

“McLeod Institute of Simulation Science Barcelona”

M.A. Piera

LOGISIM
Universitat Autònoma de Barcelona

Barcelona (Spain)

Goals

- **Promotion of the study, the application and the improvement of Industrial Automation techniques.**
- **Promotion of the cooperation among the University and the Industry.**
- **Promotion of the International relationships.**
- **Organization of Courses, Conferences, Congresses, Meetings, commissions of work and the elaboration of norms.**
- **Publication and Divuligation of norms, reports and monographs.**
- **Promotion of Laboratories and Teaching Centers.**

Web setup: <http://tes.uab.es/MISS>



Dirección <http://tes.uab.es/MISS> Ir Vínculos

MISS McLeod Institute of Simulation Science Spanish Center

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UAB

UPC

MISS Spanish Center

McLeod Institute for Simulation Sciences - Spanish Center

Dynamical System modeling and Simulation
Production and Logistic optimization
Decision support tools

Co-Director: Dr. Miquel Àngel Piera
Co-Director: Dr. Toni Guasch
Associated Director: Dr. Juan José Ramos

Julio 2006

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Master on Logistics and Supply Chain Management

134522-LLP-1-2007-1-ES-ERASMUS-ECDSP

During the period 2007 – 2010 the Msc was designed to fulfill industrial expectations
During the period 2011 – 2013 the Msc content was developed.
Period 2013 – 2014: The Msc has been launched.

- **European dimension**

- Student

- opportunity to develop international research/work activity
- will benefit from different academic traditions
- will benefit from different socio-cultural environments

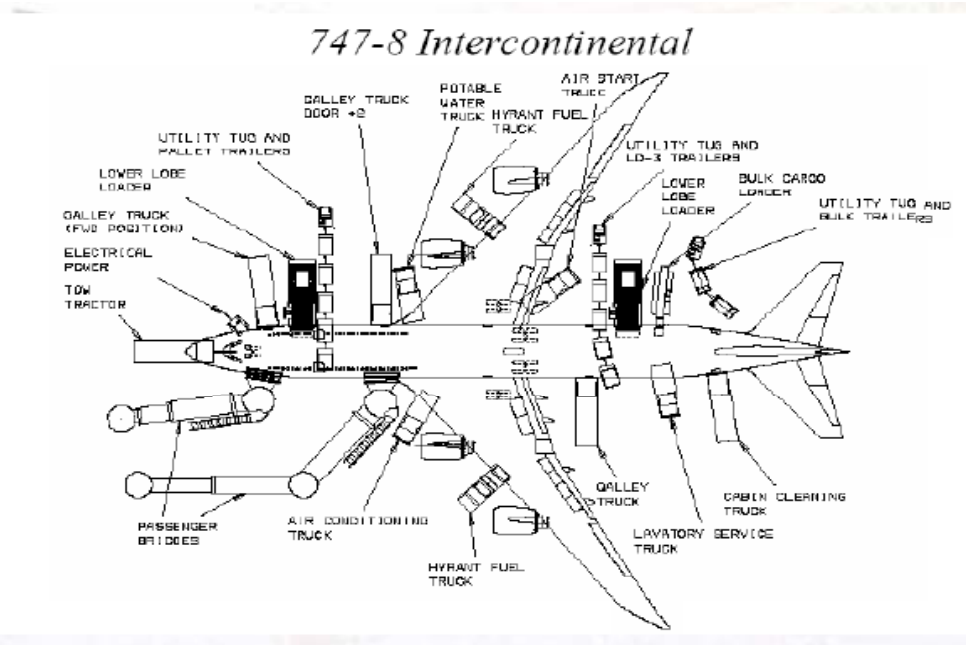
- Staff

- emphasize exiting ties among partners, education&research
- benefit from mobility among different academic environments

- Europe.

- Contribution to the implementation of the Bologna reform
- Use of ECTS and Diploma Supplement
- Developing of European citizenship
- Able to respond to European professional development needs (training in an international environment on transnational issues).
- Develops European citizenship and cultural understanding.
- The envisaged innovative programme may attract overseas students and encourage cooperation with non-European institutions.

European Official Msc on Aeronautical Management.



UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO

FACULTAD DE INGENIERÍA

MODELOS DE SIMULACIÓN USANDO SIMIO Y REDES PETRI

Coordinadora: **Idalia Flores de la Mota**

Jaume Figueras,

Antoni Guasch,

Miguel Antonio Mújica,

Mercedes Narciso,

Miquel Angel Piera

DIVISIÓN DE INGENIERÍA MECÁNICA E INDUSTRIAL

DEPARTAMENTO DE SISTEMAS

Modelos de simulación usando SIMIO y redes de Petri Idalia Flores de la Mota, (Coord.) J. Figueras, A. Guasch, M. A. Mújica, M. Narciso, M. A. Piera, México, Universidad Nacional Autónoma de México, Facultad de Ingeniería, 2013, pp.179.

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FACULTAD DE INGENIERÍA

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Impreso y hecho en México.

Cooperation with other MISS Research groups

Universidad Nacional Autónoma de Méjico:

- Faculty and Student Mobility

Riga-Technical University:

- Socrates-Erasmus Collaboration

Cooperation with other Research groups

FUPOL FP7 Project: Future Policy Modeling



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Consortium

Cellent AG
Xerox SAS
Fraunhofer IGD
City of Zagreb
Yantai IIC
BIT
ZIH
SSEI
UAB
EASY Connects
Active Solution
Interfusion Ltd

FUPOL consortium

The FUPOL consortium consists of 18 partners from 9 countries and comprises innovative multinational companies, leading research institutes, high-level political organizations as well as strong pilot partners. It has a good balance of research partners, IT-industry industrial, governmental partners and political cluster organizations capable to ensure wide-spread dissemination and exploitation. The project also has potential to generate a huge impact in Europe and beyond.

SHARE 

Language

Cooperation with other Research groups

TTrans FP7 Project: Enhancing the Transfer of ITS Innovations to the Market

T-TRANS *upbringing innovative ITS products and services to the market*

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Universitat Autònoma de
Barcelona

LGI Consulting

ATOS Spain SA

Fraunhofer CML

KEMA Nederland BV

Asociación Española de
Fabricantes de Equipos y
componentes de Automoción

Universita degli Studi di Trieste

INTELSpace Innovation
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A LA INNOVACIÓ
TECNOLÒGICA

Cooperation with other Research groups

Stream EuroControl Project:

2.5 STREAM

Title	STREAM: Strategic Trajectory de-confliction to Enable seamless Aircraft conflict Management.
Members	Advanced Logistics Group (ALG) (co), Boeing Research & Technology Europe (BR&TE), Universidad Aut3noma de Barcelona (UAB)
Summary	The STREAM project aims to investigate innovative strategic trajectory-de-confliction algorithms that can reduce the conflict management automation gap between the pre-departure and flight execution phases. The underlying concept is that of extending the NOP rolling-planning concept to separation management by means of a seamless conflict-management process that would run continuously from the strategic phase (pre-departure, collaborative design of the NOP) up to the execution one (automation-assisted, controller-driven conflict resolution). The project will define new metrics to evaluate the performance of such algorithms. In particular, a metric to measure the fairness of a trajectory de-confliction solution will be defined, in order to evaluate how fairly the cost penalties associated to the deviations from the original SBTs proposed by the de-confliction algorithms are distributed among airspace users.
HALA! Tutors:	Washington Ochieng (Imperial College), Thomas Feuerle (TU Braunschweig)
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