

**MEETINGS**

**MINUTES  
and  
MAIN RESULTS  
of the  
MEETING**

**held on 14 to 17 June 2006 in Veliko Tarnovo**

In this Meeting **87 representatives of 22 European countries** took part, including Germany, Spain, France, Ireland, The Nederland, Austria, Portugal, Finland, Sweden, UK, Island, Bulgaria, Czech Republic, Estonia, Cyprus, Latvia, Lithuania, Malta, Poland, Romania, Slovak Republic, Turkey.



**The project meeting was conducted with the following agenda:**

- Welcome Address of the Vice Rector of the University of Veliko Turnovo to the Meeting participants.
- Introduction of the Meeting participants.
- Report about completed work – Assoc. Prof. Angel Smrikarov. Discussion.
- Report about completed work from the EG for Devising the Questionnaires – Assoc. Prof. Dimo Dimov. Discussion.
- Report about completed work from the EGs:
  - Computer Science – Assoc. Prof. Plamenka Borovska. Discussion.
  - Computer Engineering – Assoc. Prof. Alexander Sudnitson. Discussion.
  - Software Engineering – Assoc. Prof. Milko Marinov. Discussion.
  - Information Systems – Assoc. Prof. Frantisek Hunka. Discussion.

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- Discussing and adopting a sample structure of a curriculum for PhD students.
- Report about completed work from the EG for Quality Assurance system – Assoc. Prof. Karl O. Jones. Discussion.
- Specifying future activities. Discussion.
- Planning the next meeting.
- Discussing project budget and the scheme for distribution and accounting of funds.
- Clarifying some of the financial rules for project work.
- Any other business.

The meeting was opened by the Head of Department of Computing at the University of Veliko Turnovo Assoc. Prof. Dr. Margarita Todorova. The Vice Rector of the University of Veliko Turnovo Assoc. Prof. Dr. Hristo Glushkov welcomed participants in the Meeting. The Coordinator of the Thematic Network Assoc. Prof. Dr. Angel Smrikarov presented a detailed report about the completed work and marked the forthcoming activities.



During the break the meeting participants continued their discussion in an informal environment.

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Assoc. Prof. Dr. Dimo Dimov reported about completed work by the EG for Devising the Questionnaires.



Assoc. Prof. Dr. Plamenka Borovska reported about completed work by the EG Computer Science.



Assoc. Prof. Dr. Alexander Sudnitson reported about completed work by the EG Computer Engineering.



Assoc. Prof. Dr. Milko Marinov reported about completed work by the EG Software Engineering.



Assoc. Prof. Dr. Frantisek Hunka reported about completed work by the EG Information Systems.



The project Manager Mrs. Stoyanka Smrikarova presented a sample structure of a curriculum for PhD students.



Assoc. Prof. Dr. Karl O. Jones reported about completed work by the EG for Quality Assurance system.



Mrs. Smrikarova gave some detailed explanations about important financial issues.



It was decided that the next project meeting would take place in Coimbra from 6<sup>th</sup> to 10<sup>th</sup> of September 2006 and after the meeting an international e-Learning conference would take place with a workshop for PhD students. All participants in the meeting were present at the CompSysTech'06 conference, whose organization is included in the work plan of ETN DEC for the second year. In the CompSysTech'06 conference 89 Bulgarian and 46 foreign scientists took part.

The conference was opened with an address of the Ministry of Education and Science. Here is the complete text of the address:

**Dear Colleges,**

First we would like to thank the Programme and Organizing Committees of the International conference on Computer Systems and Technology **CompSysTech'2006** for inviting us to be present at its opening.

The Ministry of Education and Science considers that convening such a conference in the first decade of the 21<sup>st</sup> century, which is announced as a **Century of the Information Technologies**, is more than necessary. That is why for 7 years in a row the Ministry has supported the idea of the Academic Society of Lecturers in Computer Systems and Technologies and agreed to be a patron of the conference.

Today, when the Computer Systems and Technologies penetrate deeper and deeper in all spheres of the human activities, it is of great importance to strengthen and deepen the links between scientists and specialists working in this area, to accelerate the exchange of information about research and development results. This exactly is the objective of **CompSysTech'2006**.

This is the 7-th edition of the conference, but it has already received international publicity and recognition. An evidence for this is the fact that the conference was included in the events calendar of one of the biggest and most influential scientific organisations in the computer field, namely the Association for Computing Machinery, as well as the participation of many scientists from European countries and the USA.

**During these 7 years Your Society has strengthen its positions as a working Academic Society and initiated projects with a national importance like the establishment of the Virtual Department of Computing "John Atanasoff", the Virtual Faculty of Information and Communication Technologies and the Bulgarian Virtual University, which are developing very successfully thanks to the close cooperation with the Ministry of Education and Science and State Agency for Information Technology and Communications.**

**As a conclusion we wish all the participants in the conference a good health and a creative work!**

**From the Ministry of Education and Science**

Three papers were presented during the plenary session:

- VISP: a software platform for process automation in a digital cluster SMEs acting as a Virtual ISP  
**Eric Mannie-Corbisier, Henri-Jean Pollet**
- Collaborative knowledge, data and control generation for real time information and control system  
**Evtim Peytchev**
- Benchmarking e-Bulgaria: From measuring to policy-making  
**Todor Yalamov**



The conference continued its work on the next day in sections. The number of the papers totaled 109, which were distributed in 5 sections as follows:

1. Computer Systems (Hardware) – 4 papers.
2. Computer Systems (Software) – 18 papers.
3. Application aspects of computer systems and technologies – 53 papers.
4. Educational aspects of computer systems and technologies – 19 papers.
5. Section for PhD students – 15 papers.



In the end, in each of the five sections, the authors of the most interesting and well presented papers as well as the best young scientists and PhD students were given awards from the STATE AGENCY FOR INFORMATION TECHNOLOGY AND COMMUNICATIONS. Names of awarded in Sections as follows:

**Section 1 „Computer Systems (Hardware)”:**



- Packet Error Rate Recognition for a Noisy Communication Channel  
**Georgi Naydenov, Petko Soyanov**
- Introducing the newest Philips' microcontrollers into secured telemetry wireless applications.  
**Boris Ribov**

**Section 2 „Computer Systems (Software)”:**

- Transferring online formatted HTML layouts into Flash and PDF  
**Nikolaj Cholakov**
- Generic modular framework for robotic arm applications  
**Sergi Hernandez Juan, Josep M. Mirats Tur**

**Section 3A „Application Aspects of Computer Systems and Technologies”:**

- Tuning classification for prime implicants based learner  
**Ludmil Dakovski, Zekie Shevked**
- Controller Network Data Extracting Protocol - Design and Implementation  
**Nikolay Kakanakov, Ivan Stankov, Mitko Shopov, Grisha Spasov**

**Section 3B „ Application Aspects of Computer Systems and Technologies”:**

- Signature verification via hand-pen motion investigation  
**Mladen Savov, Georgi Gluhchev, Ognjan Bumbarov**
- Harmonic methods for solid noise filtering from the image periphery  
**Dimo Dimov, Nadezhda Zlateva**

**Section 4 „Educational Aspects of Computer Systems and Technologies”:**

- Two-Level Multiple-Output Combinational Networks Design Web-based Tutoring Tool  
**Vladimir Mateev**
- How to teach programming language to novice students? Lecturing or not?  
**Asrun Matthiasdottir**

**Section 5 - PhD students:**

- An algorithm for automatic assignment of reviewers to papers  
**Yordan Kalmukov**
- Constructing Knowledge for Automated Text-Based Emotion Expressions  
**Siska Fitrianie, Leon J.M. Rothkrantz**
- A Model of a New e-Learning Shell Authoring Tool  
**Tsvetan Hristov**
- Classification and Recognition of Neume Note Notation in Historical Documents  
**Lasko Laskov**
- Recursive Estimation of Dynamic Time Varying Demand Model  
**Alexander Efremov**
- Applicability of Use-Case Modeling for Virtual Learning Environments  
**Galina Ivanova**

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The conference continued in restaurant “Yantra” of Veliko Tarnovo.

