

TECHNICAL UNIVERSITY OF GABROVO



IEEE
BULGARIA
SECTION



**INTERNATIONAL
SCIENTIFIC CONFERENCE**

UNITECH '14
GABROVO

P R O G R A M

**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 Training Technical University of Gabrovo, Integral Building, 3rd floor, Hall 1324

19.00 h Formal dinner Restaurant Balkan Hotel

22th November 2014, Saturday

09.00 – 12.00 h Thematic sessions

EDUCATIONAL TECHNOLOGIES

Chairmen: Assoc. Prof. Emil Indzov, Ph.D., Sen. Assist. Prof. Tsanka Zlateva, Ph.D.
Building: № 6, Hall 6203
Beginning: 13.00 h.

About the classification of heuristic methods

M. Leparov
Technical University of Sofia, Bulgaria

About some ways to heuristic methods design

M. Leparov
Technical University of Sofia, Bulgaria

Development of a standardized scheme for the transfer of knowledge from third and secondary level education facilities to industry

Hagen Helge Hoehrinner¹, Jasmina Mihelak-Zupančič²
¹*University of Applied Sciences FH Joanneum Graz, Austria*
²*Šolski center Slovenske Konjice-Zreče*

Creating a method for ergonomic and design evaluation of the workplace

A. Tsanova, K. Borisova
Technical Collage – Lovech, Bulgaria

Platform for teaching feed forward and jerk control

Miloš Božić¹, Marko Rosić¹, Miroslav Bjekić¹, Goran Đorđević²
¹*Faculty of Technical Sciences Čačak, University of Kragujevac, Serbia*
²*Faculty of Electronic engineering, University of Nis, Serbia*

Mathematical modeling and geogebra as educational technologies of the new era

Tanja Sekulić¹, Valentina Kostić²
¹*Technical College of Applied Sciences Zrenjanin, Serbia*
²*Grammar School Pirot, Pirot, Serbia*

Interdisciplinary teaching of informatics

L. Skopalik, P. Danailov, M. Koleva
Technical University of Gabrovo, Bulgaria

Developing e-learning module

R. Ivanova
Technical University of Gabrovo, Bulgaria

Results of using E-learning

R. Ivanova
Technical University of Gabrovo, Bulgaria

Case study - application of feature selection methods on a educational data set extracted from moodle LMS system

Gabrijela Dimić¹, Dejan Rančić², Petar Spalević³, Kristijan Kuk[°]

¹*The School of Electrical Engineering and Computer Science of Applied Studies, Belgrade*

²*Faculty of Electronic Engineering, Nis*

³*Faculty of Technical Sciences, K. Mitrovica*

[°]*Department of Informatics and Computing, University of Criminalistic and Police Studies, Belgrade*

Lifelong learning for creativity and innovation

Vineta Srebrenkoska¹, Sasha Mitrev², Tatjana Atanasova - Pachemska³, Ilija Karov²

¹*Faculty of Technology, University "Goce Delcev", Stip, R. Macedonia*

²*Faculty of Agriculture, University "Goce Delcev", Stip, R. Macedonia*

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