

INTERNATIONAL CONFERENCE ON COMPUTER SYSTEMS AND TECHNOLOGIES “CompSysTech’16”

On June 23 and 24 2016 the University of Palermo hosted the XVIIth in turn **International Conference on Computer Systems and Technologies CompSysTech’16**.



The CompSysTech’16 International Conference is organized by THE ASSOCIATION FOR COMPUTING MACHINERY (N.Y., USA) and by THE BULGARIAN ACADEMIC SOCIETY OF COMPUTER SYSTEMS AND INFORMATION TECHNOLOGIES and its OBJECTIVE is to intensify the information exchange of results in theoretical research and practical developments in this field.

CompSysTech’16 is organized under the patronage of:

- EUROPEAN COMMISSION - Education, Audiovisual and Culture Executive Agency
- John Atanasoff Union of Automation and Informatics
- Bulgarian Academy of Sciences;
- Bulgarian Chapter of IEEE Computer Society;
- Bulgarian Chapter of IEEE Communications Society.

Only papers with three favourable reviews from three members of the Programme Committee, which includes leading scientists from around the world, were accepted for presentation and publication.

The Plenary Session was opened with a greeting address from the Rector of the University of Ruse - Prof. Velizara Pencheva, PhD



Dear Guests, Dear Colleagues,

It is my pleasure to WELCOME you to the XVIIth edition of the International CompSysTech research conference!

The governance of the University of Ruse highly appreciates the efforts of fourth European Thematic Network in Computing to have an active scientific life and will support all your research contributions.

We are glad that the CompSysTech conference is already well recognised and gets more popular in Europa. The fact that today in this hall there are scientists from almost 30 countries is an eloquent evidence for this. Another evidence for the attractive power and the level of the conference is the fact that for the last 9 years the CompSysTech papers have been published in the Digital Library of the Association for Computing Machinery, the most prestigious organization in the field of Computing, and are indexed by SCOPUS. The profile of the conference in Google Scholar is also very impressive.

I wish all participants in the conference successful presentations and beneficial contacts!

The Plenary Session comprised of the following papers:



PAOLO ATZENI

Head of Department of Engineering, Informatics and Automation, University Roma Tre, Italy

<http://www.dia.uniroma3.it/~atzeni/>

Data Modelling in the NoSQL World



SEBASTIANO BATTIATO

Department of Mathematics and Computer Science, University of Catania, Italy

<http://www.dmi.unict.it/~battiato>

Multimedia Forensics: discovering the history of multimedia contents. Recent trends and perspectives



DIMITAR JETCHEV

Section des Mathematiques SMA, Ecole Polytechnique Federale de Lausanne (EPFL), Switzerland

<https://people.epfl.ch/dimitar.jetchev/bio?lang=en&cvlang=en>

Secure operations on encrypted data for the cloud



The papers - a total of 55 - were allocated in 6 sections.

The Conference Programme also included a Co-Event – Workshop “Advances in high performance information services for digital, multilingual education” (AHPISDME) which comprised of 13 papers.

Session A1 Software Engineering (1) Number of papers: 6	Session B1 Image Processing & Computer Vision Number of papers: 6	Session C1 Workshop AHPISDME (1) Number of papers: 6
Session A2 Software Engineering (2) Number of papers: 3 Software Security & Computer Networks Number of papers: 4	Session B2 AI in Medicine & Healthcare Number of papers: 6	Session C2 Workshop AHPISDME (2) Number of papers: 7
Session A3 Cloud Computing & Distributed Systems Number of papers: 5 Hardware Number of papers: 1	Session B3 AI in Localization Number of papers: 4 Biometrics Number of papers: 3	Session D Information Retrieval & Language Processing Number of papers: 4

Scientists from 28 European countries participated in the conference with papers or as listeners.



Following nominations by the section chairpersons, the Programme Committee awarded a **"BEST PAPER"** crystal prize and honorary diplomas to the authors of the plenary reports as well as the following papers:

- **SOFTWARE ENGINEERING**

Games as Software – Similarities and Differences between the Implementation Projects

Jussi Kasurinen

An Evaluation Framework for Cross-Platform Mobile App Development Tools: A case analysis of Adobe PhoneGap framework

Ville Ahti, Sami Hyrynsalmi, Olli Nevalainen

Development of a Tool for the Graphical Modelling of 3D CAD Models using a Rapid Prototyping Framework

Vishnu Prashanth Murugan, Robert Scheffler, Gregor Wrobel, Dr. Matthias Pleßow

- **SOFTWARE SECURITY AND COMPUTER NETWORKS**

A Model for Establishing Response-time Bounds to Prevent Malware Pandemics in Mobile Devices

Stavros D. Nikolopoulos, Iosif Polenakis

- **CLOUD COMPUTING AND DISTRIBUTED SYSTEMS**

SESAMO: An Integrated Framework for Gathering, Managing and Sharing Environmental Data

Vincenzo Agate, Calogero Crapanzano, Alessandra De Paola, Salvatore Gaglio, Goffredo La Loggia

- **IMAGE PROCESSING AND COMPUTER VISION**

A Multi-spectral Stereo Method to Retrieve Cloud top Height applied to Geostationary Satellite images

Anna Anzalone, Francesco Isgrò

- **AI IN MEDICINE AND HEALTHCARE**

Automatic detection system of micro sleeps of car drivers based on EEG analysis

Leon Rothkrantz

Classification Experiments of DNA Sequences by Using a Deep Neural Network and Chaos Game Representation

Riccardo Rizzo, Antonino Fiannaca, Massimo La Rosa, Alfonso Urso

- **AI IN LOCALIZATION**

Indoor Localization Based on Beacons and Calculated by Particle Filter

Peter Filípek, Alena Kovárová

- **BIOMETRICS**

Eye Tracking for Cultural Heritage: a Gaze-controlled System for Handless Interaction with Artworks

Virginio Cantoni, Marco Porta, Lorenzo Merlano, Nahumi Nugrahaningsih

- **WORKSHOP**

"Advances in high performance services for digital, multilingual education" (AHPISDME)

Towards a Constructionist Serious Game Engine

Adilson Vahldick, António José Mendes, Maria José Marcelino

e-assessment – students' point of view

Ásrún Matthíasdóttir, Hallgrímur Arnalds

The Flipped Classroom Method: Lessons Learned from Flipping Two Programming Courses

Antti Knutas, Antti Herala, Erno Vanhala, Jouni Ikonen

- **INFORMATION PRETRIEVAL AND LANGUAGE PROCESSING**

GI-learning: an optimized framework for grammatical inference

Pietro Cottone, Marco Ortolani, Gabriele Pergola

The prizes were provided by the Conference sponsors and were handed out by Prof. Domenico Tegolo – the co-chair of the INTERNATIONAL PROGRAMME COMMITTEE.

A special prize "Prof. Vito Di Gesù AWARD" was provided by the Department of Mathematics and Informatics at the University of Palermo. It was awarded to the young researcher Mario Koddenbrock for the paper

An innovative 3D color barcode - Intuitive and realistic visualization of digital data

Mario Koddenbrock, Daniel Herfert, Frank Püschel, Cornelia Rataj, Matthias Melitzki

Future Education and Training in Computing: How to Support Learning at Anytime Anywhere





After the Session the participants took a tour around the Botanic Garden and had a social evening at the grand hotel Piazza Borsa.



All the participants and guests of the conference share the opinion that its main goal "to intensify the information exchange of the results in theoretical research and practical developments in the field of Computing" has been widely achieved.

Since 2007 the Association for Computing Machinery (ACM) Inc. is the Publisher of the CompSysTech Proceedings at the level of full papers. All papers are in English, which is a premise for their popularization, referencing and quoting by other authors.

From 2007 the papers are published in the digital library of ACM.

A link to the proceedings have been published on the conference Web site - <http://www.compsystech.org/>.



Future Education and Training in Computing: How to Support Learning at Anytime Anywhere

The CompSysTech papers are indexed by SCOPUS. The conference has a profile in Google Scholar.

The screenshot shows the Scopus website interface. The search bar contains 'CompSysTech'. The search results show 4 document results. The search history shows '1 TITLE-ABS-KEY (compsys tech)'. The search filters include Date Range (All years), Document Type (ALL), and Subject Areas (Life Sciences, Health Sciences, Physical Sciences, Social Sciences & Humanities).

Scopus

Search Alerts Lists My Scopus

Register now for the free Scopus webinar on July 21st: Learn about what types of APIs Scopus offers and how they can benefit you

Document search | Author search | Affiliation search | Advanced search | Browse Sources | Compare journals

CompSysTech

Article Title, Abstract, Keywords

Limit to:

Date Range (inclusive): Published [All years] to Present [30] days

Document Type: ALL

Subject Areas: Life Sciences (> 4,300 titles), Health Sciences (> 6,800 titles - 100% Medicine coverage), Physical Sciences (> 7,200 titles), Social Sciences & Humanities (> 5,300 titles)

Search history: 1 TITLE-ABS-KEY (compsys tech) 4 document results

Top of page

About Scopus | What is Scopus | Content coverage | Scopus Blog | Scopus API

Language: 日本語に切り替える | 切换到繁体中文 | 切换到简体中文

Customer Service: Help and Contact

ELSEVIER

Terms and Conditions | Privacy policy

Copyright © 2016 Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V. Cookies are set by this site. To decline them or learn more, visit our Cookies page

RELX Group

The screenshot shows the Google Scholar website interface. The search bar contains 'CompSysTech'. The search results show a list of papers with their titles, authors, and citation counts. The citation indices show a bar chart of citations from 2008 to 2016.

Google Scholar

CompSysTech

International Conference on Computer Systems and Technologies

computer systems and information technologies

Verified email at ecs.uni-ruse.bg - Homepage

Citation Indices

Citations: 4547, h-index: 25, i10-index: 107

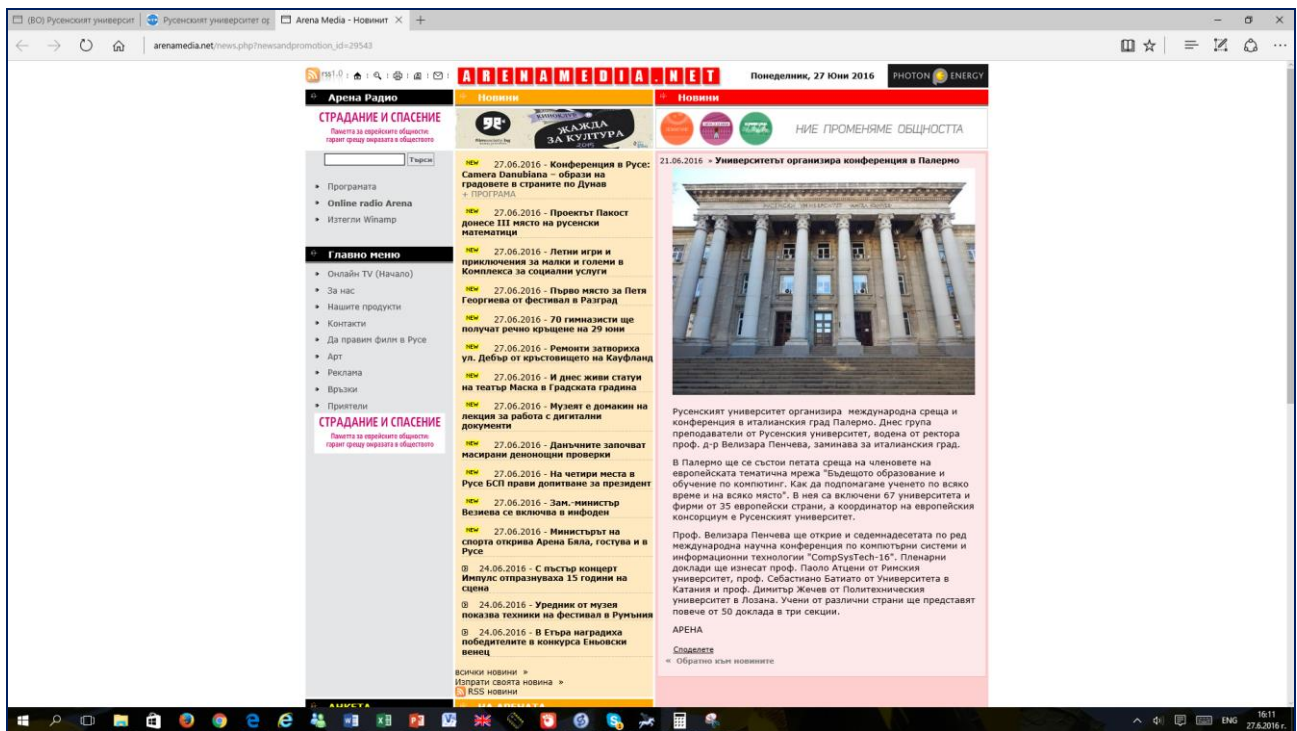
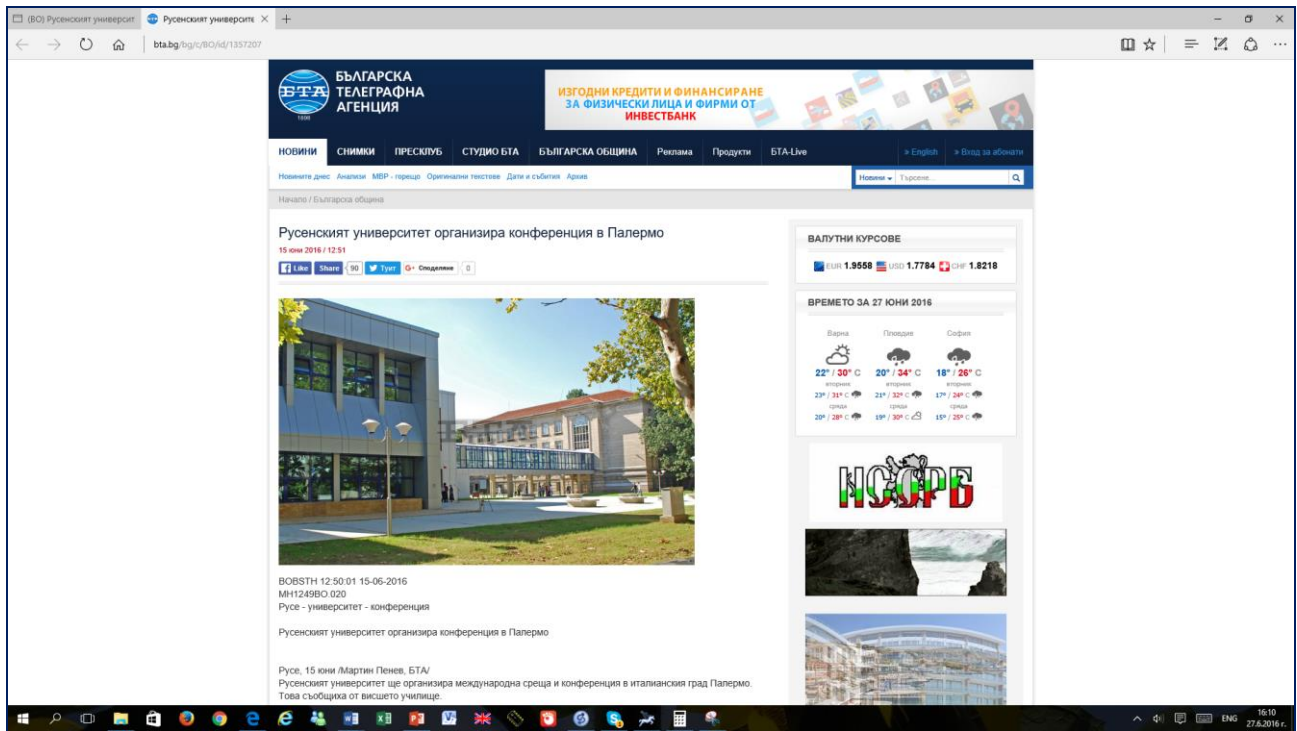
Since 2011

3011, 19, 56

2008 2009 2010 2011 2012 2013 2014 2015 2016

Title	1-20	Cited by	Year
M-learning-a New Stage of E-Learning	T Georgiev, E Georgieva, A Smirnarov	338	2004
Emotion recognition using brain activity	R Hoefling, D Dalcu, LJM Rothkrantz	150	2008
Computer-based plagiarism detection methods and tools: an overview	R Lukashenko, V Gaudina, J Grundsperis	124	2007
A study of a target tracking algorithm using global nearest neighbor approach	P Konstantinova, A Udrarev, T Semerdjiev	90	2003
Comparison of genetic algorithm and particle swarm optimization	KD Jones	60	2005
A general classification of mobile learning systems	E Georgieva, A Smirnarov, T Georgiev	57	2005
Mobile learning and integration of advanced technologies in education	N Yordanova	54	2007
A fuzzy expert system design for diagnosis of prostate cancer	I Saritas, N Allahverdi, RJ Serf	53	2003
Indoor navigation system for visually impaired	R Ivanov	52	2010
Computer technologies for 3d video delivery for home entertainment	A Gotchev	51	2008
Building ontologies from relational databases using reverse engineering methods		45	2007

The conference was announced in all regional media.



Future Education and Training in Computing: How to Support Learning at Anytime Anywhere

The screenshot shows the Ruseinfo.net website. At the top, there are several banners: "SPIRIT FINE PAINTS", "ВТОРОТО МИ АЗ Е БЕЗУПРЕЧЕН", and a "-20%" discount banner. Below the banners, the website header includes the "ruseinfo" logo and navigation links like "Фирмени профили", "Бюро 'Справки'", "Новини", "Обяви", "Афиш", and "Контакти". The main content area features a news article titled "Русенският университет организира конференция в Палермо" dated 15 юни 2016. The article discusses a conference organized by the Ruse University, focusing on computer systems and information technologies. It mentions that the conference is part of a series of international scientific conferences organized by the university. The article also includes a quote from Prof. Pencheva, the rector of the university, and mentions the participation of 67 university professors and 35 foreign companies. The article is accompanied by a small image of a person and a logo for "МЕДИКА".

The screenshot shows the UTRF website. At the top, there is a banner for "УТРФ" (UTRF) with a world map and a building image. Below the banner, the website header includes the "UTRF" logo and navigation links like "Русе", "България", "Свет", "Здраве", "Воспитание", "Спорт", "PDF Архив", "Контакти", and "Реклама". The main content area features a news article titled "17-а среща по компютърни системи провежда в Палермо Русенският университет" dated 15 юни 2016. The article discusses a conference organized by the Ruse University, focusing on computer systems and information technologies. It mentions that the conference is part of a series of international scientific conferences organized by the university. The article also includes a quote from Prof. Pencheva, the rector of the university, and mentions the participation of 67 university professors and 35 foreign companies. The article is accompanied by a small image of a person and a logo for "МЕДИКА".