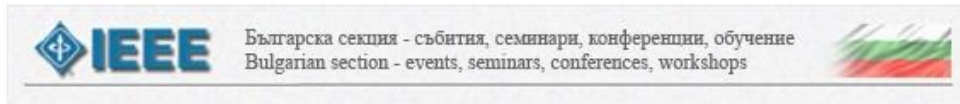




**13th ANNUAL INTERNATIONAL CONFERENCE
ON
COMPUTER SCIENCE AND EDUCATION IN COMPUTER SCIENCE 2017 (CSECS 2017)**
The Conference will be held **June 30th to July 3rd, 2016, in Albena, Bulgaria**



IEEE Sponsor

With financial support of the Central Strategic Development Found of NBU

With financial support of the EU ASPIres Project

Friday, June 30th

Conference place: Albena, Hotel Flamingo

13:00 OPENING

14:00 *Remote:* Teodor TOSHKOV (BG), Vladimir KATKALOV (BG), Radoslav BORISOV (BG),
CHARACTER SEGMENTATION AND RECOGNITION IN A SCANNED DOCUMENT

14:30 Maria STAMBOLIEVA (BG), Milka HADJIKOTEVA (BG), Mariya NEYKOVA (BG), Mariyana
RAYKOVA (BG), Valentina IVANOVA (BG), THE NBU E-PLATFORM IN TEACHING FOREIGN
LANGUAGES FOR SPECIFIC PURPOSES

15:00 *Remote:* Eric BRAUDE (USA), DE-FRAGMENTING CODE-EMBEDDED UML: A DESIGN

15:30 *Remote:* Anatoly TEMKIN, (USA), Andrew WOLFE (USA), BRIDGE COURSES: EMPOWERING
STUDENTS TO SUCCEED IN GRADUATE IT COURSES

16:00 COFFEE BREAK

16:30 Irena VODENSKA (USA), USING BIG DATA SIMULATION AS AN EARLY WARNING SIGNAL FOR
GLOBAL FINANCIAL CRISES

17:00 *Remote:* Alexander BELYAEV (USA), CASE STUDY: VIRTUAL PROTOTYPING AND MACHINE
LEARNING

17:30 *Remote:* Guanglan ZHANG and Lou CHITKUSHEV, DATA ANALYTICS BASED POSITIONING OF
HEALTH INFORMATICS PROGRAMS

18:00 *Remote:* Vinaya SUJAN (USA), A STUDY OF USABILITY AND USER SATISFACTION OF THE
BLACKBOARD LEARN USER INTERFACE

19:30 DINNER



Saturday, July 1st

8:30 Krassimir MANEV (BG), Neli MANEVA (BG), Velislav NIKOLOV (BG), PARAMETRIC COMPILER FOR COBOL DIALECTS

9:00 Juliana PENEVA (BG), Stanislav IVANOV (BG), COURSE CONTENT FOR SOFTWARE PRODUCTION

9:30 Mariyana RAYKOVA (BG), Stoyan BOEV (BG), ENHANCED TEACHING AND LEARNING INFORMATICS AND MATHEMATICS THROUGH INTEGRATION

10:00 Alexandrina IVANOVA, Penko IVANOV, EFFECTIVE DEVOPS AS A KEY TO EFFICIENT LARGE SCALE AGILE SOFTWARE DEVELOPMENT - INDUSTRY CASE STUDY

10:30 COFFEE BREAK

11:00 Marin MARINOV (BG), Petya ASENOVA (BG), USING MATHEMATICAL SOFTWARE FOR UNDERSTANDING CONCEPTS

11:30 Juliana PENEVA (BG), Ventsislav DJAMBAZOV (BG), Delyan KEREMEDJIEV (BG), INSTRUCTOR'S PRESENCE IN STUDENT-CENTERED LEARNING

12:00 Zdravko KARAKEHAYOV (BG), DYNAMIC POWER MANAGEMENT FOR REAL-TIME EMBEDDED SYSTEMS

12:30 *Remote:* Zlatka UZUNOWA (BG), CAPTURE THE MOVEMENT OF FOLK DANCERS WITH TWO KINECT SENSORS

13:00 LUNCH

14:00 Mariyana RAYKOVA V, Valentina IVANOVA (BG), NBU E-PLATFORM IN TEACHING FOREIGN LANGUAGES FOR SPECIFIC PURPOSES – SOFTWARE ENGINEERING CHALLENGES

14:30 Boris STOYANOV (BG), Nikolay MILOVANOV (BG), AUTOMATING IPSEC POINT TO POINT TUNNEL CONFIGURATIONS AND KEY GENERATIONS IN LARGE HETEROGENEOUS NETWORKS

15:00 Christoph SEIFERT (D), Sebastian RIEGER (D), Christian PAPE (D), REALIZATION POSSIBILITIES FOR VIRTUAL NETWORKING LABS IN HIGHER EDUCATION COURSES

15:30 *Remote:* Alexander BELYAEV (USA), CASE STUDIES: SYMBIOSES OF MATHEMATICAL SIMULATION, DATA AND COMPUTER SCIENCE IN ENGINEERING

16:00 COFFEE BREAK

16:30 *Remote:* Filip ANDONOV (BG), Velina SLAVOVA (BG), NBU, COMPARATIVE ANALYSIS OF WORD-FORM USE IN CONCEPTUAL SPACE

17:00 Ivan LANDJEV (BG), ON THE p-RANK OF THE INCIDENCE MATRIX OF A PROJECTIVE HJELMSLEV PLANE

17:30 Latchezar TOMOV (BG), SYSTEM COMPLEXITY AND SYSTEM QUALITY FOR PROJECT MANAGEMENT

18:00 Latchezar TOMOV (BG), Krasimir GITSOV (BG), A PRINCE 2 MODIFICATION OF SCRUM WITH STATISTICAL PROCESS CONTROL

19:30 DINNER



Sunday, July 2^d

Special Session on EU ASPIres Project

- 8:30 Slobodan KLETNIKOV (MK), Jugoslav ACHKOSKI (MK), Nikola KLETNIKOV (MK), Igorche KARAFILOVSKI (MK), Rumen STAINOV (D) and Rossitza GOLEVA (BG), DESIGN OF ADVANCED SYSTEM FOR MONITORING OF FOREST AREA AND EARLY DETECTION OF FOREST FIRES USING DRONES, CAMERA, AND WIRELESS SENSOR NETWORK
- 9:00 Boris POPOV (BG), Milko SIMEONOV (BG), Borislava POPOVA (BG), Andrey ELENKOV (BG), Rossitza GOLEVA (BG), ASPIRES WEB PORTAL AS PART OF THE SYSTEM FOR EARLY DETECTION, MONITORING AND PREDICTION OF FOREST FIRES
- 9:30 Rumen STAINOV (D), Rossy GOLEVA (BG), Ivan CHISTOV (D), Jugoslav ACHKOSKI (MK), Nikola KLETNIKOV (MK), Ivelin ANDREEV (BG), Alexander SAVOV (BG), COMMUNICATION ASPECTS IN USING UNMANNED AERIAL VEHICLES FOR EARLY DETECTION OF FOREST FIRES
- 10:00 Rossitza GOLEVA (BG), CLOUD, FOG, DEW AND SMART DUST PLATFORM FOR ENVIRONMENT ANALYSIS
- 10:30 COFFEE BREAK
- 11:00 Slav ANGELOV (BG), Eugenia STOIMENOVA (BG), PREDICTION ERROR IN MULTIPLE REGRESSION MODEL
- 11:30 Penko IVANOV (BG), Vladimir ZLATEV (USA), APPLIED BUSINESS ANALYTICS APPROACH TO IT PROJECTS - METHODOLOGICAL FRAMEWORK
- 12:00 Latchezar TOMOV (BG), SYSTEM COMPLEXITY AND SYSTEM QUALITY FOR PROJECT MANAGEMENT
- 12:30 Dimitar TRAJANOV (MK), Irena VODENSKA (USA), Goce CVETANOV (MK), Lou CHITKUSHEV (USA), DATA DRIVEN ANALYSIS OF TRADE, FDI AND INTERNATIONAL RELATIONS ON GLOBAL SCALE
- 13:00 LUNCH
- 14:00 Vadim SHABELNIKOV (RUS), MULTI-AGENT SIMULATION FOR MULTINATIONAL CORPORATIONS IN GLOBAL ENVIRONMENT
- 14:30 Assia ROUSSEVA (BG), NEW CONSTRUCTIONS OF AFFINE BLOCKING SETS
- 15:00 *Remote*: Yuting ZHANG (USA), DEVELOPING AND MAINTAINING A SOFTWARE PROJECT MANAGEMENT TOOL SUITE IN THE SOFTWARE ENGINEERING COURSE
- 15:30 *Remote*: Mette STØRUP (USA), VIRTUAL REALITY IN THE WORLD OF MEDICINE
- 16:00 COFFEE BREAK
- 16:30 **Round table "Educational Technologies in CS - Opportunities and Challenges Ahead"**

Moderator: Lou CHITKUSHEV (USA),

Panelists: Tanya ZLATEVA (USA), Petja ASSENOVA (BG), Rumen STAINOV (D)

1. Educational Technologies: Experience, Challenges and Leading Trends in USA, in Bulgaria, and in Germany (3 x 15 minutes)
2. Discussion (contributions: Penko IVANOV (BG), Christoph SEIFERT (D))

18:00 End of the Panel session

19:00 OFFICIAL DINNER



Monday July 3th

Site Seeing (Visit to Balchik with Lunch)

14:00 CLOSING SESSION