

# Mathematics and Computer-Aided Modeling in Sciences Intensive School –Novi Sad

## Preliminary

### Program for PHD students- English language

Time	Friday, 05/27/2011
9:00 – 11:00	<b>Registration</b>
11:00 – 11:30	<b>Opening Ceremony – Dean</b>
11:30 – 12:00	<b>Prof. A. Takači, Prof. J. Karsai, <i>Summary of the project activities</i></b>
12:00 – 12:30	<b>Closing of the competition Student presentation by Danka Lučić, Mario Varga, Vidak Raičević</b>
12:30 – 13:30	<b>Cocktail</b>
13:30 – 14:15	Academician <b>Teodor Atanacković</b> , Academician <b>Stevan Pilipović</b> <b><i>Fractional calculus</i></b>
14:15 – 15:00	Professor <b>Arpad Takači</b> <b><i>Mathematical models</i></b>
15:00 – 15:45	Professor <b>Dragan Mašulović</b> <b><i>Mathematical models in chemistry</i></b>
15:45 – 16:15	<b>Coffee break</b>
16:15 – 17:45	Professor <b>Janos Karsai</b> <b>Some applications of impulsive systems</b>
17:45 – 19:15	Professor <b>Boda Krisztina</b> <b>Some experiences using multivariate modeling methods en paediatric aneasthesia</b>

Time	Saturday, 05/28/2011
9:00 – 10:30	Academician <b>Stevan Pilipović</b> <i>Delta distribution, one of the basic notions of modern analysis</i>
10:30 – 11:00	<b>Coffee break</b>
11:00 – 12:30	Professor <b>Marko Nedeljkov</b> <i>Some physical examples</i>
12:30 – 13:30	Professor <b>Vesna Jevremović</b> <i>Mathematical Modeling</i>
13:30 – 14:30	<b>Lunch</b>
14:30 – 15:30	Professor <b>Đurđica Takači</b> On the visualizations of generalized functions
15:30 – 16:30	Assistant Professor <b>Zlatko Udovičić</b> <i>Approximations by cardinal B-splines</i>
16:30 – 17:00	<b>Coffee break</b>
17:00 – 18:00	Professor <b>Danijela Rajter-Ćirić</b> <i>On the probability and stochastic models</i>
18:00 – 19:30	Meeting of the Serbian Mathematical Society-Novi Sad New approach

Time	Sunday, 29.11.2010
9:00 – 10:30	Professor Branimir Šešelja <i>Fuzzy sets and logic with applications in natural sciences I</i>
10:30 – 11:00	<b>Coffe braek and snack</b>
11:00 – 12:30	Professor Andreja Tepavčević <i>Fuzzy sets and logic with applications in natural sciences II</i>
12:30 – 13:30	Assistant professor Srđan Škrbić <i>Mathematical background of relational data model</i>
13:30 – 14:30	Professor Arpad Takači <i>Trafic flow</i>
14:30 – 15:30	<b>Buffet Lunch at DMI</b>
15:30 – 16:30	<b>Round table and closing of the School</b>

**Preliminarni program**  
**obaveznog akreditovanog seminara broj 051**  
**za nastavnike matematike**  
**pod nazivom**  
**„Nastava matematike i statistike u prirodnim naukama**  
**modeliranjem pomoću računara”**

<b>Vreme</b>	<b>Petak, 27.05.2011</b>
9:00 – 11:00	<b>Registracija, Upoznavanje sa sadržajem rada</b>
11:00 – 11:30	<b>Otvaranje Škole</b>
11:30 – 12:00	Profesor <b>Arpad Takači</b> , Profesor <b>Janoš Karšai</b> <b>Pregled dosadašnjeg rada na projektu</b>
12:00 – 12:30	Završetak takmičenja, podela nagrada učesnicima Izlaganje nagrađenog učenika <b>Vidaka Raičevića</b>
12:30 – 13:30	<i>Koktel</i>
13:30 – 14:15	Akademik <b>Teodor Atanacković</b> , Akademik <b>Stevan Pilipović</b> <b>Frakcioni račun</b>
14:15 – 15:00	Profesor <b>Arpad Takači</b> <b>Izabrani matematički modeli</b>
15:00 – 15:45	Profesor <b>Dragan Mašulović</b> <b>Matematički modeli u hemiji</b>
15:45 – 16:15	<i>Pauza za kafu</i>
16:15 – 17:45	Profesor <b>Šešelja Branimir</b> <b>Rasplinuti skupovi u nastavi I</b>
17:45 – 19:15	Profesor <b>Andreja Tepavčević</b> <b>Rasplinuti skupovi u nastavi II</b>

<b>Vreme</b>	<b>Subota, 28.05.2010</b>
8:00 – 10:00	Profesor <b>Djurdjica Takači</b> <b>GeoGebra u nastavi matematike</b>
8:00 – 10:00	Profesor <b>Doru Paunescu (Rumunija)</b> <b>GeoGebra u nastavi geometrije</b>
10:00 – 10:30	<i>Pauza za kafu</i>
10:30 – 12:00	Profesor <b>Danijela Rajter Čirić</b> <b>Nastava statistike</b>
12:00 – 13:30	Profesor <b>Géza Makay</b> <b>Metode rešavanja Sudoku-a, primeri za generisanje rešenja</b>
13:30 – 14:30	<i>Ručak</i>
14:30 – 16:00	<b>Attila Máder</b> <b>Otkrića pomoću računara u nastavi matematike i njihove primene</b>
16:00 – 16:30	<i>Pauza za kafu</i>
16:30 – 17:30	<b>Dr Jelena Tatar</b> <b>Matematički modeli - funkcije</b>
17:30 – 18:00	<b>Natalija Budinski</b> <b>Modeliranje eksponencijalnom funkcijom u nastavi matematike</b>
18:00 – 19:30	Sastanak Novosadske podružnice društva matematičara: dogovor o daljem radu

Vreme	Sunday, 29.05.2010
8:00 – 9:00	Dr Duška Pešić <i>Vizualizacija rekurentno zadatih nizova pomoću GeoGebre</i>
9:00 – 10:30	Profesor Đurđica Takači <i>Funkcija definisana integralom, logaritamska funkcija, model zemljotresa</i>
10:30 – 11:00	<i>Pauza za kafu</i>
11:00 – 12:00	Profesor Arpad Takači <i>Matematičko modeliranje i simulacija u nastavi matematike</i>
12:00 – 12:30	Dušan Mijatović <i>Matematičko modeliranje i simulacija</i>
12:30 – 13:00	Ivana Milanović <i>Matematičko modeliranje u hemiji</i>
13:00 – 13:30	Tanja Sekulić <i>Obrada izvoda funkcije pomoću računara-matematičko modeliranje</i>
13:30 – 14:30	Docent Srđan Škrbić <i>Matematičke osnove relacionih baza podataka</i>
14:30 – 15:30	<i>Ručak</i>
15:30 – 16:30	Zatvaranje škole - okrugli sto