IICT, BAS, Sofia, and our collaboration with CLVM

an introduction by D. Dimov

at Computer Vision and Multimedia Lab
University of Pavia
Nov. 15, 2016
The official site (home page) of BAS

http://www.bas.bg/
At least 4 buildings of IICT can be pointed herein

- Block 2: the main building
- Block 2-A: jointly with the Sofia University
- Block 25-A: the management body
- Block 29-A: under reconstruction
IICT-BAS, the main building (block 2)
IICT - BAS

The Institute of Information and Communication Technologies (IICT) at the Bulgarian Academy of Sciences is founded on 1-st of July 2010 as a successor of Institute for Parallel Processing (IPP), Institute of Information Technologies (IIT) and Institute of Computer and Communication Systems (ICCS).

The research and development activities of Institute of Information and Communication Technologies covers the following directions:

- Computer Networks and Architectures
- Parallel Algorithms
- Scientific Computations
- Mathematical Methods for Sensor Data Processing
- Linguistic Modelling and Knowledge Processing
- Information Technologies for Security
- Grid Technologies and Applications
- Modelling and Optimization
- Information Processes and Decision Support Systems
- Intelligent systems
- Embedded Intelligent Technologies
- Communication Systems and Services
- Hierarchical Systems
**MANAGEMENT BODY**

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<th>Role</th>
<th>Name</th>
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<tr>
<td>DIRECTOR</td>
<td>PROF. D.SC. SVETOZAR MARGENOV</td>
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<td>DEPUTY DIRECTOR</td>
<td>ASSOC. PROF. KRASSIMIR GEORGIJEV</td>
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<td>DEPUTY DIRECTOR</td>
<td>ASSOC. PROF. IVAN MUSTAKEROV</td>
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<td>DEPUTY DIRECTOR</td>
<td>ASSOC. PROF. ZLATOLILJA ILCHEVA</td>
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<td>SCIENTIFIC COUNCIL CHAIRMAN</td>
<td>PROF. D.SC. IVAN DIMOV</td>
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<tr>
<td>SCIENTIFIC SECRETARY</td>
<td>ASSOC. PROF. GENNADY AGRE</td>
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<tr>
<td>CHAIRMAN OF SCIENTISTS GENERAL ASSEMBLY</td>
<td>ASSOC. PROF. DIMO DIMOV</td>
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**DEPARTMENTS**

- **Computer Networks and Architectures**
  Head: Assoc. Prof. Dimilar Todrov
- **Scientific Computations**
  Head: Professor D.Sc. Svetozar Margenov
- **Linguistic Modelling**
  Head: Professor D.Sc. Galia Angelova
- **Grid Technologies and Applications**
  Head: Assoc. Prof. Emancoul Atanassov
- **Modelling and Optimization**
  Head: Assoc. Prof. Vladimir Monov
- **Information Processes and Decision Support Systems**
  Head: Assoc. Prof. Ivan Mustakerov
- **Embedded Intelligent Technologies**
  Head: Assoc. Prof. Dimitar Karastoyanov
- **Hierarchical Systems**
  Head: Professor D.Sc. Todor Stoilov
- **Parallel Algorithms**
  Head: Professor D.Sc. Ivan Dimov
- **Mathematical Methods for Sensor Data Processing**
  Head: Assoc. Prof. Kirl Alexiev
- **Information Technologies for Security**
  Head: Assoc. Prof. Todor Tagarev
- **Technologies for Knowledge Management and Processing**
  Head: Assoc. Prof. Gennady Agre
- **Signal Processing and Pattern Recognition**
  Head: Assoc. Prof. Dimo Dimov
- **Intelligent Systems**
  Head: Assoc. Prof. Lyubka Doukovska
- **Communication Systems and Services**
  Head: Assoc. Prof. Rumen Andreiev

**ADMINISTRATIVE AND SPECIALIZED UNITS**

- Inspection Body
- Coordination, Information and Publishing
- Service and Support
- Financial & Accounting Unit
- Human Resources

For recent details, please visit [http://www.iict.bas.bg](http://www.iict.bas.bg)
**the AComIn project of IICT**

http://www.iict.bas.bg/acomin/

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**AComIn: Advanced Computing for Innovation**

**Funding:** FP7 Capacity Programme, Research Potential of Convergence Regions  
**Call:** FP7-REGPOT-2012-2013-1  
**Duration:** 42 months (actually 36, only Evaluation by external experts will run in months 37-42)  
**Grant Agreement:** 316087  
**Starting Date:** 1 October 2012  
**Host organisation:** Institute of Information and Communication Technologies (IICT) Bulgarian Academy of Sciences (BAS)  
**Coordinator:** Prof. Galla Angelova, Dr.Sc.

**Partners:**

- Prof. Asen Asenov - Gold Standard Simulations Ltd. & University of Glasgow, Device Modelling Group  
- Prof. Oleg Iliev - Department of Flow and Material Simulation at the Fraunhofer Institute for Industrial Mathematics (ITWM)- Kaiserslautern  
- Prof. John Domingue - STI International  
- Prof. Virginia Cantoni - Computer Vision & Multimedia Lab CVML, University of Pavia  
- Prof. Ivan Kalaykov - Centre for Applied Autonomous Sensor Systems, School of Science and Technology, Örebro University  
- Prof. Markos Papageorgiou - Dynamic Systems and Simulation Laboratory, Department of Production Engineering and Management, TU Crete  
- Karina Angelieva - Joint Innovation Centre, Bulgarian Academy of Sciences
AComIn: Purchasing Smart Lab

For more details, please visit [http://www.iict.bas.bg/acomin/smartLab.html](http://www.iict.bas.bg/acomin/smartLab.html)
AComIn: the equipment...

XT H 225
Industrial X-ray and Computed Tomography
AComIn: the equipment...

ZPrinter Z650

- 10" X 15" X 8" - Build size
- .0035" - Z Layer thickness
- 540 X 600 - XY DPI resolution
- 74" X 29" X 57" - Machine size
- 24 Bit color (390,000 colors)

ZScanner Z700cx

- 18,000 Scan points per second
- .002" - Scan accuracy
- 2.85 lbs Weight
- .004" Scan point resolution
- 3 Cameras (2 - scan, 1 color)
- 250 DPI Color scanning resolution
the (former) SP&PR department of IICT

For more details, please visit http://www.iict.bas.bg/SPIR/index-en.html
the (current) MMSIP department of IICT

For more details, please visit  http://mmsip.bas.bg/
Future Education and Training in Computing: How to support learning at anytime anywhere

NEWS & UPCOMING EVENTS

Final FETCH meeting in Bratislava (updated)
23 August 2016
The final project meeting will be held at the Slovak University of Technology in Bratislava, Slovak from 6 to 10 ... read more ...

Fifth project meeting in Palermo
09 June 2016
The fifth project meeting will be held in Palermo, Italy from 21 to 25 June 2016. You can find attached some useful ... read more ...

CompSysTech 2016
18 May 2016
CompSysTech 2016 will take place on 23-24 June 2016 in Palermo, Italy. Reviewing of papers is still in progress. ... read more ...

Fourth project meeting in Berlin (updated)
03 September 2015
The fourth project meeting will take place in Berlin, Germany from 9 to 13 September 2015. You can find attached ... read more ...

Paper submission of e-Learning'15
**BIOMET 2014**

**International Workshop on Biometrics**

in the framework of

**AComIn**

Advanced Computing for Innovation

in conjunction with the

**European COST Action - IC1106**

Integrating Biometrics and Forensics for the Digital Age

**IMPORTANT DATES**

Deadline extended!

- Paper submission: 30 April 2014
- 18 May 2014
- Notifications: 10 June 2014
- Camera-ready due: 30 July 2014
- Workshop: 23-24 June 2014

**Venue:** Sofia (Bulgaria)

- Download the BIOMET 2014 Program [here](http://mmsip.bas.bg/staff/dimov.html).
- Call for Papers on [PDF](http://mmsip.bas.bg/staff/dimov.html).


Editor: Virginia Cantoni, Dino Dimov, Massimo Tistarelli. ISBN 978-3-319-13366-7 (Print)

**MOTIVATIONS AND AIMS.** Biometrics (or biometric authentication) refers to the identification of humans by their characteristics or traits. Biometrics is used in computer science as a form of identification and access control and to identify individuals in groups that are under surveillance. BIOMET 2014 is intended to provide a forum to present current work and new ideas in this challenging field. It promotes and continues the Biometrics tradition (2007-2015) of the CompoSysTech International Conference, one of the longest running international conferences in computer science in Bulgaria that started in 2000.

At the same time, BIOMET 2014 is primarily connected with the goal of the ICT-BASE project to disseminate recent advances in Biometrics among the research groups and companies in Bulgaria and Balkan countries as well.

**SCOPE & CALL FOR PAPERS.** The BIOMET 2014 scope of Call-for-papers includes, but is not limited to, the following subareas:

- Face and facial attributes analysis
- Fingerprints and palm authentication
- Forensic biometrics
- Gait and behavior analysis
- Handwriting and signature recognition
- Iris analysis and eye tracking
- Keystroke dynamics analysis
- Multimodal biometrics
- Odor and scent analysis
- Private biometrics
- Soft biometrics
- Voice recognition and speech analysis

**FORMAT.** The workshop will feature contributed talks as well as invited presentations. Moreover, feeling that the more informal the better, open and lively discussions and exchange of ideas are solicited. Some panels are allocated to stimulate questions and discussions. Companies are encouraged to participate with demos and posters.

**ORGANIZATION**

- Program Chairs:
  - Virginia Cantoni, University of Pavia / I
  - Dino Dimov, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences

- Dimo Dimov, dtdim@iinf.bas.bg

**http://vision.unipv.it/BIOMET-2014/**
Thank you

(let us continue if no ”?” 😊 )