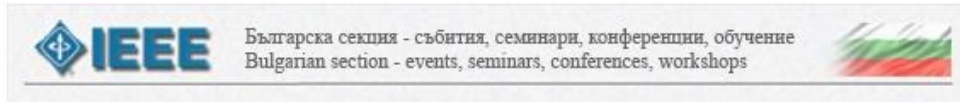




12th ANNUAL INTERNATIONAL CONFERENCE
ON
COMPUTER SCIENCE AND EDUCATION IN COMPUTER SCIENCE 2016 (CSECS 2016)
The Conference will be held **July 1 to July 2, 2016, in Fulda**, and
July 3 to July 4, 2016, in Nürnberg, Germany



IEEE Sponsor

With financial support of the Central Strategic Development Found of NBU

Friday, July 1st

Conference place: University of Applied Sciences Fulda, Building E, Room 105

13:00 OPENING

14:00 *(remote)* **The Role of Aesthetics in Software Design, Development and Education**, Latchezar Tomov (BG)

14:30 *(remote)* **Virtual Reality System for Motion Capture Analysis and Visualization for Folk Dance Training**, Zlatka Uzunova, Dimo Chotrov, Stoyan Maleshkov (BG)

15:00 *(remote)* **Prototype Precision Aidrop System: Model Development and Simulation**, Nikola Manev, Jugoslav Schkoski, Boban Temelkovski (MK)

15:30 **Metrics for Assessing the Similarity in Text Documents**, Martin Ivanov, Mariyana Raykova (BG)

16:00 COFFEE BREAK

16:30 *(remote)* **Creating High Availability Learning Management System with Moodle Optimization**, Delyan Keremedchiev, Ventsislav Djambazov (BG)

17:00 *(remote)* **A Web-Based Security Analysis Tool for Android Applications**, Yuting Zhang, Tandhy Simanjuntak, Chih-Yung Wu, Nebiyu Feleke, Wenjie Shi (USA)

17:30 *(remote)* **A Statistical Study of First Language Acquisition: No Gender Differences in the Use of Parts of Speech**, Simitar Atanasov, Velina Slavova, Filip Andonov (BG)

18:00 *(remote)* **Students Learn By Doing; or Do They?**, Eric Braude (USA)

18:30 *(remote)* **Towards E-Leadership M.SC. Program Curricula – Analysis of Students' Feedback**, Valentina Ivanova (BG)

19:30 DINNER at "Toro Negro" in Hotel Esperanto

Saturday, July 2nd

10:00 SITE SEENG Fulda

13:00 LUNCH

Conference place: University of Applied Sciences Fulda, Building E, Room 105

14:00 (*remote*) **Data Collection for Studying Language Acquisition**, Velina Slavova (BG)

14:30 (*remote*) **A Study of Noun Concept Categories using Data from Child Language Acquisition – an Outline**, Velina Slavova, Filip Andonov, Dimitar Atanasov (BG)

15:00 (*remote*) **An Innovative Enterprise Architecture Course in Computer Science and Information Systems Programs**, Robert Schudy, Marcia Nizzari (USA)

15:30 (*remote*) **An Approach for Network State-to-state Transformation**, Nikolay Milovanov (BG)

16:00 COFFEE BREAK

16:30 **Concept Maps Generator Based on Accumulative Test Items**, Mariyana Raykova, Hristina Kostadinova, George Totkov (BG)

17:00 (*remote*) **Predicting Performance in the NBA with Classification Models**, Rayan Johnson, Jae Lee (USA)

17:30 (*remote*) **Resume Analysis for Skill-Set Estimate Using HDFS, Mapreduce and R**, Sowmyan Karra, Krishna Ankala (USA)

18:00 (*remote*) **Soft Skills in the Undergraduate Computer Science and Information Systems Curricula: A Case Study Comparison of US and Bulgarian Programs**, Vijay Kanabar (USA), Kalinka Kaloyanova (BG)

18:30 (*remote*) **The Study of Cryptographic Algorithms and Performance Measurements Across Heterogeneous Devices**, Daniel Davis, Feng Zhu (USA)

19:30 DINNER “Wiesenmühle”

Sunday, July 3rd

10:45 **Travel by train to Nürnberg. Meeting at Fulda main station track 4.**

13:00 LUNCH

Conference place: IBIS Nürnberg Hauptbahnhof, Room Königstor

14:00 **Inquiry-Based Approach and E-Learning in Computer Science Education**, Daniela Tuparova, Georgi Tuparov (BG)

14:30 **Connect: A Development Framework for Mobile Electronic Data Capture in Disconnected Communities**, Caleb Ruth, Elaine Yu, Samantha Huey, Lou Chitkushev, Saurabh Mehta, Guang Zhang (USA)

15:00 **Communication Skills for the Future Software Engineers**, Petya Asenova (BG)

15:30 **Adaptive Parser for COBOL Family**, Krassimir Manev, Velislav Nikolov, Neli Maneva (BG)

16:00 COFFEE BREAK

16:30 **Using Google Bigquery for Data Analytics in Research and Education**, Dimitar Trajanov (MK), Ivana Trajanovska (MK), Lubomir Chitkushev (USA), Irena Vodenska (USA)

17:00 **The Role of the IT Business Analyst in a Big Data Project – Data-Driven Approach to Business Analysis**, Penko Ivanov (BG)

17:30 **Body Area Network Interoperability and Performance Study**, Rossitza Goleva (BG), Rumen Stainov (DE), Plamena Mihailova (BG), Anrey Andreev (BG)

18:00 **Text Mining and Gender Detection within a System for Sentiment Analysis**, Filip Andonov, Velina Slavova, Marouane Soula (BG)

Monday July 4th

Conference place: IBIS Nürnberg Hauptbahnhof, Room Königstor

09:00 **Preparing Big Data Business Analysts for the IT project management profession**, Penko Ivanov (BG), Vladimir Zlatev (USA)

09:30 **Curriculum Development in Global Software Development**, Peter Peinl (DE)

10:00 **Impact of Global Events on Crude Oil Prices**, Irena Vodenska (USA), Dimitar Trajanov (MK), Ivana Trajanovska (MK), Lubomir Chitkushev (USA)

10:30 COFFEE BREAK

11:00 **The Bulgarian Collegiate Programming Contest**, Nikolay Kirov (BG)

11:30 **On the Sharpness of the Griesmer Bound**, Ivan Landjev, Assia Rousseva (BG)

12:00 **Modified Regression Technique to Reduce Effects of Multicollinearity**, Slav Angelov, Eugenia Stoimenova (BG)

12:30 **Integrated Virtual Laboratories: the Hands-on Backbone of the Educational Infrastructure**, Vladimir Zlatev, Leo Burstein, Andrew Abrahamson, Yuvaraj Gunasekaran, Tanya Zlateva (USA)

13:00 **On the Classification of Divisible Arcs in Finite Projective Geometries**, Assja Rousseva, Ivan Landjev (BG)

13:30 CLOSING SESSION