MINUTES
and
MAIN RESULTS
of the
MEETING
held on 16 to 17 June 2005 in Varna

In this First Meeting **65 representatives of 25 European countries** took part, including Belgium, France, Germany, Greece, Spain, Ireland, Italy, The Nederland, Austria, Portugal, Finland, Sweden, UK, Island, Bulgaria, Czech Republic, Estonia, Cyprus, Latvia, Lithuania, Malta, Poland, Romania, Slovenia, Slovak Republic, Turkey.

The project meeting was conducted with the following agenda:

- Welcome Address of the Head of Department of Computing at the Technical University of Varna to the Meeting Participants.
- Introduction of the meeting participants.
- Report about completed work. Discussion.
- Specifying future activities. Discussion.
- Information about tasks of MG, EGs, WGs, EB.
- Discussing and adopting members of each group.
- Electing a head for each group.
- Discussing project budget and the scheme for distribution and accounting of funds.

- Clarifying some of the financial rules for project work.
- Planning the next meeting.
- Information about the TechnoTN forum, 20-21.05.05 in Brussels.
- Any other business.

The meeting was opened by the Head of Department of Computing at the Technical University of Varna Assoc. Prof. Dr. Petar Antonov. 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.

The Manager of the Project Stoyanka Smrikarova clear the tasks of the MG, EGs, WGs and EB and make a preposition for the members and their heads, giving detailed explanations for important financial points of the project.

It was decided that the next project meeting would take place in Berlin from 5th to 7th of September and after the meeting an e-Learning conference would take place with a workshop for PhD students.

Assoc. Prof. Dr. Tzvetomir Vassilev presented detailed information about the TechnoTN forum, held on 20-21.05.05 in Brussels.

All participants in the meeting were present at the CompSysTech'2005 conference, whose organization is included in the work plan of ETN DEC for the first year. In the CompSysTech'05 conference 218 Bulgarian and 51 foreign scientists took part.

The conference was opened with an address of the Minister of Education and Science (MES). Here is the complete text of the address:

Dear Participants,

First I would like to thank the Programme and Organizing Committees of the International conference on Computer Systems and Technology **CompSysTech'2005** for inviting me to be present at its opening.
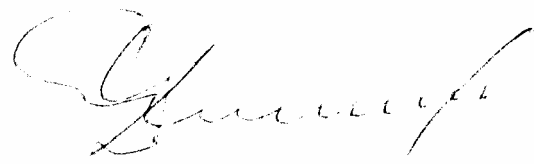
The Ministry of Education and Science considers that convening such a conference at the beginning of the 21st century, which is announced as a Century of the Information Technologies, is more than necessary. That is why for six years in a row the Ministry supports the idea of the Academic Society of 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'2005**.

This is the sixth 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 six 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 Information and Communication Technologies Development Agency.

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

Igor Damyanov
Minister of the Ministry of Education and Science.

Greeting speeches to the conference participants were also delivered by Prof. Vasil Smarkov - Vice Rector of the Technical University of Varna, by Academician Kiril Boyanov and by Academician Peter Kenderov.

Three papers were presented during the plenary session:
- Visual Information Retrieval: The Next Frontier in Search, by Ramesh Jain
- Main Points of the European Research Policy in the Information and Communication Technologies, by Kiril Boyanov, Dimitar Todorov
- Presentation of the FP6 Kaleidoscope NoE Project, by Roumen Nikolov

The conference continued its work on the next day in sections. The number of the papers totaled 119, which were distributed in 5 sections as follows:

1. Computer Systems (Hardware) – 5 papers.
2. Computer Systems (Software) – 23 papers.
3. Application aspects of computer systems and technologies
3A. Application aspects of computer systems and technologies – 26 papers.
3B. Application aspects of computer systems and technologies – 26 papers.
4. Educational aspects of computer systems and technologies – 24 papers.

During the conference a **Work Shop for PhD students** took place. Its main lecturers were
- Prof. Dr. Ramesh Jain – Georgia Institute of Technology, Chairman of ACM Special Interest Group on Multimedia (ACM SIGMM) 2003.
- Prof. Candelaria Hernandez-Goya – University of La Laguna, Spain

15 papers were presented by doctoral students too. A total of **25 PhD students** presented papers at the conference**.**

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 form the BUAI.

Names of awarded in Sections as follows:

Section 1 „Computer Systems (Hardware)”:
- FPGA Based Micro Controller for Voice Message Synthesis
  Ivan Kanev
- A Method for Decreasing the Multi-path Interference in Digital Data Transmission Over Wireless Radio Channels and its Implementation on Single Chip

Microcontroller as a Wireless Data Encoder
Boris Ribov

Section 2 „Computer Systems (Software)":
- An Algorithm for Fast Software Encryption
  Zhaneta Tasheva
- Modelling a Cognitive and Emotional Analysis and Behaviour
  Dilyana Budakova

Section 3A „Application Aspects of Computer Systems and Technologies":
- Experimental Specifics of Using Hmm in Isolated Word Speech Recognition
  Dimo Dimov
- Automatic Slope Evaluation of Handwritten Text
  Georgi Gluhchev

Section 3B „ Application Aspects of Computer Systems and Technologies":
- Bulgarian Language Speech and Lip-Sync Animation
  Vesselin Gueorguiev
- Distortion Measures for Sparse Signals
  German Gomez-Herrero

Section 4 „Educational Aspects of Computer Systems and Technologies":
- A Web-Based System to Support Java Programming Learning
  Antonio Mendes
- Distance Education in Computer Science
  Asrun Matthiasdottir

Section 5 - PhD students:
- Investigation of a Parallel Resistorless ADC
  Maria Stanoeva
- A Training Software Model of von Neumann Register Machine
  Orlin Tomov

The conference continued in the restaurant of the Technical University.