



## WORKSHOP

### *Information and Communication Technologies for Human Health and Quality of Life (ICT-HuHeQuL)*

May 15-17, 2013, Stara Zagora Mineral Baths, ARMIRA Hotel

**Partially supported by the ACoMIn project (Advanced Computing for Innovation)**

#### *Program Committee:*

*Chair: Prof. Dr. Dimitar Karastoyanov*

#### *Members:*

*Acad. Vassil Sgurev*  
*Prof. Dr. Sc. Svetozar Margenov*  
*Prof. Dr. Sc. Galia Angelova*  
*Prof. Dr. Sc. Ivan Dimov*  
*Prof. Dr. Sc. Ivan Yatchev*  
*Prof. Dr. Kostadin Kostadinov*  
*Prof. Dr. Todor Neshkov*  
*Prof. Dr. Dimitar Tcharaktchiev*

#### *Topics:*

- **ICT for Human Health**
- **ICT for Quality of Life**
- **ICT in Medical Robotics**
- **ICT for Healthful Food**

#### *Invited Speakers:*

1. Prof. Dr. Sc. Ivan Yatchev – Dean of Electro Faculty, Technical University-Sofia
2. Prof. Dr. Todor Neshkov - IEEE, Robotics & Automation Chapter, TU-Sofia
3. Prof. Dr. Kostadin Kostadinov - GIS Transfer Centre, Inst. Of Mechanics – BAS
4. Prof. Benislav Vanev - Union of Automation and Informatics, Fed. of Sci. Tech. Unions
5. Prof. Nedko Shivarov–ISER-BAS



### Preliminary Program:

May 15, 2013,	14.00 - 15.00 -	Registration
May 15, 2013,	15.00 – 15.15 -	Opening Ceremony
May 15, 2013,	15.15 - 17.15 -	
	Welcoming Speech from IICT-BAS	Director of IICT-BAS
	Welcoming Speech from Local Administration	Municipality and District
	Welcoming Speech from AComIn Project	Leader of AComIn Project
	Plenary Lecture: AComIn Objectives	Prof. Dr. Sc. Galia Angelova
	Plenary Lecture: ICT for Human Health and Quality of Life:	Acad. Vassil Sgurev
	Plenary Lecture: ICT in Mechatronics and Robotics	Prof. Dr. TodorNeshkov
May 15, 2013,	17.15 - 17.30 -	Coffee Break
May 15, 2013,	17.30 - 18.00 -	Company Business Presentations (incl. posters, demos)
May 15, 2013,	19.00 - 22.00 -	Welcoming Dinner
May 16, 2013,	09.00 - 10.15 -	<b>Session ICT for Human Health</b>
	Plenary Lecture:	
	Oral Presentations:	
May 16, 2013,	10.15 - 10.30 -	Coffee Break
May 16, 2013,	10.30 - 11.45 -	<b>Session ICT in Medical Robotics</b>
	Plenary Lecture:	
	Oral Presentations:	
May 16, 2013,	11.45 - 12.15 -	Company Business Presentations (incl. posters, demos)
May 16, 2013,	14.00 - 15.15 -	<b>Session ICT for Quality of Life</b>
	Plenary Lecture:	
	Oral Presentations:	
May 16, 2013,	15.15 - 15.30 -	Coffee Break
May 16, 2013,	15.30 - 16.45 -	<b>Session ICT for Healthful Food</b>
	Plenary Lecture:	
	Oral Presentations:	
May 16, 2013,	16.45 - 17.15 -	Company Business Presentations (incl. posters, demos)
May 16, 2013,	17.15 - 17.30 -	Closing Ceremony
May 16, 2013,	19.00 - 22.00 -	Closing Dinner



### **Oral Presentations:**

1. Stefka Fidanova, Protein Structure Simulation.
2. Olympia Roeva, Stefka Fidanova, Modeling E.coli Cultivation Process
3. Tony Boyadjiev, Automated Bone Drilling in Orthopedic Surgery
4. Stanislav Simeonov, Assistive Computer Interface for Visually Impaired
5. Ivan Yatchev, Krastio Hinov, Dimitar Karastoyanov., Permanent Magnet Linear Actuator for Braille Screen
6. Iliana Nacheva, Maria Doneva, Yancho Todorov, Petia Metodieva, Daniela Miteva, Krasimir Dimov. ICT on Innovative technologies for creation of probiotic foods
7. Maria Doneva, Iliana Nacheva, Petia Metodieva, Yancho Todorov, Daniela Miteva. ICT on Application of cryobiotechnologies for development of lyophilized poly enzyme complexes
8. Daniela Miteva, Krasimir Dimov, Iliana Nacheva, Yancho Todorov, Maria Doneva, Petia Metodieva. ICT on Prolongation of the storage and quality preservation of potato semi-finished foods by specific technological treatment
9. Daniela Miteva, Krasimir Dimov, Iliana Nacheva, Yancho Todorov, Maria Doneva, Petia Metodieva. ICT on Modern technological processing for ensuring the quality of fruits
10. Dimitar Karastoyanov., New Methods and Means for Knee and Ankle Rehabilitation
11. Kostadin Kostadinov., Nano Robotics for In Vitro Procedures
12. Nedko Shivarov., Robor SHADOW for seniors
13. K. Georgiev, S. Margenov: Computer modelling and simulations of processes involved in radio-frequency hepatic tumor ablation
14. Gergana Bencheva., Computer modelling of cerebral aneurysm hemodynamics
15. Dimitar Tcharaktchiev, Galia Angelova, Automatic extraction of patient-related facts from the free texts of electronic health records
16. Snejina Naneva., ICT in the Regional Health Inspection Office – Stara Zagora
17. Svetla Karastoyanova., National Programs for Human Health and Quality of Life
18. Antonia Todorova., ICT for Human Health and Quality of Life in Stara Zagora Municipality
19. Kalina Piperkova., ICT in “St. Ivan Rilski” Hospital – Stara Zagora



## REGISTRATION FORM

Family Name.....

Given Names.....

Organization.....

Address.....

Tel., e-mail:.....

Paper Title.....

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Presentation:      Oral       Poster       Demo

The Registration Fee is €100 (200 lv)

### Bank Information:

ИИКТ-БАН, 1113 София, ул. „ак. Г. Бончев“ бл. 2

БУЛСТАТ 175905727 , ДДС BG 175905727

Общинска банка - София, клон „Слатина“

IBAN BG98 SOMB91303140738701 – лева

BIC SOMBBGSF

Contact: Prof. Dr. Dimitar Karastoyanov,

Tel +359 2 979 2723

e-mail: [dkarast@iinf.bas.bg](mailto:dkarast@iinf.bas.bg)