition to traditional stand-alone training in Operating, even Concurrent Cooperative Training in Operations and Policies; Simulation Team collect long experience in Professional and Executive Training.





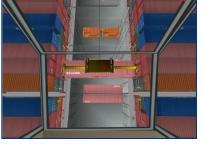




DIME Università di Genova

ST_PT & ST_RS Simulators



















Shelter & Facilities



ST_PT Crane Sim



ST_PT Truck Sim

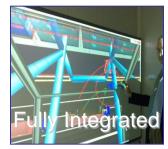
This new generation of simulator is mobile, realtime, scalable and interoperable and compliant with state of art technology and standards

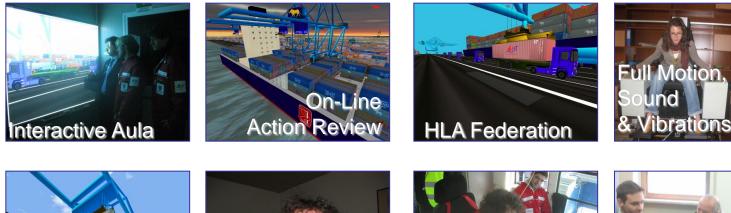
DIME

Atout of our Virtual Simulation











Training & R&D



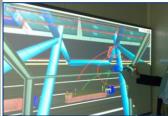




ST_VM: Virtual Marine



The ST-VM is the ultimate Marine Simulator developed by Simulation Team and includes many different Marine components, equipment and platforms as well as New Solutions for Terminal Design, Operator Training, Safety and Security, Procedure Definition, Equipment Design and Virtual Prototyping





a 40' High Cube Container ready to be used on site immediately after arrival.
 ST-VM Simulator allows to operate all the different Marine Devices in a Virtual World by an immersive Cours (270 %)

World by an immersive Cave (270 ° Horizontal and 150° Vertical), reproducing Sounds, Vibrations, Motion in all weather conditions

ST-VM is fully containerized real-time

distributed HLA Simulator reproducing

Port Operations. ST-VM is integrated in

ng ST-VM includes a Full-Scope Simulation for Training Operations & Procedures, an Integrated Class Room, the Instructor

Debriefing Room, and secondary Interoperable Simulators of different Marine equipment with other modules (i.e. Biomedical Module for Safety, Ergonomic and Posture Enhancement).

ST-VM World is customizable for each Platform, Port, Crane, Procedure and Equipment.





IDRASS Immersive Disaster Relief and Autonomous System Simulation



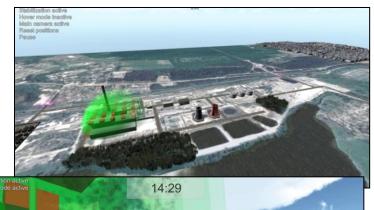
IDRASS (*Immersive Disaster Relief and Autonomous System Simulation*) is a MS2G (Modeling, interoperable Simulation &

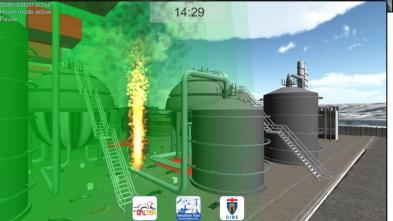
Serious Game) operating in multiple modes: standalone, federated in HLA, integrated through IoT (Internet of Things) to support Education and Training. IDRASS has been applied to different cases including Accidents in Industrial Facilities, Nuclear Plants, CBRN attacks,

anti-Terrorism, CWA and RDD. IDRASS is an interoperable real and fast time simulator.

RDD Radiological Dispersal Device CWA Chemical Weapon Agent DIME HLA High Level Architecture Università di Genova







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SIMCJOH VIS & VIC



Simulation of Multi Coalition Joint Operations involving Human Modeling



Virtual Interoperable Simulation & Virtual Interoperable Commander

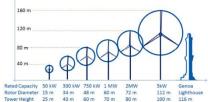
The SIMCJOH (Simulation of Multi Coalition Joint Operations Involving Human Modeling) is a MS2G (Modeling & Interoperable Simulation and Serious Game) project for Strategic Decision Making; SIMCJOH is lead by Genoa University and provides an HLA interoperable immersive framework for the Commander and his staff within critical decision making over Joint and MultiCoalitions scenarios, considering a strong impact of human factors Simulation Team VIS & VIC Models on

Population and Human Behavior represent the Solution of SIMCJOH Project. The experimentation allows to face issues related to strategic decision making in complex scenarios



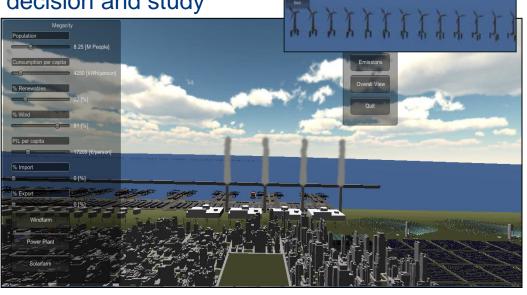






MEGACITY project is a MS2G (Model, Simulation & Serious Game) devoted to investigate scenarios of Megacities projected over 2030, with particular attention to energy, logistics and population demand & services. The simulator addresses environmental, technical and economic issues, in order to support decision and study

the scenario. A Smart Optimizer inside the simulator provides the user with effective proposals. MEGACITY provides a web immersive virtual framework for crowdsourcing devoted to inform and educate people. The immersive simulator is self Explaining the situation.





PEDES PEDEstrian Simulation

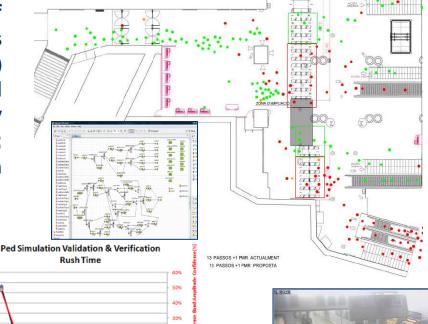


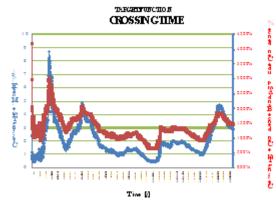
Simulation Team

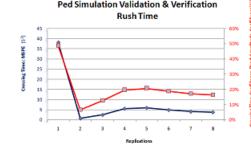


DLM

PEDES is Simulation of а flows pedestrian in mass transportation (i.e. underground) devoted to support functional analysis, safety and security design solution and analysis; **PEDES** is integrated with Human **Behavior Models**











Location: MOON

- Latitude: 26 08' 9.94"N
- Longitude: 3 34'40.34"E
- Elevation: -1828.8 m

Interoperable Simulation of a Protection solution based on ligHt Interceptor Tackler operating in Outer Space

IPHITOS Project is developed by a team of students from different Universities (Genoa, La Sapienza Rome, Pisa), members of Liophant and students in internship in MBDA and support from Telespazio. This project is devoted to create a federate for Smackdown the initiative, led by NASA & sponsored by several companies, devoted to diffuse and advance the HLA culture by creating a distributed HLA Federation of a Moon Base.



Università di Genova

IPHITOS federate is in charge of simulating small asteroids as threats for the Moon Base as well as a Safeguard Solution based on Interceptors, Sensors and Launchers





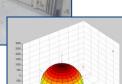
















PROMACO is an educational Role Play Game (RPG) introducing the concepts of Project Management to people without experience. The case is related to the organization of a Concert within a Town and the teams are required to prepare proposals including Work Breakdown Structure, Roadmap, Project Plan, Project Schedule, Project Budget, Risk Analysis and Contingency Planning

PROMACO

The participants should prepare a whole presentation in different languages summarizing the activity carried out for addressing this problem.



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CRitical Infrastructure Protection in Extended Maritime framework

Oil Rig Protection (ORP) is a virtual MS2G (Model, interoperable simulator & Serious Game) reproducing operations devoted to protect critical infrastructure at sea from multi domain threats.

The simulator reproduces use of traditional assets as well as innovative autonomous systems in reference to different potential targets including ports, terminals and Oil Rigs.

The Simulator could be used for training, education as well as for capability assessment, vulnerability reduction and procedure definition respect a wide spectrum of threats





St.Petersburg

Conclusions

The Simulation Team is acting at international level as a reference point between users and providers in simulation area.

The integration of experts, technicians is providing very good results on real case studies and complex projects.

An active area of development is related to distributed simulation and web-based modeling for extending the impact and exploitation of these proposed systems. Every year Simulation Team - MITIM DIME and Liophant organize major Conferences and International Workshops focusing on application of Modelling & Simulation.

For instance the I3M2015 was in Genoa, SummerSim2015 in Chicago; in 2014 I3M it was in Bordeaux, WAMS in Istanbul and Summersim in Toronto. There is a constant interest in fostering joint cooperation and exchanges with international Excellence Centers working on simulation. In 2016 Prof. Bruzzone will serve as General Chair of WAMS in Cagliari as well as of I3M in Cyprus: this last conference represent one of the major scientific event worldwide in simulation: i.e. the I3M2011 organized in Rome,

joint to CAX Forum, probably was the largest scientific event

in M&S worldwide, involving over 500 speakers from 56 countries and over 30 live demonstrations (including Distributed simulation connecting NASA, MIT and Genoa University)



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EMSS

Genoa

Bordeaux



Tampa

IMAACA

www.liophant.org/conferences Potential www.liophant.org/i3m **WISH** Cooperations MAACA

Simulation Team provides R&D/Scientific Opportunities such as:

- Conferences and Track Organization in event where the Simulation is Strongly Involved (i.e. SummerSim, I3M, WAMS, AMS, ect)
- **Exchanges for Senior and Young Scientists**
- Opportunity for Scientific Cooperations devoted to promote new developments in M&S
- **Developing new Standards and Procedures in M&S**
- Promoting M&S in Service of the Society
- Development of Networks of Excellence in M&S

Simulation Team is looking for Opportunities including:

- Activation of Innovative Simulation Projects
- Combining Simulation Team Solutions with Partner's Models as Options to be proposed to Sponsors during the Proposal Phase
- Include in Simulation Team Solutions Add-In from Partners as Option for Sponsors during the Proposal Phase
- Supporting Partners in future Proposal acting directly or as subcontractor and viceversa
- Receiving Support by Partner in future Proposal acting directly or as subcontractor



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References

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