

Program of the FIRST WORKSHOP of the IPA project *Teaching Mathematics and Statistics in Sciences: Modelling and Computer-aided Approach* **TEAMATHMODSCI**

IPA HU-SRB/0901/221/088

2010 - 2011

| Time | Monday, 23.08.2010 |
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| 09.00 – 10.00 | Cocktail and Presentation of the Workshop Program |
| 10:00 – 10.15 | <p>Marko Nedeljkov, Director of the Department of Mathematics and Informatics, Faculty of Sciences</p> <ul style="list-style-type: none"> • Opening of the Workshop <p>Arpad Takači and János Karsai</p> <ul style="list-style-type: none"> • Beginning of the IPA project TEAMATHMODSCI |
| 10.15--10:45 | <p>János Karsai</p> <ul style="list-style-type: none"> • Project summary: activities, development, procurement • Web-page, information and publicity • Administration, reporting, tendering |
| 10.45 – 12.30 | <p>Details of activities:</p> <ul style="list-style-type: none"> • Marko Nedeljkov, Djurdjica Takači*, Mirjana Rakić: Preparation of “Open days” • Đurđica Takači*, Mirjana Rakić: Preparation of “Meet Professors” • Zoltán Kovács: Preparations of “Meet the Professor” • Eszter Horváth: Lecturing days in Szeged, 2010 • Gábor Gévay: Mathematical exhibition Szeged – Novi Sad • Róbert Vajda: on the electronic book <p>* Đ.Takači is absent from 11:55 to 13:15</p> |
| 12.30 – 13.00 | Break |



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| 13:00 -- 13:20 | <p>Arpad Takači</p> <ul style="list-style-type: none"> Develops a course on application of mathematical models in teaching mathematics for science teachers using the AnyLogic modeling program |
| 13:20 -- 13:40 | <p>Marko Nedeljkov</p> <ul style="list-style-type: none"> The development of the teaching materials of the mathematical models of physics problems. |
| 13:40 -- 14:00 | <p>János Karsai</p> <ul style="list-style-type: none"> Interactive handouts and tools in Mathematica for Calculus and differential equations in life sciences |
| 14:00 -- 14:20 | <p>Robert Vajda</p> <ul style="list-style-type: none"> The development of the teaching materials of math in chemistry and in the algebraic and symbolic logic applications in life sciences |
| 14:20--14:40 | <p>Eszter Katonáné Horváth</p> <ul style="list-style-type: none"> The developments of algebraic applications in life sciences |
| 14:40—15:00 | <p>Đurđica Takači</p> <ul style="list-style-type: none"> The development of the teaching materials in the frame of the mathematical modeling of the chemistry and physics |
| 15:00—15:20 | <p>Tibor Nyári</p> <ul style="list-style-type: none"> Teaching materials: Biostatistics for Medical students |
| 15:20 -- 15:40 | <p>Danijela Rajter Ćirić</p> <ul style="list-style-type: none"> The development of the teaching materials on statistical and stochastic models appearing in teaching mathematics to science teachers and university students. |
| 15:40 -- 16:00 | <p>Gábor Gévay</p> <ul style="list-style-type: none"> Molecular and crystal symmetry |
| 16:00 -- 16:20 | <p>Kovács Zoltán</p> <ul style="list-style-type: none"> Development of teaching materials for informatics and physics students, in the multimedia development of electronic materials |
| 16:20 -- 16:40 | <p>Srdan Škrbić</p> <ul style="list-style-type: none"> Development of the teaching materials in informatics |
| 16:40 -- 17:00 | <p>Preparation for the ICTLM Conference</p> |
| 17:30-- 19:00 | <p>Dinner</p> |