Master Program in Navigation and Related Applications in Torino

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Outline

1 – Why a Master on Global Navigation Satellite Systems (GNSS) ?

2 – Overview of the Master Program

3 – Details on the UN/Italy Fellowship Programme

4 – Conclusions





Why a Master on GNSS ?

- GALILEO will be the European Global Navigation Satellite System expected to be in operation in 2012
- Boost for research in the field in GNSS in Europe
- Skilled personnel required for the development and management of innovative navigation-related applications

need for educational programs on GNSS in Europe





A joint initiative on education

The Master is a joint initiative of

Politecnico di Torino



Istituto Superiore Mario Boella

with the cooperation of

INRIM Galileo Ferraris

and UN OOSA





United Nations

Office for Outer Space Affairs





Politecnico di Torino

- The oldest Technical University in Italy (founded in 1859)
- About 24.600 students:
 - 17.900 Engineering
- Staff:
 - 863 professors & researchers
- 4 faculties in engineering with 24 curricula and degrees.
- 2 faculties in architecture with 7 curricula and degrees.
 - 18 Departments
 - 35 Doctoral school curricula









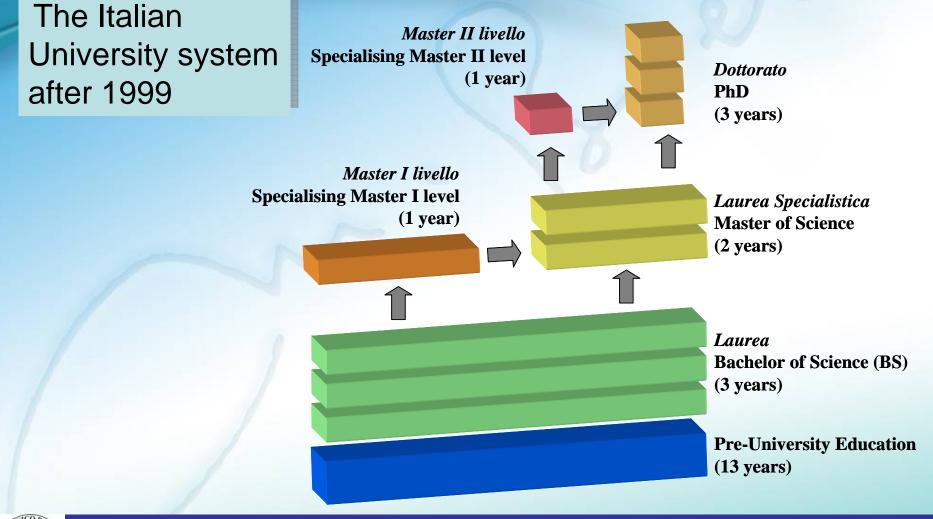
Istituto Superiore Mario Boella (ISMB)

- Non-profit research institute
- Mission: Empowerment of ICT research, high level training/education and business intelligence
- 8 Labs in partenrship with Politecnico
- Goals:
 - Promote a strong integration between ICT operators on highly innovative programs and projects
 - Achieve synergy between university and socioeconomic system





Structure of Education in Italy







Overview of the Master Program

Students with a 5-year university curriculum

Degree on:

Requirements for Admission

Information Technology

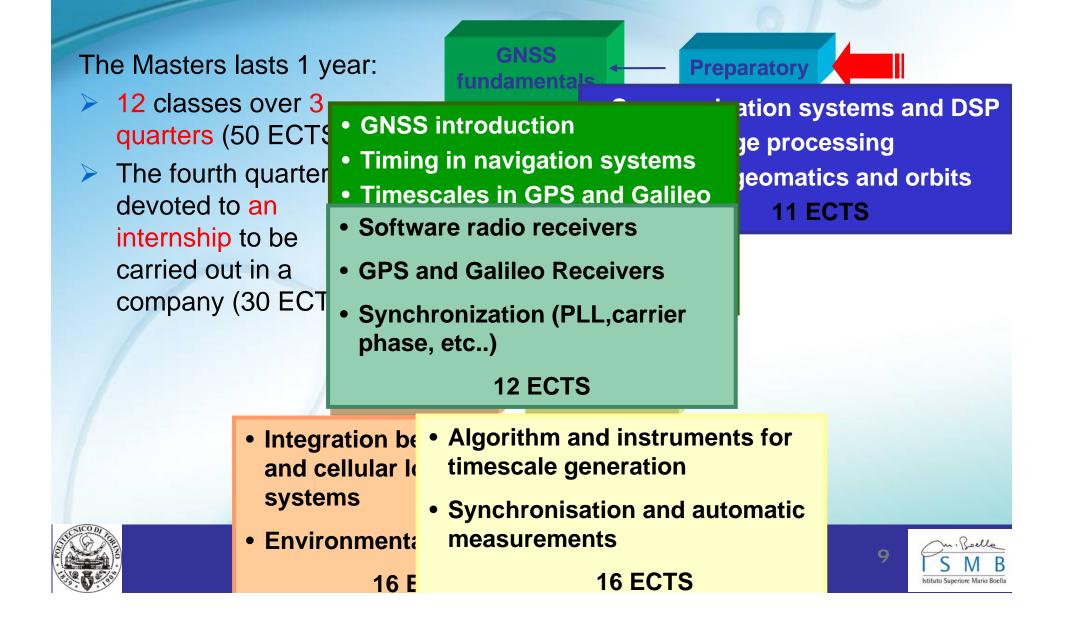
- Electronic Engineering
- Communications Engineering
- Aerospace Engineering
- Environmental Engineering

Good knowledge of English language





Overview of the Master Program



Details on UN/Italy Fellowship

"Istituto Superiore Mario Boella (ISMB) and Politecnico di Torino of Italy have established a Long Term Fellowship Programme which will provide scientists and specialists from developing countries with an opportunity to receive a Master Degree in Navigation and Related Applications."

United Nations Vienna, June 2004

The fellowship is therefore the possibility for **students selected by United Nations** to attend the Master





Details on UN/Italy Fellowship

The agreement among Politecnico di Torino, ISMB and UN-OOSA covers the following aspects:

The program of the courses has been prepared by the Mast Committee and discussed OOSA representa The The The Master

The Masters programme has been promoted through organised with the co-operation of officers of UN-OOSA are selected yearly by UN through the UN Regional Educational

Centres





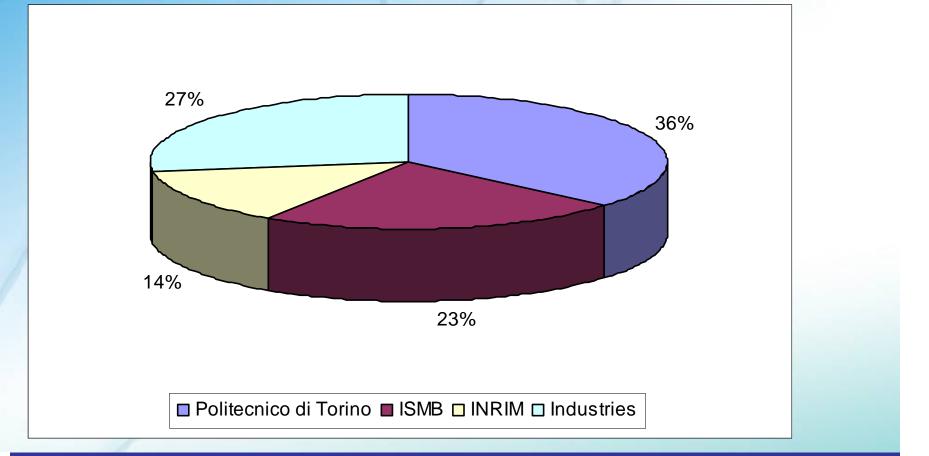
The academia-industry interaction

But also industries and international bodies contribute to the Master with scholarships, lessons, and seminars:



The academia-industry interaction

Teachers' affiliation







The first three editions

UN/ISMB Project

Country	Students/ Edition	
Pakistan	2/1,3	
Sri Lanka	1/1	
Jordan	1/1	
Ghana	1/1	
Iran	1/2	
Algeria	1/2	
Nigeria	2/1,2	
Georgia	1/3	
Vietnam	1/3	
Mexico	1/3	

ALPIP	Project		
Country	Students/ Edition		
Argentina	1/1		
Brazil	1/1		
Ecuador	1/1		
Mexico	1/2		
Colombia	1/3		
JEAGAL Project			
Country	Students/		
	Edition		
China	6/2		
Vietnam	4/2		

ASIAN Project			
Country		Students/	
		Editio	on
In	donesia	1/1	
V	/ietnam	1/1	

National funds			
Country	Students/ Edition		
France	2		
Italy	13/1,2,3		

14





Final comments

- Students actively participate to the course activities
- Seminars offered by industries and international bodies were enthusiastically welcome by the students
- Students obtained good results in their examinations
- Students coming from so different countries and cultures succeeded in interact and integrate their experience with very positive results in intellectual and cultural exchanges
- About all the graduated students are now working in the field





Information on:

http://didattica.polito.it/master/navigation

http://www.oosa.univienna.org

Email to:

Master.universitari@polito.it









