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# **AComIn: Advanced Computing for Innovation**

**FP7 Capacity Programme  
Research Potential of Convergence Regions**

## **D 5.3 International Conference AComIn-2015**

**Gennady Agre, WP5 leader  
Galia Angelova, AComIn Coordinator**

**Due date of the deliverable: 30/09/2015**

**Actual submission date: 30/09/2015**

**Start date of the project: 01/10/2012**

**Duration: 42 months**



**Version 1.0**

## EXECUTIVE SUMMARY

The International Conference **Advanced Computing for Innovation - 2015** is planned as the final scientific event in WP5 “Dissemination”, where projects results will be reported. The event site is <http://www.iict.bas.bg/acomin15>.

Given that the Work Package WP5 will run by 31 January 2016 (instead of 30 September 2015), the AComIn Executive Board made a decision to organise the AComIn conference on 10-11 November 2015 in Sofia. This shift enables to receive high-quality papers authored by the AComIn team that will reflect newest project results.

The Programme Committee consists of 28 renowned scientists in modern IT areas relevant to the topics of AComIn: Advanced Computing, Language and Semantic Technologies, Signal and Image Processing as well as Optimisation and Intelligent Control. The first Call for Papers for the AComIn conference was published in April 2015, with deadline for submission of extended abstract 13 July 2015. The notification of acceptance was scheduled on 1 August 2015.

In June 2015 the conference organisers received the agreement of Springer to publish the conference proceedings as a special volume of Springer Studies in Computational Intelligence. The Studies in Computational Intelligence Volume entitled “Innovative Approaches and Solutions in Advanced Intelligent Systems” will be published as post-conference proceedings with deadline for delivery to Springer 31 December 2015.

The preliminary Conference Programme is available at the conference site: <http://www.iict.bas.bg/acomin15/programme.html>. The list of talks includes four invited lectures given by AComIn partners: Prof. Oleg Iliev, Dr Ioannis Papamichail, Prof. John Domingue and Prof. Virginio Cantoni.

Some 40 submissions were sent to the organisers authored by researchers from 9 countries: Bulgaria, Macedonia, Greece, Austria, Germany, USA, Malta, UK, and Italy. The preliminary review of extended abstracts suggests that 20-25 papers with high quality might be selected for publication in the Springer volume, after second review of the full paper versions.

## Document Information

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<b>EU Project officer</b>	Dr. Olivier Brunet		

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<b>Work package</b>	<b>Number</b>	5	<b>Title</b>	Dissemination

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<b>Summary</b>	This Report presents the status of the organisation of the International Conference AComIn-2015, to be held in Sofia on 10-11 November 2015. Some 40 submissions are accepted for presentation at the conference. A special Volume with selected papers, entitled "Innovative Approaches and Solutions in Advanced Intelligent Systems", will be published after the event in the Springer series Studies in Computational Intelligence.	
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# 1 ORGANISATION OF THE INTERNATIONAL CONFERENCE AComIn 2015

The event aims at providing a forum for international scientific exchange between Central/Eastern Europe and the rest of the world in several fundamental for computational intelligence topics enabling radical progress and development of novel applications. The conference is composed of four tracks, a number of special sessions and demonstrations.

## TOPICS

The conference welcomes submissions of original, high quality papers in such areas of advanced information and communication technologies as:

- **Advanced Computing:**
  - o efficient methods and tools for analysis of reliability of large-scale models
  - o high-performance computing in engineering and environmental problems
  - o robust methods and algorithms for microstructure analysis of materials and tissues based on high resolution 3D images;
  - o multiscale and multiphysics simulations of strongly heterogeneous media with strongly nonlinear and/or anisotropic behaviour
  - o advanced applications of Monte Carlo simulations in computational physics and environmental sciences
  - o patient specific biomedical applications;
  - o large-scale environmental models for reliable control of the pollutions/remediation within the frame of given critical levels.
- **Language and Semantic Technologies:**
  - o advanced methods and tools for processing of textual and semantic data
  - o large-scale approaches to multilingual terminology
  - o machine learning and data mining methods for analysing Big Data
  - o neural networks and deep learning
  - o advanced eLearning technologies
  - o digital preservation of cultural heritage for research and education
- **Signal and Image Processing:**
  - o speech analysis and synthesis;
  - o efficient methods for image retrieval;
  - o smart multi-sensor signal and image processing
  - o advance methods for biometric analysis
  - o video-analytic technologies for multi-object identification, recognition, tracking, behaviour estimation and event prediction
  - o fusion of uncertain, highly conflicting attributes data
- **Optimisation and Intelligent Control:**
  - o real time decision making;
  - o multivariable and distributed control systems,
  - o advanced methods for studying dynamical behaviour of complex industrial systems and processes
  - o hierarchical optimization in real time applications
  - o on-line resource allocation in communication and transportation networks
  - o intelligent diagnostics and predictive maintenance of facilities operating under high risk of incidents

All submissions (extended abstracts up to 4 pages) are subject to academic peer review by at least two members of the Programme committee. Submissions should describe original research. Selection criteria include accuracy and originality of ideas, clarity and significance of results, and quality of presentation.

The Programme Committee consists of 28 renowned scientists in modern IT areas relevant to the topics of AComIn: see Annex 1, Second Call for Papers.

The First Call for Papers for the AComIn conference was published in April 2015, with deadline for submission of extended abstract 13 July 2015. The notification of acceptance was scheduled on 1 August 2015.

In June 2015 the conference organisers received the agreement of Springer to publish the conference proceedings as a special volume of Springer Studies in Computational Intelligence. On 21 September 2015 the Publishing Agreement between

- the Volume Editors - Prof. Svetozar Margenov, Prof. Galia Angelova and Prof. Gennady Agre, on the one side, and
- Springer International Publishing AG, on the other side

was signed. The Studies in Computational Intelligence Volume entitled “Innovative Approaches and Solutions in Advanced Intelligent Systems” will be published as post-conference Proceedings.

The preliminary conference programme (see Annex 2) is also shown at the conference site at <http://www.iict.bas.bg/acomin15/programme.html>:

The International Conference  
**ADVANCED COMPUTING FOR INNOVATION**  
**ACOMIN 2015**  
Sofia, Bulgaria, 10-11 November, 2015

Home Committee Organisers Contacts

Main Topics  
Important Dates  
Instructions for Authors  
Submission Details  
Fees & Registration  
Proceedings  
Conference Programme  
Invited Talks

### Invitation

The International Conference **Advanced Computing for Innovation - 2015** aims at providing a forum for international scientific exchange between Central/Eastern Europe and the rest of the world in several fundamental for computational intelligence topics enabling radical progress and development of novel applications. The conference is composed of four tracks, a number of special sessions and demonstrations.

[SECOND CALL FOR PAPERS](#)

### Conference location

The AComIn conference will be held on 10 and 11 November at the [Best Western Plus City Hotel](#). Please, for more information visit the link to the hotel site: <http://sofacityhotel.com/en/>

**AComIn**  
**IICT**  
Institute of Information and  
Communication Technologies

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The Programme includes four invited talks given by AComIn partners:

- Prof. Oleg Iliev (Department of Flow and Material Simulation at the Fraunhofer Institute for Industrial Mathematics – Kaiserslautern, Germany),

- Dr Ioannis Papamichail (Dynamic Systems and Simulation Laboratory, Department of Production Engineering and Management, Technical University of Crete, Greece ),
- Prof. John Domingue (Knowledge Media Institute, Open University, Milton Keynes, UK) and
- Prof. Virginio Cantoni (Computer Vision and Multimedia Lab, University of Pavia, Italy).

Some 40 submissions were sent to the organisers authored by researchers from 9 countries: Bulgaria, Macedonia, Greece, Austria, Germany, USA, Malta, UK, and Italy.

## 2 FOCUS ON INNOVATION

In the exchange of messages with Professor Janusz Kacprzyk, Series Editor of Springer "Studies in Computational Intelligence" series, the Organisers of AComIn conference explicitly stated that the Volume

*Innovative approaches and solutions in advanced intelligent systems*

will include high quality papers on real problems requiring innovative solutions in the areas of advanced computing, language and semantic technologies, signal and image processing, as well as optimisation and intelligence control. The papers should address approaches enabling radical progress and development of novel applications, which is the core intention of the AComIn project as a whole.

Due to this reason, in the AComIn-2015 Evaluation form there are explicit questions to the reviewer, asking for assessment whether the paper fits the conference focus:

*Please, explicitly specify what the innovative aspects of the paper are.  
Is it sufficiently original? Is it relevant to the conference aim to discuss topics enabling radical progress or novel applications?*

The full text of the Evaluation form is given in Annex 3.

The preliminary review of extended abstracts suggests that 20-25 papers with high quality might be selected for publication in the Springer Volume, after second review of the full paper versions. This means that the selection rate of the conference will be about 50%.

## 3 CONCLUSION

The event will be held on 10-11 November 2015 in Sofia, Bulgaria. The full text of selected papers will be delivered to Springer for further processing by 31 December 2015.

Depending on the review results, some papers with sufficient original contributions that are not selected for inclusion in the Springer volume will be published in a Special AComIn-related issue of the journal *Cybernetics and Information Technology* by the end of 2015.

## **ANNEX 1: SECOND CALL FOR PAPERS OF ACOMIN-2015**



## CALL FOR PAPERS

### **The International Conference on Advanced Computing for Innovation AComIn 2015**

**Sofia, Bulgaria, 10-11th November, 2015**

**\*\*\*\* Submission deadline: July 13, 2015 \*\*\*\***

The International Conference “Advanced Computing for Innovation – 2015” aims at providing a forum for international scientific exchange between Central/Eastern Europe and the rest of the world in several fundamental for computational intelligence topics enabling radical progress and development of novel applications. The conference is composed of four tracks, a number of special sessions and demonstrations.

#### **TOPICS**

The conference welcomes submissions of original, high quality papers in such areas of advanced information and communication technologies as:

- **Advanced Computing:**
  - efficient methods and tools for analysis of reliability of large-scale models
  - high-performance computing in engineering and environmental problems
  - robust methods and algorithms for microstructure analysis of materials and tissues based on high resolution 3D images;
  - multiscale and multiphysics simulations of strongly heterogeneous media with strongly nonlinear and/or anisotropic behaviour
  - advanced applications of Monte Carlo simulations in computational physics and environmental sciences
  - patient specific biomedical applications;
  - large-scale environmental models for reliable control of the pollutions/remediation within the frame of given critical levels.
- **Language and Semantic Technologies:**
  - advanced methods and tools for processing of textual and semantic data
  - large-scale approaches to multilingual terminology
  - machine learning and data mining methods for analysing Big Data
  - neural networks and deep learning
  - advanced eLearning technologies
  - digital preservation of cultural heritage for research and education
- **Signal and Image Processing:**
  - speech analysis and synthesis;
  - efficient methods for image retrieval;
  - smart multi-sensor signal and image processing
  - advance methods for biometric analysis
  - video-analytic technologies for multi-object identification, recognition, tracking, behaviour estimation and event prediction
  - fusion of uncertain, highly conflicting attributes data.
- **Optimisation and Intelligent Control:**

- real time decision making;
- multivariable and distributed control systems,
- advanced methods for studying dynamical behaviour of complex industrial systems and processes
- hierarchical optimization in real time applications
- on-line resource allocation in communication and transportation networks
- intelligent diagnostics and predictive maintenance of facilities operating under high risk of incidents

All submissions will be subject to academic peer review by at least two members of the Programme committee. Selection criteria include accuracy and originality of ideas, clarity and significance of results, and quality of presentation.

## **IMPORTANT DATES**

**Extended abstract submission deadline: July 13, 2015**  
**Notification of acceptance: August 1, 2015**  
**Deadline for camera-ready abstracts: October 12, 2015**  
**Conference: November 10-11, 2015**

## **SUBMISSION DETAILS**

Extended abstracts of papers have to be submitted electronically (in PDF format) to [acom@bas.bg](mailto:acom@bas.bg) with indication of the name of the conference track.

The abstracts should be written in English and should have a length of 4 pages.

Submissions should describe original research. Papers accepted for presentation at AComIn 2015 cannot be presented or have been presented at another meeting with publicly available published proceedings. Papers that are being submitted to other conferences must indicate this on the title page, as must papers that contain significant overlap with previously published work.

## **PROCEEDINGS**

Proceedings of refereed and presented papers is planned to be published as a special volume of Springer Studies in Computational Intelligence after the Conference

## **LANGUAGE**

The official language of the conference is English.

## **PROGRAMME COMMITTEE CHAIRS**

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## **LOCAL ORGANIZING COMMITTEE CHAIR**

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## **PROGRAMME COMMITTEE**

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Christopher M. Bishop	Microsoft Research, Cambridge, UK
Diego Calvanese	Free University of Bozen-Bolzano, Italy
Virginio Cantoni	University of Pavia, Italy
Darina Dicheva	Winston-Salem State University, USA
Dimo Dimov	IICT-BAS, Bulgaria
Ivan Dimov	IICT-BAS, Bulgaria
Milena Dobрева	University of Malta, Malta
John Domingue	Knowledge Media Institute, The Open University, UK
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Krasimir Georgiev	IICT-BAS, Bulgaria
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Yann LeCun	New York University, USA
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Ioannis Papamichail	Technical University of Crete, Greece
Vincenzo Piuri	University of Milan, Italy
Siegfried Selberherr	The Vienna University of Technology, Austria
Kiril Simov	IICT-BAS, Bulgaria
Todor Stoilov	IICT-BAS, Bulgaria
Vidar Thomee	Chalmers University of Technology, Göteborg, Sweden

## **ORGANISERS**

Institute of Information and Communication Technologies at the Bulgarian Academy of Sciences (IICT – BAS)

## **ANNEX 2: PRELIMINARY CONFERENCE PROGRAMME**

# ACOMIN 2015 PRELIMINARY PROGRAM

November 10, 2015

9 <sup>00</sup> -9 <sup>15</sup>	<p style="text-align: center;"><b>OPENNING CEREMONY</b>  <b>Prof. Svetozar Margenov – Director of IICT-BAS</b>  <b>Prof. Kostadin Kostadinov – Vice-Minister of Education and Science</b></p>
9 <sup>15</sup> -10 <sup>00</sup>	<p style="text-align: center;"><b>OLEG ILIEV. PORE SCALE MODELING AND SIMULATION OF FLOW AND REACTIVE TRANSPORT ON 3D CT IMAGES (INVITED TALK)</b>  <b>Session Chair: Svetozar Margenov</b></p>
10 <sup>00</sup> -10 <sup>20</sup>	Coffee break
	<b>SESSION 1: ADVANCED COMPUTING</b> <b>Session Chair: Oleg Iliev</b>
10 <sup>20</sup> -10 <sup>40</sup>	Ivan Dimov, Rayna Georgieva, Venelin Todorov. <b>Error analysis of biased stochastic algorithms for a class of integral equations</b>
10 <sup>40</sup> -11 <sup>00</sup>	Vlatko Nikolovski, Ivan Chorbev. <b>Cloud Based Patient Monitoring platform on Android smartphone sensors</b>
11 <sup>00</sup> -11 <sup>20</sup>	S. Stoykov, S. Margenov. <b>FEM Nonlinear Vibration Analysis of Plates</b>
11 <sup>20</sup> -11 <sup>40</sup>	Stanislav Harizanov. <b>Deblurring Poissonian Images via Multiple-Constraint Optimization</b>
11 <sup>40</sup> -12 <sup>00</sup>	Ivan Georgiev, S. Margenov, <b>Advanced computing applications based on micro CT data</b>
12 <sup>00</sup> -12 <sup>20</sup>	Konstantinos Liolios, Vassilios Tsihrintzis, Krassimir Georgiev and Ivan Georgiev. <b>A Computational Investigation of the Optimal Reaction Type Concerning Bod Removal in Horizontal subsurface Flow Constructed Wetlands</b>
12 <sup>20</sup> -12 <sup>40</sup>	Clemens Hofreither, Stefan Takacs, Walter Zulehner. <b>Robust Multigrid Methods in Isogeometric Analysis</b>
12 <sup>40</sup> -14 <sup>00</sup>	Lunch
14 <sup>00</sup> -14 <sup>45</sup>	<p style="text-align: center;"><b>IOANNIS PAPAMICHAIL. FEEDBACK-BASED INTEGRATED MOTORWAY TRAFFIC FLOW CONTROL (INVITED TALK)</b>  <b>Session Chair: Todor Stoilov</b></p>
14 <sup>45</sup> -15 <sup>00</sup>	Coffee break
	<b>SESSION 2: OPTIMIZATION AND INTELLIGENT CONTROL</b> <b>Session Chair: Ioannis Papamichail</b>
15 <sup>00</sup> -15 <sup>20</sup>	Ivan Kalaykov. <b>Control Problems in Ground-Level Power Supply System for Electrical Vehicles</b>
15 <sup>20</sup> -15 <sup>40</sup>	Todor Stoilov, K.Stoilova, V. Stoilova. <b>Bi-level Formalization of Urban Area Traffic Lights Control</b>
15 <sup>40</sup> -16 <sup>00</sup>	Stefka Fidanova. <b>Metaheuristic Method for Transport Modelling and Optimization</b>
16 <sup>00</sup> -16 <sup>20</sup>	V. Stoilova, E. Nikolov, N. Nikolova. <b>Density control of highway traffic using approached dimension of spatial distribution controller</b>
16 <sup>20</sup> -16 <sup>40</sup>	Kristina Jakimovska, Dimitar Karastoyanov, Nencho Nenov. <b>Approaches to control of railway vehicles in motion by predictive maintenance techniques</b>
16 <sup>40</sup> -17 <sup>00</sup>	Aleksey Balabanov. <b>Building of Numerically Effective Kalman Estimator Algorithm for Urban Transportation Network</b>

## November 11, 2015

9. <sup>00</sup> -9. <sup>45</sup>	<b>JOHN DOMINGUE. DATA AND SEMANTIC TECHNOLOGIES FOR EDUCATION (INVITED TALK)</b> <b>Hall A. Session Chair: Galia Angelova</b>	
9. <sup>45</sup> -10. <sup>00</sup>	Coffee break	
	PARALLEL SESSIONS:	
	<b>SESSION 3: LANGUAGE AND SEMANTIC TECHNOLOGIES</b> <b>Hall A. Session Chair: Christo Dichev</b>	<b>SESSION 4: OPTIMIZATION AND INTELLIGENT CONTROL</b> <b>Hall B. Session Chair: Ivan Kalaykov</b>
10. <sup>00</sup> -10. <sup>20</sup>	Ivelina Nikolova, Darina Dicheva, Gennady Agre, Zhivko Angelov, Galia Angelova, Christo Dichev, Darin Madjarov. <b>Emerging applications of educational data mining in Bulgaria: the case of UCHA.SE</b>	Dimitar Karastoyanov, Petar Bodurov, Todor Penchev. <b>Nails with an Innovative Shape for High Resistive (Resistant) Nailing in Extreme Conditions</b>
10. <sup>20</sup> -10. <sup>40</sup>	Petar Mitankin and Stoyan Mihov. <b>A new method for real-time lattice re-scoring in speech recognition</b>	Dimitar Karastoyanov, Ivan Yatchev, Iosko Balabozov. <b>Innovative Graphical Braille Screen for Visually Impaired People</b>
10. <sup>40</sup> -11. <sup>00</sup>	Jens Kohler, Adrian Fiech, Kiril Simov, Thomas Specht. <b>On The Performance Of Query Rewriting In Vertically Distributed Cloud Databases</b>	Stanislav Gyoshev, Todor Penchev. <b>Advanced Computing for High Speed Briquetting of Metal Chips and Powders</b>
11. <sup>00</sup> -11. <sup>20</sup>	Olga Kanishcheva, Galia Angelova. <b>About Tag Sense Disambiguation in Image Annotation</b>	Nikolay Stoimenov, Todor Penchev.. <b>Advanced Computing for Energy Efficiency of Milling Processes</b>
11. <sup>20</sup> -11. <sup>40</sup>	Svetla Boytcheva, Galia Angelova, Zhivko Angelov, Dimitar Tcharaktchiev. <b>Big Data Analytics in Healthcare – Temporal Clinical Events Patterns Mining</b>	Jovana Ruzic, Stanislav Gyoshev, Nikolay Stoimenov, Kristina Jakimovska, Aleksandar Vencl, Dimitar Karastoyanov. <b>Optimization and application of advanced laser nanoparticle sizer on wide range of materials</b>
11. <sup>40</sup> -12. <sup>00</sup>	Delyan Keremedchiev, Leoneed Kirilov, Todor Georgiev. <b>Multimedia Classroom Including Distance Learning Features</b>	Leoneed Kirilov, Vassil Guliashki, Krasimira Genova, Pasko Paskov. <b>An Interactive Method for Solving Multiple Objectives Flexible Job Shop Problems (MOFJSP)</b>
12. <sup>00</sup> -12. <sup>20</sup>	Milena Dobрева, Fernando Loizides. <b>Information Visualisation Skills: an Initial Investigation of Industrial Demand and Educational Supply</b>	Yasen Mitev, Leoneed Kirilov. <b>Improving the quality of the Email service by evaluating the KPI Efficiency</b>
12. <sup>20</sup> -12. <sup>40</sup>	Kiril Simov and Petya Osenova. <b>Knowledge Graph Extension for Word Sense Annotation</b>	Yuri Pavlov, Rumén Andreev. <b>Preferences and Modelling of the Complex System „Human-Process”: a Machine Learning Approach</b>
12. <sup>40</sup> -14. <sup>00</sup>	Lunch	

14. <sup>00</sup> -14. <sup>45</sup>	<b>VIRGINIO CANTONI. INTERACTIVE, TANGIBLE AND MULTISENSORY TECHNOLOGY FOR A CULTURAL HERITAGE EXHIBITION: THE BATTLE OF PAVIA</b>  <b>(INVITED TALK)</b>  <b>Hall A. Session Chair: Dimo Dimov</b>	
14. <sup>45</sup> -15. <sup>00</sup>	<b>Coffee break</b>	
	<b>PARALLEL SESSIONS:</b>	
	<b>SESSION 5: SIGNAL AND IMAGE PROCESSING:</b> <b>Hall A. Session Chair: Virginio Cantoni</b>	<b>SESSION 6: ADVANCED COMPUTING</b> <b>Hall B. Session Chair: Krassimir Georgiev</b>
15. <sup>00</sup> -15. <sup>20</sup>	Petia Koprinkova-Hristova , Yurii Chirka, Volodimir Kudriashov, Kiril Alexiev, V. Ivanov. <b>Smart Feature Extraction from Acoustic Camera Multi-Sensor Measurements</b>	J. M. Sellier, I. Dimov. <b>Quantum Mechanics and Signed Particles, A New Formulation Has Come into Existence</b>
15. <sup>20</sup> -15. <sup>40</sup>	Kiril Alexiev, Petia Koprinkova-Hristova. <b>Accuracy Analysis of IMU Navigation Algorithms</b>	D.Y. Ivanova, I. Dimov, J. M. Sellier, <b>Signed Particles and Quantum Similarity</b>
15. <sup>40</sup> -16. <sup>00</sup>	Volodymyr Kudriashov. <b>Multistatic Reception of Non-stationary Random Wiener Acoustic Signal</b>	K.G. Kapanova, I.T. Dimov, J.M. Sellier. <b>The Signed Particle Formulation of Quantum Mechanics: A Parallelization Scheme</b>
16. <sup>00</sup> -16. <sup>20</sup>	Iurii Chyrka. <b>Interpolation of acoustic field from nearby located single source</b>	An. Liolios, As. Liolios, A. Moropoulou, K. Georgiev, I. Georgiev. <b>A Computational Approach for the Seismic Sequences Induced Response of Cultural Heritage RC Structures Upgraded by Ties</b>
16. <sup>20</sup> -16. <sup>40</sup>	Atanas Nikolov, Virginio Cantoni, Dimo Dimov, Andrea Abate, Stefano Ricciardi. <b>Multi-Model Ear Database for Biometrics Applications</b>	Emilia Abadjieva, Valentin Abadjiev. <b>On the Improvement of the Bio-Robots Transmissions: Basic Elements of the Drivings and Alternative Solutions</b>
16. <sup>40</sup> -17. <sup>00</sup>	S. Ilchev, Z. Ilcheva. <b>Modular Digital Watermarking and Corresponding Steg analysis of Images on Publicly Available Web Portals</b>	
17. <sup>00</sup> -17. <sup>20</sup>	Karina Angelieva. <b>Decisions and Recommendations of the Council of the European Union in the area of open data, open access, and data intensive research</b>	
17. <sup>20</sup> -17. <sup>30</sup>	<b>CLOSING CEREMONY</b>	
18. <sup>30</sup> -20. <sup>30</sup>	<b>ACOMIN Steering Committee Meeting</b>	



## **ANNEX 3: PAPER REVIEW FORM FOR ACOMIN-2015**

**ACOMIN 2015 - EVALUATION FORM**

For publishing papers in a volume entitled  
**Innovative Approaches and Solutions in Advanced Intelligent Systems**  
in the Springer series **Computational Intelligence**

/Please underline the suitable option and make obligatory comment of your  
choice for each group of questions/

**Title:**

**Authors: (no authors, the review is anonymous)**

**I. Domain and aims of the material**

**THEMES RELEVANT TO THE CONFERENCE TOPICS (PLEASE, EXPLICITLY SPECIFY):**  
.....

**Presentation of authors goals and tasks:** clear | unclear | missing

**PLEASE, DESCRIBE SHORTLY WHAT THE PAPER IS ABOUT:**  
.....

**II. Presentation of results**

**Logical and technical correctness:**

no errors | errors for correction | serious errors | missing results

**Result originality:**

high | good | new combination of known results | lack of originality

**Results argumentation/demonstration:**

convincing | good | unconvincing | lack of argumentation

**Discussing possible applications:** clear | unclear | missing

**PLEASE, EXPLICITLY SPECIFY WHAT THE INNOVATIVE ASPECTS OF THE PAPER ARE.  
IS IT SUFFICIENTLY ORIGINAL? IS IT RELEVANT TO THE CONFERENCE AIM TO DISCUSS  
TOPICS ENABLING RADICAL PROGRESS OR NOVEL APPLICATIONS?**  
.....

**III. Overall presentation**

**Presentation accuracy:** good | average | weak

**Presentation manner:** very clear | good | perfunctory | unclear

**English:** good | editing is desirable | editing is necessary

**PLEASE, EXPLICITLY SPECIFY HOW THE PAPER COULD BE IMPROVED (recommendations  
for modifications etc.):**  
.....

**IV. Reviewer's opinion**

to be accepted for the Springer proceedings |  
to be published after editing in the Springer proceedings |  
to be published after editing in Special Issue of the CIT journal |  
to be declined

Reviewer: /signature/

Date: