

Doctoral School towards European Knowledge Society -

DEUKS

Tempus JEP_41099_2006

Silvia Ghilezan

Project coordinator

Faculty of Technical Sciences University Novi Sad



Education and Culture

Tempus



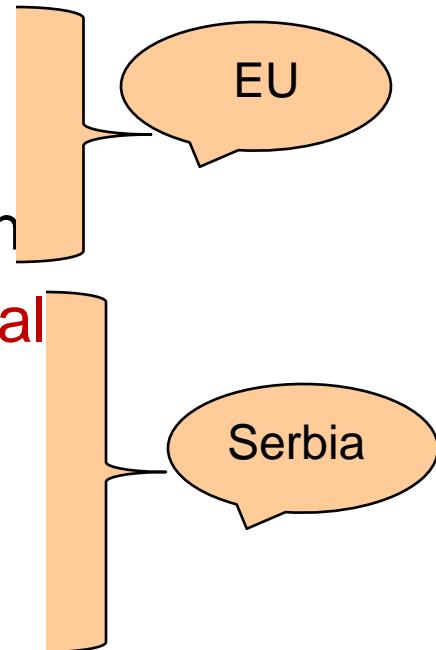
Objectives of DEUKS (2007-...)

- To **promote** the current European landscape of doctoral programmes in Serbia;
- To **implement** a pilot Doctoral Programme according to the European innovative recommendations with comprehensive approach to information technologies, where foundational theories are fully integrated in a pragmatic engineering approach.

Doctoral education (third cycle) markedly different-
linking ERA and EHEA
two pillars of the modern society

Consortium members **DEUKS**

- University of Udine, Italy – *grant holder*
- INRIA Sophia Antipolis, France
- Polytechnical University of Valencia, Spain
- University of Novi Sad, Faculty of Technical Sciences, Serbia - *coordinator*
- Mathematical Institute – SANU, Belgrade,
- University of Novi Pazar
- Prof. P. Lescanne, ENS de Lyon, France
- Prof. P. Urzyczyn, University of Warsaw, Poland



Outputs and Outcomes **DEUKS**

- I. Coherent system of doctoral programmes promoted
- II. Pilot doctoral programme developed
- III. Teaching methods improved
- IV. Research environment built
- v. Dissemination and sustainability

<http://cms.ns.ac.yu/deuks>



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DEUKS

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Outcomes

- [Coherent system of Doctoral Programmes Promoted](#)
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Sites' Activities

News

May 2008, Training

Main

Deuks

Welcome to DEUKS

Doctoral School towards European Knowledge Society, Tempus Project JEP - 41099 - 2006

Main aim of this Project is to promote the current European landscape of doctoral programmes in Serbia.

Particularly, the Project will develop and implement a pilot Doctoral Programme according to the European innovative recommendations with comprehensive approach to information technologies, where foundational theories are fully integrated in a pragmatic engineering approach.

Two more specific goals of the project are: to develop new teaching methods and materials for core courses, trainings in transferable skills, and continuing education, as well as to build a research environment for the Doctoral School linking the EHEA and ERA.

All our aims will be achieved with the help of the Consortium Members:

[UNIVERSITA DEGLI STUDI DI UDINE \(I\)](#) - Prof. Marina Lenisa (grantholder)

[UNIVERSITY OF NOVI SAD \(RS\)](#) - Prof. Silvia Ghilezan (co-ordinator)

[INSTITUT NATIONAL DE RECHERCHES EN INFORMATIQUE ET EN AUTOMATIQUE - Sophia Antipolis \(FR\)](#) - Prof. Luigi Liquori

[MATHEMATICAL INSTITUTE OF THE SERBIAN ACADEMY OF SCIENCE AND ARTS - Belgrade \(RS\)](#) - Prof. Zoran Ognjanović

[UNIVERSIDAD POLITECNICA DE VALENCIA - Valencia \(ES\)](#) - Prof. Salvador Lucas

We will have help from Individual experts:

[Pierre Lescanne, Ecole Normale Supérieure de Lyon](#) and

Done

FoxyProxy: Default

Adblock

I outcome

Coherent System of Doctoral Programmes Promoted

- Comparative analysis of PhD programmes in RS and EU
- European University Association (EUA) <http://www.eua.be>:
 - Doctoral Programmes for the European Knowledge Society
Results of EUA Doctoral Programmes Project, 2005.
 - Doctoral Programmes in Europe's Universities: Achievements and Challenges, 2007.
- Questionnaire – analysis and comparison of doctoral programmes in IT in EU and RS
- Dossier (report) published 2009 - presented at TREND

Doctoral Education –
a Road Towards European Knowledge
Society

Doctoral Education

a Road Towards European Knowledge Society

Doktorsko obrazovanje

put ka Evropskom društvu znanja



II outcome

Pilot doctoral programme developed DEUKS

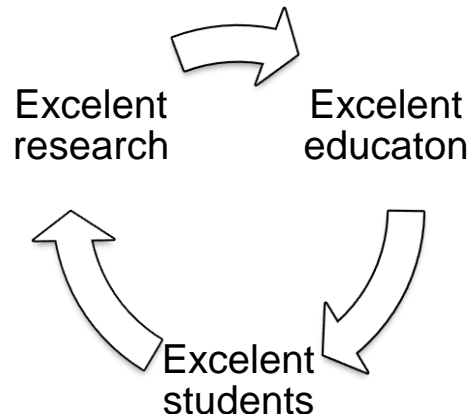
FTN-UNS Joint PhD Programme with MI SANU

- Doctoral Programme *Applied Mathematics* has been accredited in May 2008 -(the first round)
 - Institutes eligible - Law of Higher Education 2005
 - MI SANU list of new courses –approved #####
 - October 2008 starting date of the joint programme
 - Digitization of Cultural Heritage – new track (Z.Ognjanović)
- Bringing together researchers and students from different areas

EUA – Council Doctoral Education

“Excellence breeds excellence”

- National projects - 6 out of 40 (top ranking) in 2008 over 100 publications M21, M22, M23
- 3 FP 6 – TYPES, ADHOCSIS, SWEB
- CEEPUS – Austria, Hungary, Croatia
- International: France, Japan, Italy, Sweden, Slovenia



IV outcome

Research environment built

- Involvement into research groups - seminars
(link between EHEA and ERA)
- Training of students – 3 months mobility
 - 2 UNS, MI-SANU students - Udine
 - 2 UNS, MI-SANU students - Valencia
 - 2 UNS, MI-SANU students - Nice
- Summer school –

**Foundation of Information
Technologies – FIT**

FIT summer school Novi Sad June 14-27, 2009

Welcome to FIT – DEUKS

<http://cms.uns.ac.rs/fit2009>

The Summer School on Foundations of Information Technologies, FIT,

will be held in Novi Sad, in Serbia, between June 14 and June 27, 2009. It will offer a number of PhD courses for all the students, from Serbia and abroad, interested in this field. In addition to the lectures on selected topics related to the theory and applications of Information technologies, students will have an opportunity to work in small teams on specific scientific assignments. Such an approach supports the main idea of modern doctoral education – training for research by doing research.

The organizer of FIT is The Chair of Mathematics, Faculty of Technical Sciences in Novi Sad. The FIT Summer School is supported by the TEMPUS Programme through the Project "Doctoral School towards European Knowledge Society – DEUKS". All the partner institutions in the DEUKS Project are giving valuable contribution to the Summer School, ensuring its high scientific and educational quality. The lecturers are professors from Università degli Studi di Udine, Italy, Universidad Politécnica de Valencia, Spain, and INRIA Sophia Antipolis, France.

Tempus project DEUKS aims at promotion of the current European landscape of doctoral education in Serbia. The developed and implemented Pilot Doctoral Programme in information technologies at the Faculty of Technical Sciences in Novi Sad, jointly ran with the Mathematical institute, SANU, Belgrade, strongly relies on the European innovative recommendations and improved and new teaching methods. Summer School FIT is an important step on the way towards modern and efficient doctoral education in Serbia, and our further integration into the European knowledge society.



Important dates

Deadline for applications: **May 15, 2009**

Opening: **June 14, 2009**

Closing: **June 27, 2009**

Contact

Jelena Ivetić

FIT Organizing Committee
Faculty of Technical Sciences
University of Novi Sad
Trg Dositeja Obradovica 6
21000 Novi Sad
Serbia

Mail: fit2009@imft.ftn.ns.ac.yu
Tel/Fax: +381 21 6350 770

<http://cms.ns.ac.yu/fit2009>



Published/Printed by
Graphic Center GRID
Faculty of Technical Sciences
Trg Dositeja Obradovica 6
21000 Novi Sad, Serbia



University of Novi Sad



Faculty of Technical Sciences
Novi Sad



Mathematical Institute
Serbian Academy of Sciences and Arts,
Belgrade



DEUKS
Tempus Project
JEP - 41099 - 2006

Summer School on

**Foundations of Information
Technologies**

FIT

June 14-27, 2009.

Novi Sad, Serbia

Future educational collaboration

- Joint Doctoral Programme
“Science of Information Technologies” –
Udine, Valencia, INRIA-Nice, Novi Sad, MI-SANU Belgrade.
- Tracks: Global Computing, Image Processing,
Digitization of Cultural Heritage, Cryptology and
Information Security, Bioinformatics, Automatic Software
Verification.
- Museum of Computer Science – education of
professional staff (digitization of heritage).

FIT summer school Novi Sad June 14-27, 2009

Welcome to FIT - DEUKS

Scientific Committee

Marina Lenisa,
Università degli Studi di Udine, Italy (*co-chair*)
Luigi Liquori
INRIA Sophia Antipolis, France
Salvador Lucas,
Universidad Politécnica de Valencia, Spain
Silvia Ghilezan,
University of Novi Sad, Serbia (*co-chair*)
Jovanka Pantović,
University of Novi Sad, Serbia
Mila Stojaković,
University of Novi Sad, Serbia
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Mathematical Institute SANU, Belgrade, Serbia
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Vladimir Čurić,
University of Novi Sad
Bojan Marinković,
Mathematical Institute SANU, Belgrade
Petar Maksimović,
Mathematical Institute SANU, Belgrade
Stefana Janićijević,
Mathematical Institute SANU, Belgrade
Stefana Janićijević,
Mathematical Institute SANU, Belgrade

Lecturers and Courses

Prof. Gian Luca Foresti,
Università degli Studi di Udine, Italy,

Artificial Vision

Prof. Roberto Ranon,
Università degli Studi di Udine, Italy,

Interactive 3D Graphics

Prof. Pietro Di Gianantonio,
Università degli Studi di Udine, Italy

Prof. Furio Honsel,
Università degli Studi di Udine, Italy

Semantics of Programming Languages: I

Prof. Salvador Lucas,
Universidad Politécnica de Valencia, Spain

Introduction to Term Rewriting: Techniques and Applications

Prof. Marina Lenisa,
Università degli Studi di Udine, Italy,

Prof. Ivan Scagnetto,
Università degli Studi di Udine, Italy,

Concurrent and global computing

Prof. Luigi Liquori,
INRIA Sophia Antipolis, France

Overlay and P2P networks

How to apply

Send an e-mail to fit2009@imft.ftn.ns.ac.yu providing your name, address, institution, and level of studies.

A **Recommendation letter** written and signed by your scientific supervisor is required. It can be sent by e-mail.

There is no fee for the lectures. Costs of accommodation and meals are to be covered by participants. Accommodation in a student dormitory and meals in a student restaurant can be organized upon request.

Each of the 6 listed summer school courses consists of

- 6 hours of lectures,
- 6 hours of individual research, and
- final presentation of the results at the Students' Presentation session, which will be organized on Friday, June 26.

Each participant can take all the courses. A **certificate of an accomplished Ph.D. course** will be issued to the students who successfully fulfill the requirements of any two of the offered six courses.

On **Sunday, June 21 2009**, all the participants are invited to join an excursion to the beautiful environment of the archeological locality **Viminacium**.

<http://www.viminacium.org.yu/>



6. 14 - 27. 2009