

# FDIBA Conference Program

30. 11. 2018

## Venue

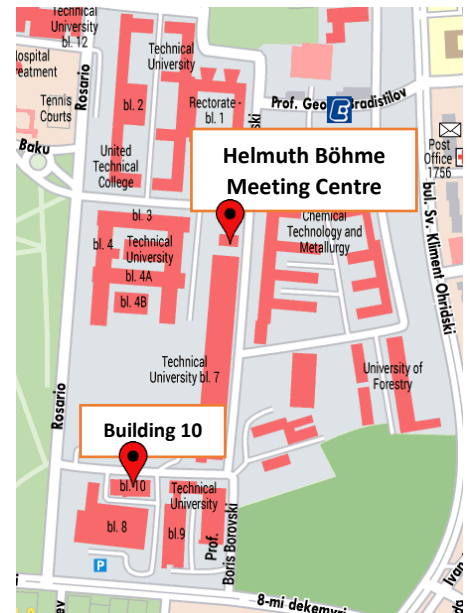
The conference will be held in two locations in the campus of the Technical University of Sofia. The first is the conference room of the Helmut Böhme Meeting Centre (IBZ). The opening ceremony, the PhD Students session and the Session on Mechanical Engineering, Mechatronics and Economics will take place there. The sessions on Computer Science will be held in room 10100 in Building 10.

The Banquet will take place in the V Parka hall (vparka.com), located in Bulgaria square 1 (The Small Palace of Culture).

## Wireless Internet Access

Free Wi-Fi will be provided to all conference participants during the event at both locations. The name of the network is FDIBA Conference 2018. Please take into consideration that data is not encrypted over this network and using only secure protocols is recommended. You can also use the eduroam network if your institution participates in eduroam (not available in Helmut Böhme Meeting Centre).

**Friday, 30. 11. 2017**



The Helmut Böhme International Meeting Centre (IBZ)	
9:00	Official Opening Ceremony
9:30	<b>Plenary Talk</b> <b>Prof. Zwetelina Gankova - Ivanova</b> Erneuerbare Energiequellen und Beschäftigung

Room	10100	IBZ
10:30	<b>Svetla Ivanova-Vassileva</b> Hygiene Factors of Usability (Precondition for GUI Acceptability)	<b>Angel Garabito, Aleksandar Tsenov</b> Using Formant as an indication of speech intelligibility in VOIP
10:50	<b>Svetla Ivanova-Vassileva</b> Associativity of Visual Metaphors and User Performance (Study of a Banking Application)	<b>Daniel Hristov</b> Application of Hilbert Transform for Phased Antenna Array Calibration
11:10	<b>Vanya Markova, Ventseslav Shopov</b> Comparative Analysis of Trajectory Controllers for Noncholonomic Mobile Robot	<b>Ina Nikolova-Jahn, Emil Enchev</b> Principles and consistency in automation of logistic information processes
11:30	<b>Ventseslav Shopov, Vanya Markova</b> Identification of Non-linear dynamic system	<b>Emil Enchev</b> Moderne Logistikinformationsysteme
11:50	<b>Alek Borisov, Nikolay Belobradov</b> Graph Laplacian	<b>Blagovest Kirilov</b> Utilizing Blockchain technology for data analysis and interaction through The Formal Method of Things
12:10	<b>Lunch break</b>	
13:30	<b>Velko Ilchev, Aleksandar Tsenov</b> Informational aspects of modelling the Health Regions in Bulgaria	<b>Hashem Badra, Jivka Ovtcharova</b> Navigation System for Virtual Manufacturing Process
13:50	<b>Boyan Katsarski, Velko Iltshev</b> Methods for Eventual Consistency in Collaborative Editing Systems	<b>Georgi Yanachkov, Simona Hesapchieva</b> Integral Brake System for Electric Motorcycle Using Maximum Energy Regeneration
14:10	<b>Dimo Chotrov, Zlatka Uzunova, Yordan Yordanov, Stoyan Maleshkov</b> Mixed-Reality Spatial Configuration with a ZED Mini Stereoscopic Camera	<b>Stefan Hensel, Marin B. Marinov, Christoh Kehret</b> Implementation of a system for testing of mapping algorithms
14:30	<b>Irina Topalova</b> Prediction of EIGRP traffic parameters by 3D approximation using neural networks	<b>Marin Marinov, Ivan Topalov</b> Location based calibration of low cost particulate matter sensors
14:50		<b>Anna-Maria Staiger, Malte Fiedler, Wolfgang Fritz, Dietrich von der Oelsnitz</b> Competence in the Context of Digitalization
15:30	<b>Official closing ceremony</b>	
18:30	<b>BANQUET</b>	