## Tentative IDAACS’2015 Conference Timetable

### Wednesday, September 23, 2015

(WEITI PW - Campus, Nowowiejska 15/19)

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:00 PM –</td>
<td>WEITI PW, Entrance Area</td>
<td>Registration</td>
</tr>
<tr>
<td>7:00 PM</td>
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<tr>
<td>7:00 PM –</td>
<td></td>
<td>WEITI PW</td>
</tr>
<tr>
<td>9:00 PM</td>
<td></td>
<td>Welcoming Reception</td>
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<tr>
<td>10:30 AM –</td>
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<tr>
<td>5:00 PM –</td>
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</table>

### Thursday, September 24, 2015

(MINI PW - Campus, Koszykowa 75)

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>8:00 AM –</td>
<td>MINI PW, First floor</td>
<td>Registration</td>
</tr>
<tr>
<td>5:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 AM –</td>
<td>Room A (107)</td>
<td>Opening</td>
</tr>
<tr>
<td>10:00 AM –</td>
<td>Room A (107)</td>
<td>Plenary Session T1</td>
</tr>
<tr>
<td>11:00 AM –</td>
<td>Hubert Roth “Cooperation</td>
<td></td>
</tr>
<tr>
<td>1:00 AM –</td>
<td>with Robots for Localization and Mapping”</td>
<td></td>
</tr>
<tr>
<td>11:20 AM –</td>
<td>Foyer (First floor)</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>1:00 AM –</td>
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<td></td>
</tr>
<tr>
<td>11:20 AM –</td>
<td>Room A 107</td>
<td>Session TA1: Advanced Instrumentation</td>
</tr>
<tr>
<td>1:00 AM –</td>
<td></td>
<td>and Data Acquisition Systems</td>
</tr>
<tr>
<td>11:20 AM –</td>
<td>Room B 101</td>
<td>Session TB1: Special Stream in Computer</td>
</tr>
<tr>
<td>1:00 AM –</td>
<td></td>
<td>Systems for Healthcare and Medicine</td>
</tr>
<tr>
<td>11:20 AM –</td>
<td>Room C 102</td>
<td>Session TC1: Special Stream in Cyber</td>
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<tr>
<td>1:00 AM –</td>
<td></td>
<td>Security</td>
</tr>
<tr>
<td>11:20 AM –</td>
<td>Room D 103</td>
<td>Session TD1: Special Stream in eLearning</td>
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<tr>
<td>1:00 AM –</td>
<td></td>
<td>Management</td>
</tr>
<tr>
<td>1:00 AM –</td>
<td></td>
<td>Co-Chairs: Peter Arras, Tomas Kozik</td>
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<tr>
<td>1:00 PM –</td>
<td>Central Canteen (Stołówka</td>
<td>Lunch</td>
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<tr>
<td>2:00 PM</td>
<td>Centralna PW)</td>
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<tr>
<td>2:00 PM –</td>
<td>Foyer (First floor)</td>
<td>Poster session TP</td>
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<tr>
<td>3:00 PM</td>
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<td>Co-Chairs:</td>
</tr>
<tr>
<td>Time</td>
<td>Location</td>
<td>Session Content</td>
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</tbody>
</table>
| 3:00 PM – 4:40 PM | Room A 107      | **Session TA2:** Artificial Intelligence and Neural Networks for Advanced Data Acquisition and Computing Systems  
Chair: Vladimir Golovko |
|              | Room B 101      | **Session TB2:** Pattern Recognition and Digital Image and Signal Processing  
Chair:                                                                 |
|              | Room C 102      | **Session TC2:** Special Stream in Project Management  
Co-Chairs: Peter Reusch, Sergey Bushuyev |
|              | Room D 103      | **Session TD2:** Special Stream in Advanced IT in Environmental Sciences  
Co-Chairs: Yury Kolokolov, Kondo H. Adjallah |
<p>| 4:40 PM – 5:00 PM | Foyer (First floor) | <strong>Coffee Break</strong>                                                                  |
| 5:00 PM – 8:00 PM |                | <strong>City Tour</strong>                                                                     |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8:00 AM – 4:30 PM</strong></td>
<td>MINI PW, First floor</td>
<td>Registration</td>
</tr>
<tr>
<td><strong>9:00 AM – 9:45 AM</strong></td>
<td>Room A (107)</td>
<td><strong>Plenary Session F1</strong> Vincenzo Piuri “Computational Intelligence Technologies for Biometric Applications” Chair:</td>
</tr>
<tr>
<td></td>
<td>Room B 101</td>
<td><strong>Session FB1:</strong> Advanced Instrumentation and Data Acquisition Systems Chair: Fernando López Peña</td>
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<tr>
<td></td>
<td>Room C 102</td>
<td><strong>Session FC1:</strong> Special Stream in Computer Systems for Healthcare and Medicine Co-Chairs: Roman Morawski, Domenico Grimaldi</td>
</tr>
<tr>
<td></td>
<td>Room D 103</td>
<td><strong>Session FD1:</strong> Special Stream in High Performance Computing Co-Chairs: Dora Heras, Volodymyr Turchenko</td>
</tr>
<tr>
<td><strong>9:50 AM</strong></td>
<td>Room A 107</td>
<td><strong>Session FA1:</strong> Advanced Testing and Diagnostics Co-Chairs: Piotr Bilski, Aleksandr Drozd</td>
</tr>
<tr>
<td><strong>11:30 AM</strong></td>
<td>Foyer (First floor)</td>
<td><strong>Coffee Break</strong></td>
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<td><strong>11:50 AM</strong></td>
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<td><strong>Session FA2:</strong> Special Stream in Advanced Testing and Diagnostics Co-Chairs: Piotr Bilski, Aleksandr Drozd</td>
</tr>
<tr>
<td><strong>11:50 AM</strong></td>
<td>Room B 101</td>
<td><strong>Session FB2:</strong> Intelligent Information Systems, Software Tools and Ontology Chair: Vitaly Klyuev</td>
</tr>
<tr>
<td><strong>1:30 PM – 2:30 PM</strong></td>
<td>Central canteen (Stołówka Centralna PW)</td>
<td><strong>Lunch</strong></td>
</tr>
<tr>
<td><strong>2:30 PM – 3:30 PM</strong></td>
<td>Foyer (First floor)</td>
<td><strong>Poster Session FP</strong> Co-Chairs:</td>
</tr>
<tr>
<td>Time</td>
<td>Room</td>
<td>Session/Co-Chairs</td>
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<tr>
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</tbody>
</table>
| 3:30 PM – 5:10 PM | Room A 107 | **Session FA3:** Artificial Intelligence and Neural Networks for Advanced Data Acquisition and Computing Systems  
Chair: Sigeru Omatu |
| 5:15 PM – 6:00 PM | Room B 101 | **Session FB3:** Pattern Recognition and Digital Image and Signal Processing  
Chair: John Kalomiros |
| 7:00 PM – 10:00 PM | Room C 102 | **Session FC3:** Special Stream in Project Management  
Co-Chairs: Peter Reusch, Sergey Bushuyev |
|                 | Room D 103 | **Session FD3:** Special Stream in Advanced IT in Environmental Sciences  
Co-Chairs: Yury Kolokolov, Kondo H. Adjallah |
|                 |         | WEITI laboratories presentation  
(WEITI PW - Campus, Nowowiejska 15/19) |
|                 |         | The Faculty of Physics Main Hall  
Koszykowa 75 |
<p>|                 |         | <strong>Conference Dinner</strong> |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Venue/Location</th>
<th>Event/Activity</th>
</tr>
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<tr>
<td>8:00 AM – 1:30 PM</td>
<td>MINI PW, First floor Registration</td>
<td>Janusz Zalewski “From CAMAC to Wireless Sensor Networks and Time-Triggered Systems: Evolution of Architectures for Data Acquisition and Control” Chair:</td>
</tr>
<tr>
<td>9:00 AM – 9:45 AM</td>
<td>Room A (107) Plenary Session S1</td>
<td>Room A (107) Plenary Session S1</td>
</tr>
<tr>
<td>9:50 AM – 11:30 AM</td>
<td>Room A 107 Session SA1: Advanced Instrumentation and Data Acquisition Systems Chair: Linas Svilainis</td>
<td>Room B 101 Session SB1: Special Stream in Computer Systems for Healthcare and Medicine Co-Chairs: Roman Morawski, Domenico Grimaldi</td>
</tr>
<tr>
<td>Room C 102 Session SC1: Special Stream in Wireless Systems Co-Chairs: Uwe Grossmann, Evren Eren</td>
<td>Room D 103 Session SD1: Data Analysis and Modeling Chair: Miki Sirola</td>
<td></td>
</tr>
<tr>
<td>11:30 AM – 12:15 AM</td>
<td>Foyer (First floor) Coffee Break + Poster Session SP Co-Chairs:</td>
<td>Foyer (First floor) Coffee Break + Poster Session SP Co-Chairs:</td>
</tr>
<tr>
<td>12:15 AM – 1:30 PM</td>
<td>Room A (107) Round Table and Closing Ceremony Co-Chairs: Anatoliy Sachenko, Wieslaw Winiecki</td>
<td>Room A (107) Round Table and Closing Ceremony Co-Chairs: Anatoliy Sachenko, Wieslaw Winiecki</td>
</tr>
<tr>
<td>1:30 PM – 2:30 PM</td>
<td>Central canteen (Stołówka Centralna PW) Lunch</td>
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</tr>
</tbody>
</table>

PW – Politechnika Warszawska (Warsaw University of Technology - WUT) (building on map below)

WEITI – Wydział Elektroniki I Technik Informacyjnych (The Faculty of Electronics and Information Technology) (building 12 on map below)

MINI - Wydział Matematyki i Nauk Informacyjnych (The Faculty of Mathematics and Information Science) (building 6 on map below)

Stołówka Centralna PW (Central canteen) (building on map below)
Tentative Technical Program

Wednesday, September 23, 2015

5:00 PM – 7:00 PM
Registration: WEITI PW, Entrance Area
7:00 PM – 9:00 PM
Welcoming Reception: WEITI PW

Thursday, September 24, 2015

MINI PW - Campus, Koszykowa 75
8:00 AM – 5:00 PM
Registration: H(FKI) MINI PW, First floor

Room A (107)
9:00 AM – 10:00 AM
Opening

Room A
10:00 AM – 11:00 AM
Plenary Session T1
“Cooperation with Robots for Localization and Mapping”
Hubert Roth, Germany
Chair:

11:00 AM – 11:20 AM
Coffee Break: Foyer (First floor)

11:20 AM – 1:00 PM
Session TA1: Advanced Instrumentation and Data Acquisition Systems
Chair: Grigore Stamatescu
Room: A (107)
2. i15-049. Sound and Light Intensity Meter in a Form of Application on Mobile Phone. Paweł Roszkowski, Marcin Kowalczyk. Poland
4. i15-141. USB FIFO interface for FPGA based DAQ applications. Krzysztof Mroczek. Poland

11:20 AM – 1:00 PM
Session TB1: Special Stream in Computer Systems for Healthcare and Medicine
Co-Chairs: Roman Morawski, Domenico Grimaldi
Room: B
1. i15-112. On calibration and parameterization of low power ultrawideband radar for close range detection of human body and bodily functions. Marcin Piórek, Wiesław Winiecki. Poland
2. i15-029. Applicability of Mel-cepstrum in a Fall Detection System Based on Infrared Depth Sensors. Jakub Wagner, Roman Z. Morawski. Poland
3. i15-120. Low power ultrawideband radar device for close range detection of human body and bodily functions. Rafał Brzyski. Poland
5. i15-170. Image Edges Locator dedicated to visually impaired people - an experimental application for mobile devices. Anna Pitera, Dariusz Bober, Jacek Kesik. Poland

11:20 AM – 1:00 PM
Session TC1: Special Stream in Cyber Security
Co-Chairs: George Markowsky, Igor Kotenko
Room: C
1. i15-215. Exploring a High-Capacity Covert Channel on the Android Operating System. Timothy Heard, Daryl Johnson, Bill Stackpole. USA
5. i15-172. The CAPEC based generator of attack scenarios for network security evaluation. Igor Kotenko, Elena Doynikova. Russia

11:20 AM – 1:00 PM
**Session TD1: Special Stream in eLearning Management**
**Co-Chairs:** Peter Arras, Tomas Kozik

**Room:** D

1. i15-285. Predicting Students’ Success Based on Forum Activities in MOOCs. Marcus Klüsener, Albrecht Fortenbacher. Germany
2. i15-191. Remote Experiment at Universities. Tomáš Kozík, Marek Šimon, Peter Arras, Peter Kuna, Galina Tabunshchik. Slovak Republic, Belgium, Ukraine

1:00 PM – 2:00 PM
**Lunch:** Central Canteen (Stołówka Centralna PW)

2:00 PM – 3:00 PM
**Poster Session TP:** Foyer (First floor)
**Co-Chairs:**

**Advanced Instrumentation and Data Acquisition Systems**

1. i15-104. Tiny Ultraviolet Polarimeter for Earth Stratosphere from Space Investigation. Petro Nevodovskiyi, Oleksandr Morozhenko, Oleksandr Vidmachenko, Orest Ivakhiv, Mykhaylo Gerimchuk, Oleksandr Zbrutskyi. Ukraine

3. i15-079. Registration of polarization signals of the electrical field in geodynamic objects monitoring systems with the use of local primary converters. Tsaplev A.V., Dorofeev N.V., Kuzichkin O.R. Russia

4. i15-081. Geoecological control of the aquifer in the decentralized water supply systems of the local level. Roman V. Romanov, Oleg R. Kuzichkin, Alexey V. Tsaplev. Russia


10. i15-182. Smart metering systems for zero-energy buildings. Luigi Martirano, Matteo Manganelli, Danilo Sbordone, Domenico Luca Carni, Luigi Parise, Francesco Lamonaca. Italy

**Stream in Computer Systems for Healthcare and Medicine**


2. i15-105. Displacement field calculation from CINE MRI using non-rigid image registration. Konrad Werys, Łukasz Błaszczyk, Agata Kubik, Magdalena Marczak, Piotr Bogorodzki. Poland

3. i15-119. Validation of the polyvinyl alcohol cryogel with glycerol as a material for phantoms in magnetic resonance imaging. Konrad Werys, Katarzyna Pieniak, Beata Lesniak-Plewinska, Jakub Żmigrodzki, Szymon Cygan. Poland

4. i15-106. An image-processing technique for glaucoma detection on the basis of ophthalmic images. Maroua Ben Mansour, Yosra Mlouhi, Imed Jabri, Tahar Battikh, Lotfi Maalej, Mohamed Najeh Lakhoua. Tunis

5. i15-152. Polychromatic LED device for measuring CFFF. Alexey Lagunov, Ludmila Morozova, Dmitry Fedin, Nadejda Podorojnyak, Vladimir Terehin. Russia


Artificial Intelligence and Neural Networks for Advanced Data Acquisition and Computing Systems

1. i15-045. Comparison of Wavelet Thresholding Methods for Industrial Data Compression. Anna Sztyber, Marcin Pobocha. Poland

2. i15-144. Ant Clustering for the CPT and DMT-Based Soil Profile Generation. Adrian Bilski. Poland

3. i15-026. Project of Piper Seneca V (PA-34-220t) Cowl Flaps (CF) controller based on fuzzy logic. Marcin Pasieka, Norbert Grzesik. Poland


3:00 PM – 4:40 PM

Session TA2: Artificial Intelligence and Neural Networks for Advanced Data Acquisition and Computing Systems

Chair: Vladimir Golovko

Room: A

1. i15-041. Intelligent monitoring with background knowledge. Kai-Oliver Detken, Stefan Edelkamp, Carsten Elfers, Malte Humann, Thomas Rix. Germany

2. i15-028. Mixed Odors Classification by Neural Networks. Sigeru Omatu, Mitsuaki Yano. Japan
5. i15-066. Gabor-filter based longitudinal strain estimation from tagged magnetic resonance imaging. Konrad Werys, Łukasz Błaszczyk, Agata Kubik, Piotr Bogorodzki. Poland

3:00 PM – 4:40 PM
Session TB2: Pattern Recognition and Digital Image and Signal Processing
Chair:

Room: B
5. i15-007. Recognition Method of Near-Duplicate Images Based on the Perceptual Hash and Image Key Points Using. N. I. Korsunov, D. A. Toropchin. Russia

3:00 PM – 4:40 PM
Session TC2: Special Stream in Project Management
Co-Chairs: Peter Reusch, Sergey Bushuyev
Room: C
1. i15-023. Risk Management in Projects: Variation of Parameters in the Critical Field. Wolfgang Tysiak. Germany
3:00 PM – 4:40 PM

**Session TD2: Special Stream in Advanced IT in Environmental Sciences**

**Co-Chairs:** Yury Kolokolov, Kondo H. Adjallah

**Room:** D

2. i15-219. Forecasting of vernal and autumnal margins in local climate dynamics. Kolokolov Yury, Monovskaya Anna. Russia

4:40 PM – 5:00 PM

**Coffee Break:** Foyer (First floor)

5:00 PM – 8:00 PM

**City Tour**
Friday, September 25, 2015

8:00 AM – 4:40 PM
Registration: MINI PW, First floor

**Room A**

9:00 AM – 9:45 AM
**Plenary Session F1**
“Computational Intelligence Technologies for Biometric Applications”
**Vincenzo Piuri, Italy**
Chair:

9:50 AM – 11:30 AM
**Session FA1: Advanced Instrumentation and Data Acquisition Systems**
Chair: Fernando López Peña
Room: A

1. **i15-103. A Tablet-Class Cloud Architecture for Remote Execution and Interactive Data Analysis.** Robert E. Hiromoto, Tevaganthan Veluppillai. USA
3. **i15-164. Using Radiating Cable for Time-of-Flight CSS Measurements Indoors and Outdoors.** Maria Serezhina, Alex Moschevikin, Ruslan Evmenchikov, Axel Sikora. Russia, Germany

9:50 AM – 11:30 AM
**Session FB1: Special Stream in Computer Systems for Healthcare and Medicine**
Co-Chairs: Roman Morawski, Domenico Grimaldi
Room: B
1. i15-098. Deep learning classifier for fall detection based on IR distance sensor data Stanisław Jankowski, Zbigniew Szymański, Uladzimir Dziomin, Paweł Mazurek, Jakub Wagner. Poland

2. i15-050. Acquisition and Preprocessing of Data from Infrared Depth Sensors to be Applied for Patients Monitoring. Paweł Mazurek, Jakub Wagner, Roman Z. Morawski. Poland


9:50 AM – 11:30 AM

Session FC1: Special Stream in Cyber Security

Co-Chairs: George Markowsky, Igor Kotenko
Room: C


2. i15-175. The Problem of Interceptor Top Level Domains. George Markowsky. USA

3. i15-203. Constraints Validation in Privacy-Preserving Attribute-Based Access Control. Vladimir Oleshchuk. Norway


5. i15-159. Evaluation of Text Classification Techniques for Inappropriate Web Content Blocking. Igor Kotenko, Andrey Chechulin, Dmitry Komashinsky. Russia

9:50 AM – 11:30 AM

Session FD1: Special Stream in High Performance Computing

Co-Chairs: Dora Heras, Volodymyr Turchenko
Room: D

1. i15-129. Archiving and analysis of electroencephalograms in Ukrainian Grid: the first application. Gaidar V.O., Sudakov O.O. Ukraine


11:30 AM – 11:50 AM  
**Coffee Break:** Foyer (First floor)

11:50 AM – 1:30 PM  
**Session FA2: Special Stream in Advanced Testing and Diagnostics**  
**Co-Chairs:** Piotr Bilski, Aleksandr Drozd  
**Room: A**  
1. i15-115. Observing of Near Field Information to Analyze a Master-Slave Fieldbus Arne Neiser, Klaus-Peter Kirchner, Helmut Beikirch. Germany  
2. i15-287. An Universal Concurrent Frame Work for Fault Diagnosis in Processor Based Systems. D.V.Kodavade. India  
5. i15-213. Effectiveness of Matrix and Pipeline FPGA-Based Arithmetic Components of Safety-Related Systems Julia Drozd, Oleksandr Drozd, Svetlana Antoshchuk, Alex Kushnerov, Valery Nikul. Ukraine

11:50 AM – 1:30 PM  
**Session FB2: Intelligent Information Systems, Software Tools and Ontology**  
**Chair:** Vitaly Klyuev  
**Room: B**  
2. i15-042. SIEM approach for a higher level of IT security in enterprise networks. K.-O. Detken, T. Rix, C. Kleiner, B. Hellmann, L. Renners. Germany
5. i15-100. Assessment of REST and WebSocket in regards to their Energy Consumption for mobile Applications. Volker Herwig, René Fischer, Peter Braun. Germany

11:50 AM – 1:30 PM
Session FC2: Special Stream in Wireless Systems
Co-Chairs: Uwe Grossmann, Axel Sikora
Room: C
1. i15-027. A viable SIEM approach for Android. Markus Schölzel, Evren Eren, Kai-Oliver Detken. Germany
5. i15-087. An Adaptive ACs Number Adjusting Algorithm for IEEE 802.11 EDCA. Olga Panova, Kvitoslava Obelovska. Ukraine

11:50 AM – 1:30 PM
Session FD2: Special Stream in Intelligent Robotics and Components
Co-Chairs: Richard Duro, Yuriy Kondratenko
Room: D

1:30 PM – 2:30 PM
**Lunch:** Central canteen (Stołówka Centralna PW)

2:30 PM – 3:30 PM
**Poster Session FP:** Foyer (First floor)
**Co-Chairs:**

**Special Stream in Cyber Security**
1. i15-151. Approaches to Improve the Activity of Computer Incident Response Teams. Andrii Gizun, Viktor Gnatyuk, Nadiia Balyk, Pawel Falat. Ukraine, Poland
3. i15-090. DNS-based anti-evasion technique for botnets detection. Sergii Lysenko, Oksana Pomorova, Oleg Savenko, Andrii Kryshchuk, Kira Bobrovnikova. Ukraine
5. i15-093. Scanning for Vulnerable Devices in the Internet of Things. Linda Markowsky, George Markowsky. USA

**Special Stream in Advanced Information Technologies in Environmental Sciences**
1. i15-068. Modified bifurcation diagrams to analyse the intermittency observed in local climate dynamics. Kolokolov Yury, Monovskaya Anna. Russia
2. i15-070. Multidimensional analysis of dynamics of annual warming-cooling cycles on the basis of index model of temperature observations. Kolokolov Yury, Monovskaya Anna. Russia

**Special Stream in High Performance Computing**

1. i15-270. Multiobjective Problem of Information Processing Systems Evaluation. Yevgeniya Ivanchenko, Volodymyr Karpinskyi, Volodymyr Khoroshko, Mikolaj Karpinski, Ukraine, United Kingdom, Poland

**Special Stream in Intelligent Robotics and Components**

1. i15-083. Applying model-based principles on a distributed robotic system application. Uwe Lauschner, Burkhard Igel, Lukas Krawczyk, Carsten Wolff. Germany

**Special Stream in Project Management**


**Pattern Recognition and Digital Image and Signal Processing**

3. i15-228. An image thresholding approach based on cuckoo search algorithm and 2D Maximum Entropy. Wei Zhao, Zhiwei Ye, Mingwei Wang, Lie Ma, Wei Liu. China

3:30 PM – 5:10 PM
Session FA3: Artificial Intelligence and Neural Networks for Advanced Data Acquisition and Computing Systems
Chair: Sigeru Omatu
Room: A
1. i15-167. Application of Self-Organizing Maps to the Stock Exchange Data Analysis. Piotr Kossakowski, Piotr Bilski. Poland

3:30 PM – 5:10 PM
Session FB3: Pattern Recognition and Digital Image and Signal Processing
Chair:
Room: B
4. i15-235. Iris Recognition Algorithm on BeagleBone Black. David F. Vera, Diego M. Cadena, Jesús M. Ramírez. Colombia

3:30 PM – 5:10 PM

Session FC3: Special Stream in Project Management

Co-Chairs: Peter Reusch, Sergey Bushuyev

Room: C

1. i15-089. AMALTHEA – Tailoring Tools to Projects in Automotive Software Development. Carsten Wolff, Lukas Krawczyk, Robert Höttger, Christopher Brink, Uwe Lauschner, Daniel Fruhner, Erik Kamsties, Burkhard Igel. Germany

2. i15-077. TRIZ 40 Inventive Principles Application in Project Management. Peter J. A. Reusch, Maria Zadnepryanets. Germany


3:30 PM – 5:10 PM

Session FD3: Special Stream in Advanced IT in Environmental Sciences

Co-Chairs: Yury Kolokolov, Kondo H. Adjallah

Room: D


3. i15-085. Information system of Russian North opening up by ground beetles. Alexey Lagunov, George Martinov, Sergey Kabanov, Nadejda Podorojnyak, Vladimir Terehin. Russia


5. i15-211. Method of data processing of radar measurements. Korsunov N. I., Yegorov D. V., Konstantinov I.S. Russia
5:15 PM – 6:00 PM
WEITI laboratories presentation
(WEITI PW - Campus, Nowowiejska 15/19)

7:00 PM – 10:00 PM
Conference Dinner
The Faculty of Physics Main Hall Koszykowa 75
Saturday, September 26, 2015

8:00 AM – 1:30 PM
Registration: MINI PW, First floor

Room A

9:00 AM – 9:45 AM
Plenary Session S1
“From CAMAC to Wireless Sensor Networks and Time-Triggered Systems: Evolution of Architectures for Data Acquisition and Control”
Janusz Zalewski, USA
Chair:

9:50 AM – 11:30 AM
Session SA1: Advanced Instrumentation and Data Acquisition Systems
Chair: Linas Svilainis
Room: A

2. i15-146. Method of Ensuring an Interchangeability of the Ultraviolet Radiation Sensors during a Transition to its Individual Conversion Function. Oleksiy Roshchupkin, Radislav Smid, Anatoly Sachenko, Volodymyr Kochan, Nataliya Roshchupkina. Czech Republic, Ukraine, Poland
5. i15-274. Improvement metrological characteristics of the antenna system using intelligent angle sensor. Mykhaylo Palamar, Andrii Chaikovskyi, Yuriy Pasternak, Yaroslav Palamar. Ukraine
9:50 AM – 11:30 AM
Session SB1: Special Stream in Computer Systems for Healthcare and Medicine
Co-Chairs: Roman Morawski, Domenico Grimaldi
Room: B
1. i15-212. Application of k Nearest Neighbors Approach to the Fall Detection of Elderly People Using Depth-Based Sensors. Piotr Bilski, Paweł Mazurek, Jakub Wagner. Poland
2. i15-051. Application of Naïve Bayes Classifier in Fall Detection Systems Based on Infrared Depth Sensors Paweł Mazurek, Roman Z. Morawski. Poland
4. i15-123. Embedded System for Fall Detection Using Body-worn Accelerometer and Depth Sensor. Michal Kęski, Bogdan Kwolek. Poland
5. i15-221. An optimization-based tool for solving location and reorganization problems in healthcare. Francesca Guerriero, Giovanna Miglionico, Filomena Olivito. Italy

9:50 AM – 11:30 AM
Session SC1: Special Stream in Wireless Systems
Co-Chairs: Uwe Grossmann, Evren Eren
Room: C
4. i15-143. UWB localization in EIGER indoor/outdoor positioning system. Jerzy Kolakowski, Angelo Consoli, Vitomir Djaja-Josko, Jaouhar Ayadi, Lorenzo Morrigia, Francesco Piazza. Poland, Switzerland
9:50 AM – 11:30 AM

Session SD1: Data Analysis and Modeling

Chair: Miki Sirola
Room: D

4. i15-166. Interactive Dynamical Visualization of Big Data Arrays in Grid. Koval Y.O., Mendrul H.O., Salnikov A.O., Sliusar Ie.A., Sudakov O.O. Ukraine
5. i15-091. 3D Face Data Acquisition and Modeling Based on an RGBD Camera Matrix. Jacek Naruniec, Marek Kowalski, Michal Daniluk. Poland

11:30 AM – 12:15 AM

Coffee Break + Poster Session SP: Foyer (First floor)

Co-Chairs:

Intelligent Information Systems, Software Tools and Ontology

2. i15-142. Proposal of a Video Analysis Smart System for Sports Competition. Lotfi Maalej, Imed Jabri, Tahar Battikh, Mohamed Najeh Lakhoua, Yosra Mlouhi. Tunisia
4. i15-054. Link Prediction in Undirected Weighted Disease Networks. Serpil Gül, Mehmet Kaya. Turkey
5. i15-072. Recommending the Most Appropriate Tariff to GSM Users through Social Network Modeling. Mehmet Kaya, Abdullah Şener, Buket Kaya. Turkey
6. i15-074. Generation of Frequent Item Sets in Multidimensional Data by Means of Templates for Mining Inter-Dimensional Association Rules. Mykola Fisun, Inessa Kulakovska, Hlib Horban. Ukraine

Special Stream in Wireless Systems
3. i15-062. Multiple Error Detection and Correction Based on Modular Arithmetic Correcting Codes. Vasyl Yatskiv, Taras Tsavolyk. Ukraine

Special Stream in eLearning Management

Special Stream in Advanced Testing and Diagnostics
2. i15-092. Technology of Intelligent Diagnostics based on Volterra Kernels Moments. Oleksandr Fomin, Andrew Medvedev, Vitaliy Pavlenko. Ukraine
Data Analysis and Modeling


12:15 AM – 1:30 PM

**Round Table and Closing Ceremony:** Room A

**Co-Chairs:** Anatoliy Sachenko, Wieslaw Winiecki

1:30 PM – 2:30 PM

**Lunch:** Central canteen (Stołówka Centralna PW)