



TECHNICAL UNIVERSITY OF SOFIA



ENGLISH LANGUAGE
FACULTY OF ENGINEERING

VIII INTERNATIONAL CONFERENCE

**“CHALLENGES IN HIGHER EDUCATION
AND RESEARCH IN 21ST CENTURY”**

CHER21'10

SCIENCE DAYS OF TU-SOFIA (2010)

June 2 – 4, 2010
Sozopol, Bulgaria

Programme:

Registration	June 2, 2010	15 ⁰⁰ -20 ⁰⁰	Hotel <i>TU-Sofia</i>
Opening ceremony	June 3, 2010	10 ⁰⁰	Hotel <i>TU-Sofia</i>
Plenary session	June 3, 2010	10 ³⁰ – 13 ⁰⁰	Hotel <i>TU-Sofia</i>
Sessions	June 3-4, 2010	10 ⁰⁰ -13 ⁰⁰	Hotel <i>TU-Sofia</i>
		15 ⁰⁰ -18 ⁰⁰	Hotel <i>TU-Sofia</i>
Official Dinner	June 4, 2010	20 ⁰⁰	Hotel <i>TU-Sofia</i>
Closing	June 4, 2010	18 ⁰⁰	Hotel <i>TU-Sofia</i>

3 JUNE 2010

10⁰⁰-10¹⁰ OPENING CEREMONY

Prof. Dr. Tasho Tashev (Chairman) - Welcome speech

10⁰⁰-13⁰⁰ PLENARY SESSION

Chair: Snejana Jordanova

Special guest: Margaret Jenness – Southampton Solent University, UK

4.08.doc. COLLABORATIVE LEARNING AND RESEARCH ENVIRONMENT ON DANUBIUS UNIVERSITY PORTAL WEB 3.0 GENERATION. Alina Beatrice Răileanu, Gabriela Vîrlan, Doinita Ariton, Florin Postolache

4.01.doc. DEPLOYMENT OF INTERNET BASED e-SERVICES IN THE ARISTOTELIAN UNIVERSITY. G. Pangalos, I. Salmatzidis, I. Pagkalos

4.03.doc. QoS DELIVERY VIA MULTI RADIO DIVERSITY IN EMERGENCY SITUATIONS. Mo Adda, Asad A. Khan

1.02.doc. AUDIT MANAGEMENT IN VIRTUAL ENVIRONMENT. Sabina Funar, Claudia Ionescu

RFID IMPLEMENTATION AND BENEFITS IN LIBRARY. Corina Pop, Gabriela Mailat

13⁰⁰ Lunch

ORAL PRESENTATIONS:

3 JUNE 2010

15⁰⁰-18⁰⁰

3. Measurement and control

4. Information technologies and e-Management

16¹⁵-16⁴⁵ Coffee break

Chair: Radoslav Deliyski

3.05.doc. ECOLOGICAL SAFETY AND ENERGY EFFICIENCY THROUGH INTELLIGENT PROCESS CONTROL. Snejana Yordanova

3.06.doc. AN ALGORITHM OF A VIRTUAL SYSTEM FOR ANGLE MEASUREMENTS WITH A RESOLVER. Vladislav Slavov, Inigo Aranguren, Rangel Dinov

3.07.doc. RESULTS AND ANALYSIS OF THE EXPERIMENTS WITH A VIRTUAL SYSTEM FOR ANGLE MEASUREMENTS WITH A RESOLVER. Inigo Aranguren, Vladislav Slavov, Rangel Dinov

3.08.doc. TRANSDUCER AND GRAPHIC INTERFACE FOR MEASURING. Viorel Popa, Elena Popa

3.09.doc. VIRTUAL NETWORKED POWER MEASUREMENT SYSTEM. Georgi Nikolov , Peter Yakimov

3.10.doc. CARBON DIOXIDE MONITORING USING SOLID ELECTROLYTE SENSORS. Georgi Nikolov , Boyanka Nikolova, Marin Marinov

4.02.doc. CAPACITY OPTMIZATION IN LTE NETWORKS. Mo Adda , Asad A. Khan, Anna Lekova

4.05.doc. A STUDY OF SOFTWARE DEVELOPMENT STATE OF THE ART IN EMBEDDED SYSTEMS DEVELOPMENT. Aleksandar Dimov

4.06.doc. PRELIMINARY SYSTEM ANALISIS FOR E-GOV INFORMATION MODELLING. Roumiana Ilieva

4.07.doc. SMART SERVICES MODELLING APPROACH. Roumiana Ilieva

4 JUNE 2010

10⁰⁰-13⁰⁰

1. Education through and for excellence in research

2. Higher engineering education

11¹⁵-11⁴⁵ – Coffee breaks

Chair: Vladislav Slavov

1.01.doc. PROBLEM BASED LEARNING COURSE. A.I. Lazarov

1.06.doc. THE ETHNIC PROFILE OF MILITARY STUDENTS. Adrian LESENCIUC, Daniela NAGY

1.07.doc. CHALLENGES FOR INDUSTRY-ACADEMIA COLLABORATION IN EUROPE. Elissaveta Gourova, Karina Anguelieva

1.09.doc. NEW CONCEPTS AND NEW TRENDS IN IMPLEMENTATION OF ERASMUS PROGRAM AT TECHNICAL UNIVERSITY OF SOFIA. Dimitrinka Margenova

1.08.doc. GRID RESOURCE SCHEDULING USING METAHEURISTIC ALGORITHM FOR TIMETABLE AND AUCTION. Ognian Nakov, Plamenka Borovska, Adelina Aleksieva-Petrova

1.03.doc. WAYS TO CUSTOMIZE CAD SOFTWARE. Ioan Lihtetchi, Dan-Lucian Lihtetchi

1.04.doc. IMPULSIVE EFFECTS ON STABILITY OF BIDIRECTIONAL ASSOCIATIVE MEMORY NEURAL NETWORKS WITH TIME DELAYS. Ivanka Stamova

1.05.doc. SELF-ORGANIZATION STRUCTURES IN GLOW DISCHARGES. Georgeta Strat, Silviu Gurlui, Mitachi Strat, Ioan Lihtechi

2.01.doc. STUDY ON THE VARIATION OF THE CUTTING POWER AT PROCESSING LONGITUDINAL PIECES OF SPRUCE WITH CIRCULAR SAWS. Cosmin Spirchez, Nicolae Taran, Loredana Badescu

2.02.doc. DYNAMIC ASPECTS IN Ti6Al4V. Ivan Radu Alexandru

2.03.doc. STABLE-INSTABLE MILLING IN Ti6Al4V. Ivan Radu Alexandru

4 JUNE 2010

15⁰⁰-18⁰⁰

5. Design and manufacturing

6. Business and marketing, Humanities role

16¹⁵-16⁴⁵ Coffee break

Chair: Dan Lepadatescu

6.01.doc. THE INFLUENCE OF THE TECHNOLOGIC PARAMETERS AT THE UNCONVENTIONAL ROTOR SPINNING MILL OE ON THE YARNS CHARACTERISTICS . Ionel Barbu, Alexandru Popa, Vinereanu Adam

6.02.doc. THE OPTIMIZATION OF THE CARDING TECHNOLOGIC PARAMETERS. Ionel Barbu, Alexandru Popa, Vinereanu Adam

6.03.doc. THERMAL TREATMENT INFLUENCE OF THE WARP THREADS ON THE PLUSH LAYER COVERING GRADE. Adam Vinereanu, Mihai Ciocoiu, Ionel Barbu

6.04.doc. MATHEMATIC MODEL OF THE TECHNOLOGY OF HEAT TREATMENT FOR THE PLUSH WARP YARNS. Adam Vinereanu, Mihai Ciocoiu, Ionel Barbu

6.06.doc. DUAL CHANNEL GPS SYSTEM FOR URBAN CONDITIONS. Popov G., T.Tashev

6.07.doc. IMPROVED METHOD AND TOOL FOR FINE-BLANKING OF STEEL SHEET PARTS. Ion Neagoe, Alexandru C. Filip

7.01.doc. ROMANIA'S PRIVATE PENSIONS SYSTEM. Cristiana Marc and Carmen Buzea

7.02.doc. THE DOWNTREND OF ELECTION TURNOUT IN ROMANIA. Ovidiu Tierean

7.03.doc. THE ECO-INDUSTRIAL PARK DEVELOPMENT AS AN ENVIRONMENTAL CONSONANT BUSINESS. Adrian MACARIE, Ioana Cristina MACIUCA

7.04.doc. THE IMPORTANCE OF BRAND IN HIGH-TECH INDUSTRY. Lavinia Dovleac, Marius Balasescu, Simona Balasescu

8.02.doc. A RADOIOGRAPHY OF PRESENT VALUES. Susan Ana-Maria

POSTER SECTION:

3 JUNE 2010

15⁰⁰-18⁰⁰

3.02.doc. LMI BASED CONTROL OF SATELLITE SYSTEM. Andrey Yonchev

3.03.doc. SENSITIVITY ANALYSIS OF THE DISCRETE-TIME LMI BASED BOUNDED OUTPUT ENERGY PROBLEM. Andrey Yonchev

4.04.doc. APPLICATION OF GENERALIZED NETS FOR STUDYING OF SPACE SWITCH FOR ASYNCHRONOUS NETWORKS, Petko Stoyanov

7.05.doc. APPLYING TRIZ METODOLOGY AND SIX-SIGMA APPROACH IN SAPA COMPANY, SPAIN. Adolfo Tapiz, Ognyan Andreev, Vladislav Slavov

6.05.doc. DESIGN, MANUFACTURE AND OPERATION OF A TEST RIG FOR EXAMINATION OF CONTACT FATIGUE OF GEARS. Daniel Rangelov, Milena Lumbeva, Aleksandar Atanasov

8.01.doc. ATTRIBUTION, DEFENSE STYLE AND ACADEMIC ACHIEVEMENT. Ana-Maria Cazan, Simona Elena Indreica

8.03.doc. EMOTIONAL RULES IN PROFESSIONAL PRACTICE OF STUDENTS. Camelia Truța, Simona-Elena Indreica

3.11.doc. REGARDING THE NOISE EMISSIONS ON RECESING WITH NC MACHINE-TOOLS. Sergiu Racasan, Nicolae Taran

3.12.doc. C-V MEASUREMENT USING HIGH SPEED DAQ. Boyanka Nikolova, Marin Hristov, Georgi Nikolov

3.13.doc. SELECTION OF THE AUTOMATIC NUMBER PLATE RECOGNITION SYSTEMS ARCHITECTURE USING A PROCESS-ORIENTED APPROACH. Atanas Atanasov

8.04.doc. TESTING ENGLISH FOR SPECIFIC PURPOSES IN SCIENCE. Vessela Frengova

1.10.doc. LEARNER ACTIVITIES CATEGORIZATION IN EDUTAINMENT ENVIRONMENT. Milen Petrov

5.01.doc. PARALLEL ALGORITHM DESIGN BASED ON TABU SEARCH METAHEURISTICS FOR THE JSS COMBINATORIAL PROBLEM. Plamenka Borovska, Georgi Yanchev, Adelina Aleksieva-Petrova