



# Master's program in Information Systems

FRB-CBU  
Oulu 22.-23.3.2007

# Partner presentation

Nominated in Petrozavodsk meeting 11/2006

- 1) **Master's program partner Universities:** UOulu and PomorSU, PetrSU  
**associated partner Universities :** KSPU, MSTU
  
- 2) **Steering group:**  
UOulu: Kari Pankkonen, Jouni Similä,  
PomorSU: Ludmina Haimina, Natalia Didkovskaya  
KSPU: Andrei Ahayan, Svetlana Markelova,  
MSTU: Vladimir Sereda  
PetrSU : to be nominated
  
- 3) **Academic coordinators:**  
UOulu: Kari Pankkonen  
KSPU: Svetlana Markelova  
PomorSU: Ludmina Haimina  
MSTU: to be nominated  
PetrSU: to be nominated

# Review of the program

- ✓ Current situation is mostly based on discussions and decisions made in Petrozavodsk meeting November 2006
- ✓ One addition in University partners (PetrSU)
- ✓ Associate partners remain the same
- ✓ Structure of the Master's program is at the moment based on Curriculum of Information Processing Science at UOulu
- ✓ There is need to go further
  - ✓ Concrete objectives, content and implementation plan of the Master's program
- ✓ Need to integrate the program into international Master degree studies at Department of Information Processing Science (UOulu)
- ✓ New idea for focusing the ICT program to *Global Software Development program* to be discussed more deeply on working group Friday 23th of March

# Next steps

- Joint understanding on the goals and content of the program, first step in working group meeting 23th of March
- Awarding degrees for foreign students
- Role of the ICT program in the FRB-CBU framework
- Necessary administrative actions at collaborating universities and their units
- Applying financial resources for the project
- The **E**uropean **N**eighbourhood and **P**artnership **I**nstrument etc.
  - [http://ec.europa.eu/world/enp/index\\_en.htm](http://ec.europa.eu/world/enp/index_en.htm)
- Plan for student and academic staff exchange
- Start developing joint courses for collaborative studies
- Working in stages towards Joint Curriculum/ Dual Degree

# Educational goals

- ✓ Changes take place first inside the Information and Communication Technology (ICT) industries.
- ✓ Demands on Competitiveness in Europe
- ✓ New funding is used to develop new courses and convert existing course materials suitable for exchange (English language, digital contents, videoconference formats, etc.).
- ✓ Each university benefits from the cooperation because it opens them new opportunities for teaching
- ✓ But does not restrict their freedom or tie up resources except joint planning and coordination.

# Curriculum Structure

preliminary contents for workgroup discussions

## Master's of Science degree in Information Systems, 120 ECTS

<b>Mandatory studies:</b>	<b>95</b>	<b>Optional study modules (specialization studies in one of the topics )</b>	<b>25</b>
<b><u>Information systems studies:</u></b>	<b>41</b>	<b>1) Mobile Services (UOulu) 2) Global Software Development (UOulu) 3) Legislation inc. IPR (ULapland) 4) Environmental Technology (UOulu)</b>	
- <b>Object oriented analysis and design</b>			
- <b>Interaction Design</b>			
- <b>Information Systems Design</b>			
- <b>Information Systems Design Methods</b>			
- <b>Web Information Systems Design</b>		<b>5) Information Systems and Technology (PomorSU)</b>	
- <b>Data Base Systems</b>		<b>6) Theory and Technology of distance pedagogical interaction (KSPU)</b>	
- <b>Information Systems Theory</b>		<b>7) Information technologies and Information Security (MSTU)</b>	
<b>Project II and Project Seminar</b>	<b>14</b>		
<b>Research Methods</b>	<b>5</b>		
<b>Master's Thesis &amp; Research Seminar</b>	<b>35</b>		

Single mandatory/optional courses can be replaced by corresponding courses from partners university.

Project II can be done at partner University or as joint project (international student group)

# Master's Program in Informational Systems

## Mandatory Courses : Information systems 56 ECTS

- Project II 14 ECTS, Research methods 5 ECTS, Pro gradu thesis 35 ECTS, Research seminar 2 ECTS

## Optional modules: University of Oulu

### 1) Information Systems Module (25ECTS), set of the following courses

- Object oriented analysis and design, User interaction design, Information systems design, Web Information systems design, Data base systems, Information systems design methods, Information systems theory

### 2) Mobile Services Module (25 ECTS)

### 3) Global Software Development Module (25 ECTS)

### 3) Environmental Technology Module (25 ECTS)

## University of Lapland

### 5) Legislation Module (5-10 ECTS)

## Russian Universities

**PSU:** Information Security (22ECTS), Special modules (10 ECTS) Information Systems and Technology

**KSPU:** “Theory and Technology of distance pedagogical interaction”

**MSTU:** “Informatics and computer engineering”

**PetrSU:**

**Summary a combination of the modules above, 120 ECTS (= two years studies)**

**Bridging and Orientation studies in the beginning less than 60 ECTS (= one years studies)**

**Focusing the program with one optional module or as a combination of them**



# FLEXI PARTNER OVERVIEW

## Application partners

## Technology partners

Spain		Telefonica DS2 Innovalia	Indutraux 	ESI European Software Institute tecnalia	 SOFTWARE QUALITY SYSTEMS		
Netherlands				LaQuSo	Univ. of Utrecht		
Finland		 BE SURE.	 CONNECTING PEOPLE	 WWW.HANTRO.COM	Nethawk		
Sweden			 TAKING YOU FORWARD	IT-Univ. Gothenburg			
Norway		 Deliver Actionable Insight Now		Kongsberg Spacetec			
Belgium							
France				INRIA ROCQUINCOURT			IMAG
Israel				Pozitive	Opcat	Comverse	

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ITEA-FLEXI: 288 py, 8 countries, 37 partners





# Contact info

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