



**Kick-off Meeting for CEEPUS Network: CIII-BG-1103-01-1617**  
**05-09 October 2016, Technical University-Sofia, Bulgaria**



**CEEPUS Network: CIII-BG-1103-01-1617**  
**Modelling, Simulation and Computer-aided Design**  
**in Engineering and Management**

**Kick-off/ Meeting**

05-09 October 2016, Technical University-Sofia, Bulgaria

International Meetings Center "Helmut Boehme"  
<http://ibz.tu-sofia.org/English/index.html>

Co-organizer:  
Institute of Information and Communication Technologies,  
Bulgarian Academy of Sciences, Bulgaria

# PROGRAM

**Wednesday, 05.10.2016**

Arrival/Accommodation

**14.00 - 18.00** Early registration

Administration work at Accountability offices  
of TUS and IICT-BAS (grants)

Bilateral and multilateral meetings in TUS and IICT-BAS

**Thursday, 06.10.2016**

<b>8.00-9.00</b>	<b>Registration, Coffee</b>
<b>9.00-10.00</b>	Opening ceremony <b>Chair: Prof. Galia Marinova and Prof. Felix Breitennecher</b>
<b>10.00-12.00</b>	Administration work at Accountability offices of TUS and IICT-BAS (grants)
<b>12.00-13.00</b>	<b>Lunch time</b>
<b>13.00-14.40</b>	<b>Session 1:</b> Presentation of participants - institutions, laboratories, education, research; Tasks in the framework of the CEEPUS network <b>Chair: Prof. Drazan Kozak and Prof. Gasper Music</b>
<b>13.00-13.20</b>	<b>Multi-method Modelling and Simulation and Co-Simulation - Development, Trends and Education</b> Felix Breitennecker <i>Professor, DR.</i> <i>Vienna University of Technology, Institute for Analysis and Scientific Computing, Vienna, Austria</i>
<b>13.20-13.40</b>	<b>Computer-aided Courses of Mathematics at University of Pécs (Hungary) , Faculty of Engineering and Information Technology</b> Ildikó Perjési-Hámori, <i>Associate professor</i> <i>University of Pécs, Faculty of Engineering and Information Technology, Pecs, Hungary</i>
<b>13.40-14.00</b>	<b>Modelling and simulation for automatic control design</b> Maja Atanasijevic Kunc <i>Professor, DR.</i> <i>Faculty of Electrical Engineering, Ljubljana, Slovenia</i>
<b>14.00-14.20</b>	<b>Modelling and Simulation in Study Programmes at FIS</b> Blaž Rodič <i>Professor, DR., Head of Decision Support Systems Laboratory</i> <i>Faculty of information studies, Novo mesto, Slovenia</i>
<b>14.20-14.40</b>	<b>Courses and research activities in the Computer-aided design laboratory of the Faculty of Telecommunications, Technical University-Sofia</b> Galia Marinova <i>Associate professor, Ph.D.</i> <i>Department "Technology and management of communication systems", Faculty of Telecommunications, Technical University-Sofia</i>

<b>14.40-15.00</b>	<b>Coffee break</b>
<b>15.00 - 16.40</b>	<b>Session 2:</b> Presentation of participants - institutions, laboratories, education, research; Tasks in the framework of the CEEPUS network <b>Chair: prof. Blaž Rodič and prof. Slaviša Moljević</b>
<b>15.00-15.20</b>	<b>UBT SIM - Center for Modelling, Simulation and Optimization, Case Study: Simulation and Optimization for Complex Production Systems</b> Edmond Hajrizi <i>Professor, DR., Rector of UBT</i> <i>UBT, Pristina, Kosovo</i>
<b>15.20-15.40</b>	<b>University of Tirana, Faculty of Economy, Department of Statistics and Applied Informatics and the opportunities in the CEEPUS network</b> Kozeta Sevrani <i>Professor, DR, Head of Statistics &amp; Applied Informatics Department</i> <i>Faculty of Economy</i> <i>University of Tirana, Tirana, Albania</i>
<b>15.40-16.00</b>	<b>Research and education activities in the Faculty of Electrical Engineering and Computer Science in Maribor</b> Peter Planinšič, <i>Associstae professor DR</i> and Rajko Svečko, <i>Professor, DR,</i> <i>Maribor, Slovenia</i>
<b>16.00-16.20</b>	<b>Increasing Personal Productivity with IT</b> Besnik Skenderi <i>Professor, DR.</i> <i>UBT, Pristina, Kosovo</i>
<b>16.20-16.40</b>	<b>Modelling and simulation of electric arc furnace processes</b> Vito Logar, DR. <i>Faculty of Electrical Engineering</i> <i>Ljubljana, Slovenia</i>
<b>16.40 - 17.40</b>	Scheduling the activities for the academic 2016/2017, Scheduling the mobilities, Distributing responsibilities for further tasks  <b>Chair: prof. Galia Marinova and prof. Maja Atanasijevic Kunc</b>
<b>19.30</b>	<b>Welcome dinner offered by Technical University-Sofia</b>

**Friday 07.10.2016**

<b>8.00-9.00</b>	<b>Coffee</b>
<b>9.00- 10.40</b>	<p><b>Session 3:</b> Presentation of participants - institutions, laboratories, education, research; Tasks in the framework of the CEEPUS network</p> <p><b>Chair: Prof. Kozeta Sevrani and prof. dr. Rajko Svečko</b></p>
<b>9.00-9.20</b>	<p><b>Numerical modeling and simulation in mechanical engineering</b> Drazan Kozak <i>Professor, DR., Head of Department for Mechanical Design Slavonski Brod, Croatia</i></p>
<b>9.20-9.40</b>	<p><b>Research and courses on optimization methods in the Department "Information Processes &amp; Decision Support Systems" in IICT, BAS</b> Vassil Guliashki <i>Assoc. prof. Ph.D. IICT, BAS, department IPDSS, Sofia, Bulgaria</i></p>
<b>9.40-10.00</b>	<p><b>Science and research at the University of East Sarajevo</b> Slaviša Moljević <i>Professor, DR. University of East Sarajevo, Bosnia-Herzegovina</i></p>
<b>10.00-10.20</b>	<p><b>Petri nets in industrial informatics</b> Gasper Music <i>Professor, DR. Faculty of Electrical Engineering, Ljubljana, Slovenia</i></p>
<b>10.20-10.40</b>	<p><b>Use of laboratory pilot plants for modelling and simulation</b> Gorazd Karer <i>Faculty of Electrical Engineering, Ljubljana, Slovenia</i></p>
<b>10.40-11.00</b>	<b>Coffee break</b>
<b>11.00-13.00</b>	<p><b>Students and doctoral session:</b> Presenting thesis subjects, research interests and defining needs for the Summer school in Ljubljana</p> <p><b>Chair: prof. Felix Breitenecker and prof. Vassil Guliashki</b></p>
<b>11.00-11.10</b>	<p><b>The legal and ethical considerations for transmission and storage of shared e-health data: A review.</b> Romina MUKA <i>Lecturer, Faculty of Economy, University of Tirana, Tirana, Albania</i></p>

<b>11.10-11.20</b>	<b>Information Security in the Public Sector</b> Elda KUKA <i>Ph.D. student, Faculty of Economy, University of Tirana, Tirana, Albania</i>
<b>11.20-11.30</b>	<b>Fatigue life of dental implants</b> Ivan Gelo, <i>Mag. ing. mech.</i> <i>J. J. Strossmayer University of Osijek, Mechanical Engineering Faculty in Slavonski Brod, Croatia</i>
<b>11.30-11.40</b>	<b>Teaching work, research and general interests</b> Goran Matanic, <i>Mag.ing.mech.</i> <i>J. J. Strossmayer University of Osijek, Mechanical Engineering Faculty in Slavonski Brod, Croatia</i>
<b>11.40-11.50</b>	<b>Development of an integrated system for improving business excellence</b> Ranka Gojković <i>University of East Sarajevo</i> <i>Bosnia-Herzegovina</i>
<b>11.50-12.00</b>	<b>The basic principles of the development of lightweight construction</b> Aleksija Đurić <i>University of East Sarajevo</i> <i>Bosnia-Herzegovina</i>
<b>12.00-12.10</b>	<b>Software realization of the Online platform for computer-aided design of communication circuits and systems</b> Ognyan Chikov <i>Ph. D. student</i> <i>Department "Technology and management of communication systems", Faculty of Telecommunications, Technical University-Sofia, Bulgaria</i>
<b>12.10-12.20</b>	<b>Computer-aided design of communication circuits and systems on FPGA and USRP platforms for green communications</b> Zdravka Tchobanova <i>Ph. D. student</i> <i>Department "Technology and management of communication systems", Faculty of Telecommunications, Technical University-Sofia, Bulgaria</i>
<b>12.20-12.30</b>	<b>Algorithms for Job Shop Scheduling optimization problems</b> Asen Tochev <i>Ph. D. student, IICT, BAS, department IPDSS, Sofia, Bulgaria</i>
<b>12.30-12.40</b>	<b>Credit portfolio optimization models. Algorithms for optimal credit portfolio management</b> Krasimira Stoyanova <i>Ph. D. student, IICT, BAS, department IPDSS, Sofia, Bulgaria</i>

<b>12.40-12.50</b>	<b>Problems in organizing political elections. Optimization methods.</b> Iliya Goranov <i>Ph. D. student, IICT, BAS, department IPDSS, Sofia, Bulgaria</i>
<b>12.50-13.00</b>	<b>Nanotransistor modelling</b> Milena Terzieva <i>Ph. D. student</i> <i>Department "Technology and management of communication systems", Faculty of Telecommunications, Technical University-Sofia</i>
<b>13.00-14.00</b>	<b>Lunch time</b>
<b>14.00 - 15.30</b>	<b>Session 4:</b> Discussion and planning of the Joint programs  <b>Chair: prof. Edmond Hajrizi and assoc. prof. Galia Marinova</b>
<b>15.00-15.30</b>	<b>Coffee break</b>
<b>15.30-16.00</b>	<b>Transportation to</b> Institute of Information and Communication Technologies, Bulgarian Academy of Sciences
<b>16.00-18.00</b>	<b>Session 5:</b> Presentation of IICT-BAS <b>Chair: prof. Vassil Guliashki</b>
<b>16.00-16.15</b>	<b>Welcome greetings</b> Svetozar Margenov - <i>Corr. Mem. D.Sc. Professor, Director of IICT - BAS,</i> Ivan Mustakerov, <i>Professor, Dr. Deputy Director of IICT - BAS</i>
<b>16.15-16.30</b>	<b>The section "Information processes and decision support systems"</b> Daniela Borissova <i>Associate professor, D.Sc.</i> <i>IICT – BAS, Sofia, Bulgaria</i>
<b>16.30-16.50</b>	<b>The project "ACOMIN" - Advanced computing for innovation (FP7-REGPOT-2012-2013-1)</b> Galia Angelova <i>Professor, D.Sc.</i> <i>IICT – BAS, Sofia, Bulgaria</i>
<b>16.50-17.10</b>	<b>Fractal signals and chaos in nonlinear systems</b> Peter Planinšič <i>Associate professor, Dr.</i> <i>University of Maribor, Slovenia</i>
<b>17.10-18.00</b>	Visit of SmartLab "Advanced Computing for Innovation", Presentation of equipment available

**Saturday 08.10.2016**

**Social program**

Excursion to the RILA monastery

Offered by Technical University-Sofia

<http://whc.unesco.org/en/list/216>

**Sunday 09.10.2016**

End of Kick-off