Szeged – Novi Sad Winter School on

Non-Standard Forms of Teaching Mathematics and Physics:
Experimental and Modeling Approach

Call for participation

A very important basis of intellectual and economic development is the improvement of creativity, problem solving abilities and applicable scientific knowledge. An essential element of them is the effective use of computational tools and methods both in research and at any level of teaching.

Within the new - third - IPA program supported by the European Union, we develop joint educational programmes at the University of Szeged and University of Novi Sad. Two intensive schools are being organised in winter of 2015, in both Szeged and Novi Sad (3 days, 24 teaching hours in each). The schools in Szeged and Novi Sad are independent, but they will complement each other. It is possible to register for only one of them, but we recommend taking part on both.

The planned time of the schools:

- Szeged: Jan. 30, 2015 – Feb. 1, 2015 (Friday-Sunday)
- Novi Sad: Feb. 6, 2015 – Feb. 8, 2015 (Friday-Sunday)

Who are welcome?

We welcome PhD students, researchers, high school teachers and students from our neighbourhood on any sides of the borders who work in mathematics, physics or other sciences. Talented undergraduate students may also apply with the recommendation of their supervisors.

Language

In Szeged: Hungarian and English, in Novi Sad: Serbian and English.

Groups

Depending on the number of participants, we organize different groups for researchers and PhD students as well as for teachers and their students.

Conditions

- Participation is free, participants will receive course materials.
- We have limited possibilities to support accommodation in student hostels. Participants from the other side of the border and participants invited by their results on competitions are of high priority. Travel costs are covered by the participants.
- We ask the participants to give seminar at their workplaces or schools for their colleagues and/or students from the subjects they studied on the courses. A report should be prepared from this presentation, illustrated with photographs, which will appear on the website of the project.

Programme of the schools

The courses will concern interesting topics, modelling problems and tools in Mathematics and Physics, applications in several areas of sciences in such a way that it will be enjoyable also everyone as well.

The participants will learn some parts of the following fields: signal processing and computer-aided measuring techniques; mobile tools and dynamic modelling in teaching Math; computer-aided study of physical, and biological-chemical models, geometrical structures ...

For participating teachers, we emphasize the didactic aspects of these techniques.
The courses will be held in computer rooms. The participants will study the topics via practical examples.

**Accreditation**
Accreditation as a PHD course is in progress.

**Information, WWW:**
- **Szeged:** www.model.u-szeged.hu
- **Novi Sad:** www.dmi.uns.ac.rs/ipa

**Contact**

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