TECHNICAL UNIVERSITY OF GABROVO



INTERNATIONAL SCIENTIFIC CONFERENCE



PROGRAM

21 - 22 NOVEMBER 2014 GABROVO International Scientific Conference UNITECH'14 is organized by the Technical University of Gabrovo with the assistance of regional business establishments and companies. The conference is a forum at which traditionally every year at the end of November lecturers and research workers from home and abroad meet to promote the Development of Science and Education.

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UNITECH'14 will be held on 21 and 22 November 2014 at the Technical University of Gabrovo

WORKING PROGRAM OF THE SCIENTIFIC CONFERENCE

20th November 2014, Thursday

14.00 – 17.00 h Registration, Rectorat building

21st November 2014, Friday

08.00 – 10.30 h Registration, Rectorat building

10.30 – 11.00 h Opening ceremony – Library building, Conference hall

11.00 – 12.00 h The Role of Informatics in a Modern Health Care System - a plenary report by Karl P. Pfeiffer - FH JOANNEUM – University of

Applied Sciences

Inductive power transfer charging station for static and dynamic charge of electrical vehicles – a plenary report by Prof.Raycho Ilarionov, Assoc. Prof. Nikolay Madzharov and Mag. Eng.

Anton Tonchev, Technical University of Gabrovo

12.00 – 13.00 h Lunch

13.00 – 18.00 h Thematic sessions

- ➤ Electrical Engineering
- ➤ Electronics and Sensors
- > Automation
- Chemistry and Ecology
- ➤ Communication Engineering and Technologies
- ➤ Computer Systems
- ➤ Computer Technologies
- ➤ Mathematics and Informatics
- Design of Machines and Instruments
- ➤ Technologies in Mechanical Engineering
- > Technologies in Textile Production
- ➤ Mechatronics, Metrology and Quality Management
- > Hydraulics, Pneumatics and Heat Engineering
- > Economics and Finance
- Organization and Management
- Social Sciences and Humanities
- > Educational Technologies
- > Physics

15.00 – 15.30 h Coffee break

14.00 h Round table: Closing conference in the agenda of the Project

"Technical University of Gabrovo curricula updating in

conformity with business demands", Library building, Conference

hall

15.30 h Round table: *Education and Active Ageing*, Irena Rashkova and

Tsvetelina Petrova, Department for Language and Specialized TrainingTechnical University of Gabrovo, Integral Building, 3rd

floor, Hall 1324

19.00 h Formal dinnerRestaurant Balkan Hotel

22th November 2014, Saturday

09.00 – 12.00 h Thematic sessions

MATHEMATICS AND INFORMATICS

Chairmen: Assoc. Prof. Milena Racheva, D.Sc., Sen. Assist. Prof. Mariyan Balev, Ph.D.

Building: № 1, Hall 1344

Beginning: 13.00 h.

Analytical hierarchical process (AHP) method application in the process of selection and evaluation

Tatjana Atanasova—Pachemska, Martin Lapevski, Riste Timovski Goce Delcev University in Stip, Republic of Macedonia

Solving generalized algebraic riccati in scilab

I.Ivanov, I. Ivanov

Konstantin Preslavsky University of Shumen, Bulgaria

New large (n,r) - ARCS in PG (2,37)

Rumen Daskalov, Elena Metodieva Technical University of Gabrovo, Bulgaria

Binary cyclic codes of length 105

Rumen Daskalov, Elena Metodieva Technical University of Gabrovo, Bulgaria

Modelling processes throught general networks

M. Vankova

Technical University of Gabrovo, Bulgaria

An example of general networks

M. Vankova

Technical University of Gabrovo, Bulgaria

Mathematics behind waterfalltree

Iliva Tronkov

Technical University of Gabrovo, STS Soft SC, Bulgaria

Waterfalltree implementation details

Iliya Tronkov

Technical University of Gabrovo, STS Soft SC, Bulgaria

New bounds for superimposed codes

M.Manev

Technical University of Gabrovo, Bulgaria

Application of cross and dot product in computational geometry in the plane

M.Manev

Technical University of Gabrovo, Bulgaria

