

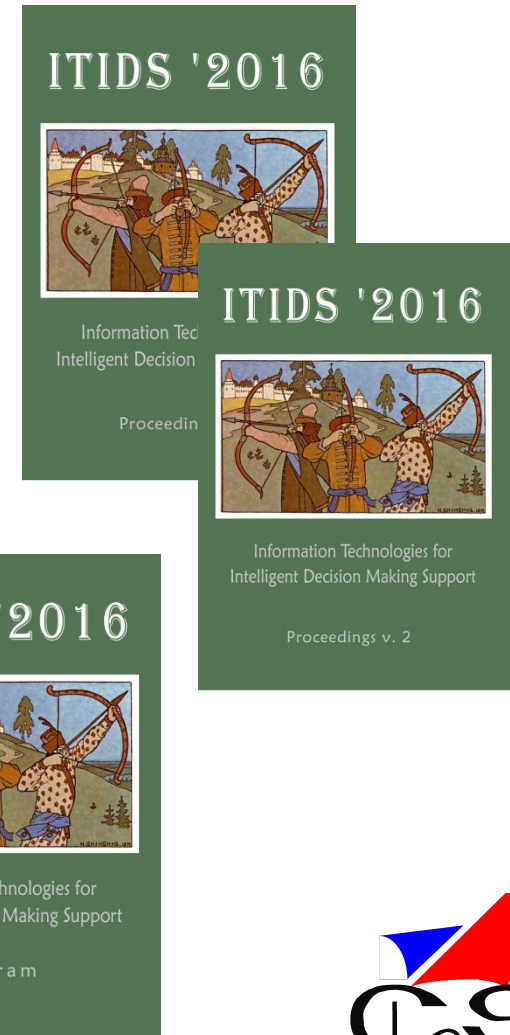


Ufa State Aviation Technical University

Faculty of Computer Science and Robotics

The 4th International Conference on Information Technologies for Intelligent Decision Making Support

Ufa, Russia
May 17 - 19, 2016





International Conference on Information Technologies for Intelligent Decision Making Support

**10:00 – 10:30 Opening Ceremony of Conference
(conference hall №1)**

woman Prof. Yusupova N.I.



Welcome word

Prof. Krioni N.K. (Rector of USATU)

Prof. Zaripov N.G. (Vice-Rector for academic work)

Prof. Darintsev O.V. (Vice-rector for Research and Innovation)

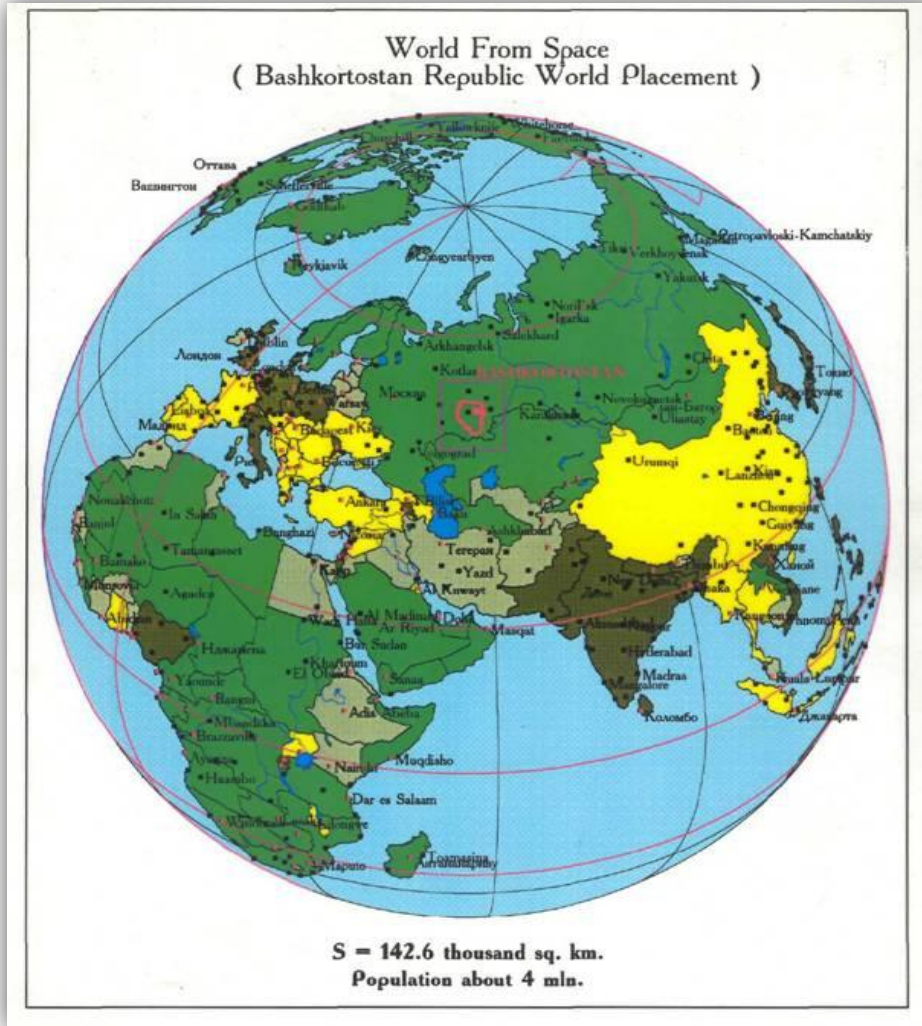
Prof. Kovacs G.

Prof. Fischer A.

Mr. Prilukov S.A.



Ufa State Aviation Technical University





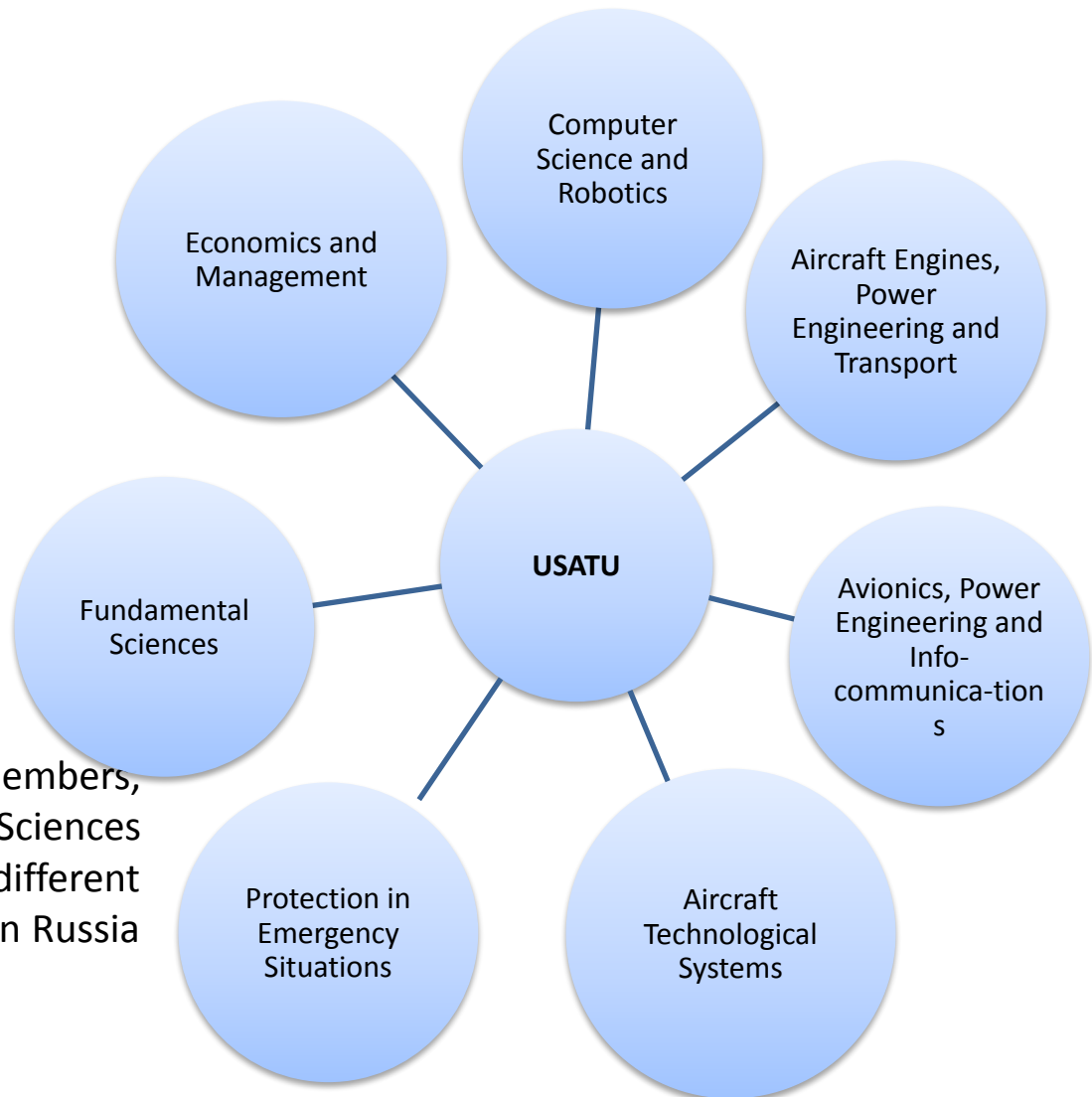
DEPARTMENTS OF USATU

Number of students:

- USATU – 20 000 (st.)
- Branch in Sterlitamak – 840 (st.)
- Branch in Ishimbaj – 915 (st.)
- Branch in Kumertau – 810 (st.)
- Branch in Neftekamsk – 800 (st.)
- Branch in Tuymazy – 330 (st.)

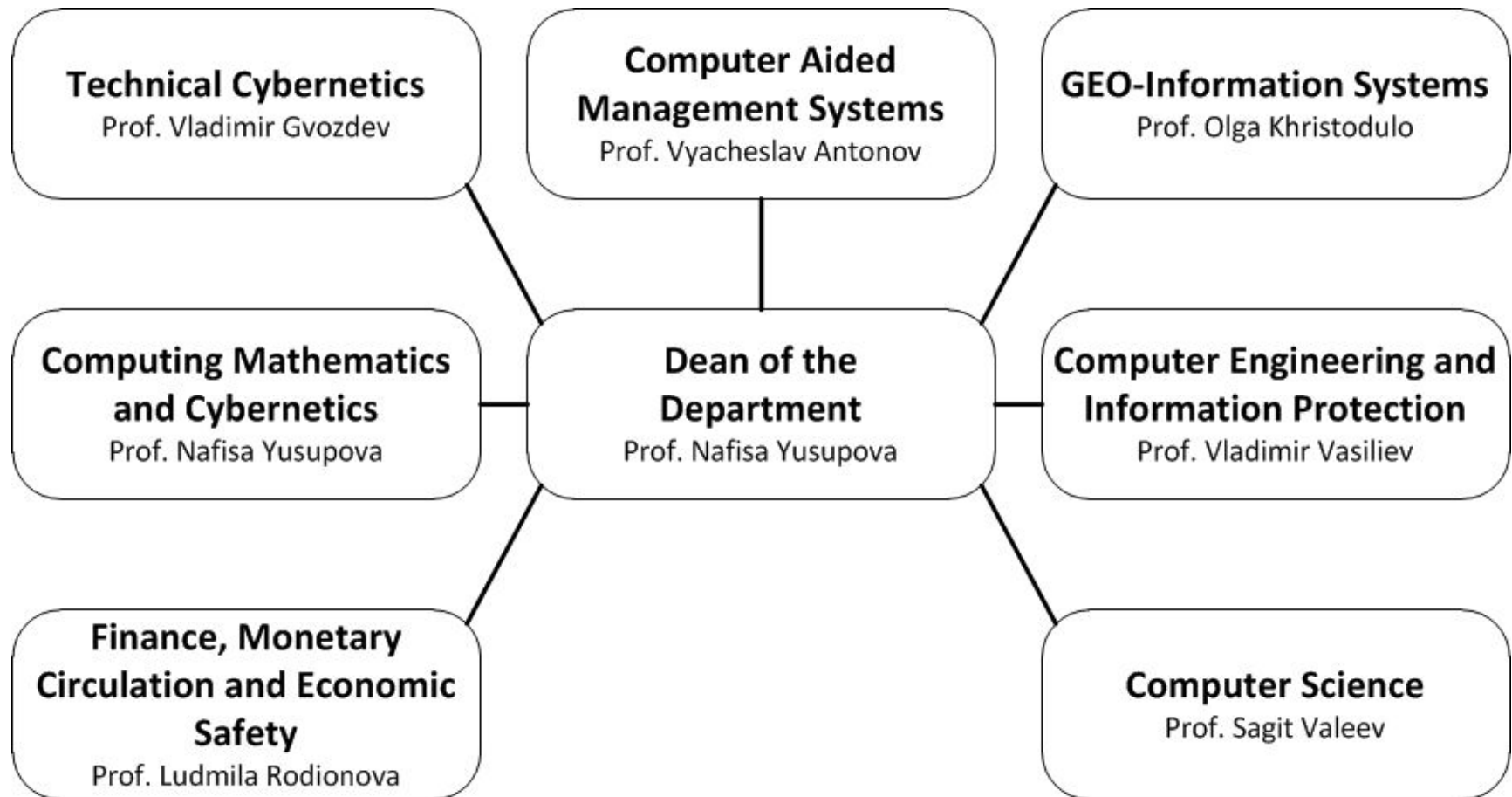
More than 1000 lecturers work at 66 chairs, among them about:

- about 180 Doctors of Sciences;
- about 600 PhDs;
- more than 80 corresponding members, members of the Russian Academy of Sciences and Bashkir Academy of Sciences, different sectoral, state and public academies in Russia and foreign countries.



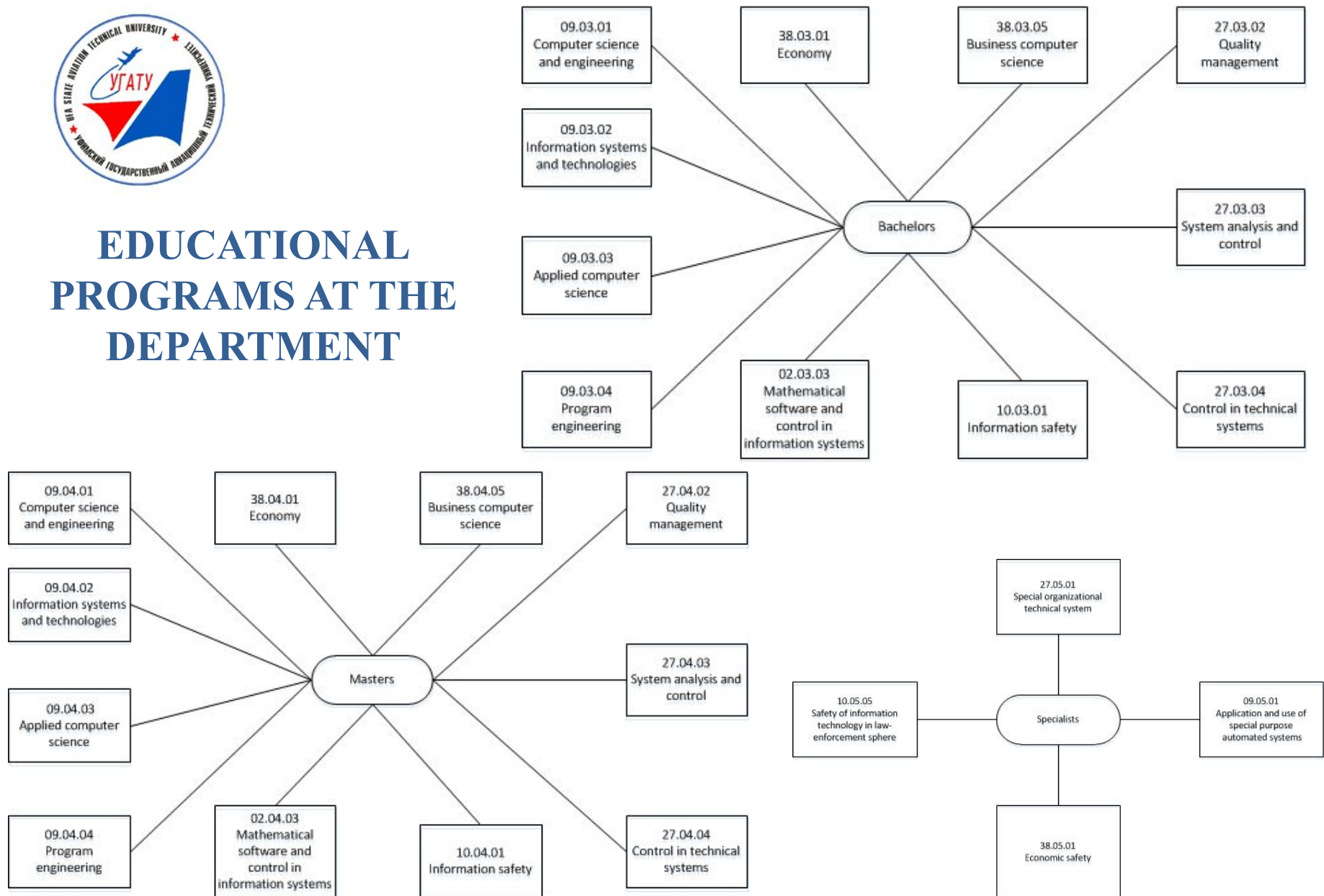


DEPARTMENT OF COMPUTER SCIENCE AND ROBOTICS



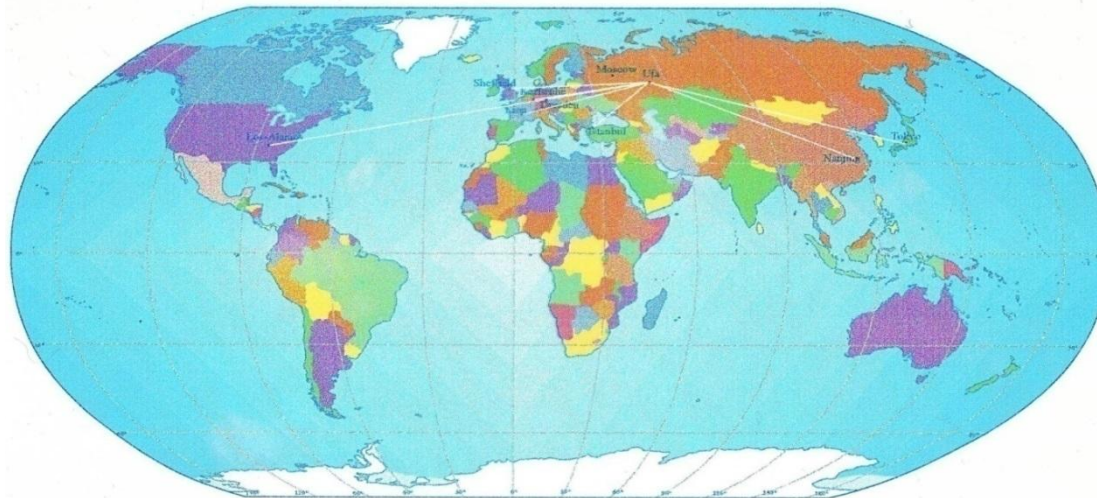


EDUCATIONAL PROGRAMS AT THE DEPARTMENT





INTERNATIONAL COOPERATION AND SCIENTIFIC PROJECTS



The University has agreements on mutual cooperation with:

- Los-Angeles center of material science (USA)
- Karlsruhe Institute of Technology (Germany)
- Meiji University (Japan)
- University of Trento (Italy)
- La Sapienza University of Rome (Italy)
- Universidade Nova de Lisboa (Portugal)
- Ruhr Universität Bochum (Germany)
- Nanjing University of Aeronautics and Astronautics (China)
- Sheffield Hannam University (UK)
- Technical University of Dresden (Germany)
- Bonn-Rhein-Sieg University of Applied Science (Germany)
- University of Wroclaw (Poland)
- Technische Universität Wien (Austria)
- Wroclaw University of Technology (Poland)

International scientific-technical projects:

- "Aviacosmos"
- "Nanocrystals"

Participants of the projects:

SATUU
Universities of Germany, USA, France, China



WORKSHOPS ACTIVITY

□ **International Workshop “Computer Science and Information Technologies”**

2000, 2001, 2003, 2005, 2007 – Ufa, Yangantau, Assy, Krasnousolsk, Russia; 2002, 2009 – Patras, Crete, Greece; 2004 – Budapest, Hungary; 2006, 2011 – Karlsruhe, Garmisch-Partenkirchen, Germany; 2008 – Antalya, Turkey ; 2010 – Moscow – Saint-Petersburg, Russia ; 2012 – Hamburg – Norwegian Fjords; 2013 – Vienna-Budapest-Bratislava; 2014 – Sheffield, England; 2015 – Rome, Italy

□ **“Engineering and Information Sciences: New Methods and Solutions for Emerging Technologies”**

2010 - Karlsruhe, Germany

□ **International workshop “Innovation Information Technologies: Theory and Practice”**

2010 - Dresden, Germany

□ **International Workshop for Young Scientists “Intelligent Technologies for Information Processing and Management”**

2012 - Ufa, Russia

□ **International Summer School “Neuroinformatics”**

2012 - Ufa, Russia

□ **International Conference “Information Technologies for Intelligent Decision Making Support”**

2013, 2014, 2015 – Ufa, Russia

□ **International Conference “Intelligent Technologies for Information Processing and Management (ITIPM)”**

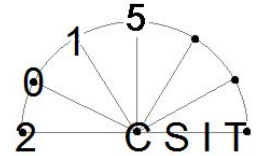
2014, 2015 – Ufa, Russia

□ **International workshop “Technologies of digital processing and data storage”**

2015 – Ufa, Russia



International Workshop “Computer Science and Information Technologies”



- ❖ 2000, 2001, 2003, 2005, 2007 – Ufa, Yangantau, Assy, Krasnousolsk, Russia
- ❖ 2002, 2009 – Patras, Crete, Greece
- ❖ 2004 – Budapest, Hungary
- ❖ 2006, 2011 – Karlsruhe, Garmisch-Partenkirchen, Germany
- ❖ 2008 – Antalya, Turkey
- ❖ 2010 – Moscow – Saint-Petersburg, Russia
- ❖ 2012 – Hamburg – Norwegian Fjords
- ❖ 2013 – Vienna-Budapest-Bratislava
- ❖ 2014 – Sheffield, England
- ❖ 2015 – Rome, Italy

The Workshop's aim is bringing together researchers from different areas, including Distributed Information Systems, Data & Knowledge Management, Computer Control, IT Applications. These areas are heavily related nowadays.

The Workshop attracted more than two hundred submitted technical papers from different countries including both conceptual and experience papers. Both types of submissions were evaluated similarly, in accordance with standards of international forums.

OUR ORGANIZERS



Peter Lockemann

University of Karlsruhe



Heinz Wörn

University of Karlsruhe

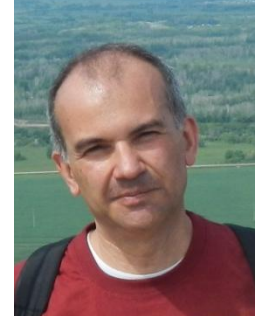


Nafisa Yusupova

USATU



Andreas Fischer
Technical
University of
Dresden



Enrico Tronci

*Sapienza University
of Rome*



Peter P. Groumpos
University of Patras



George L. Kovács
Hungarian Academy of
Sciences



Chrysostomos Stylios
University of Ioannina, Greece,
Artas



Tim Breikin
Sheffield Hallam
University England

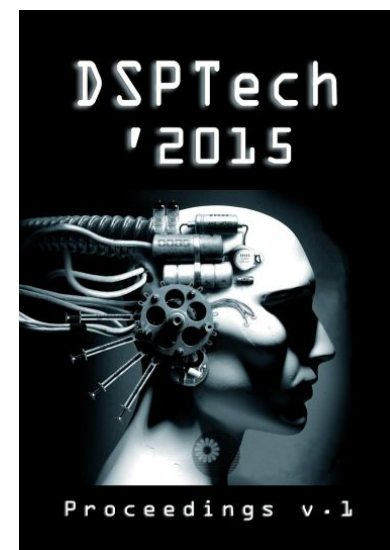
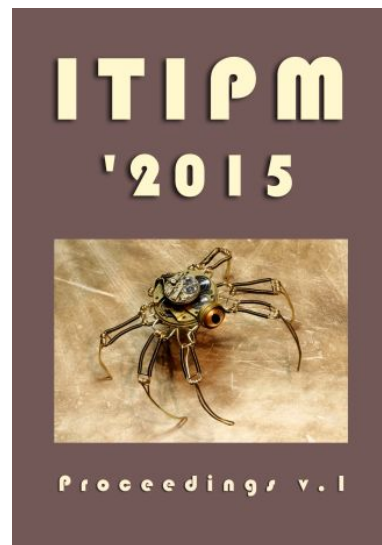
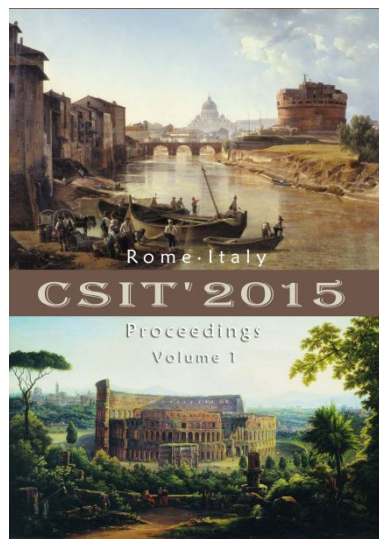
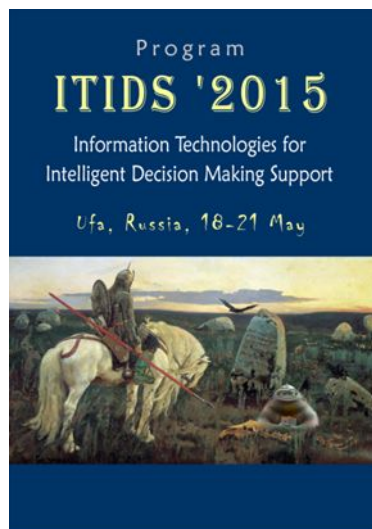


Ufa State Aviation Technical University

Faculty of Computer Science and Robotics

Faculty of Computer Science and Robotics 2015-2016

International Workshop

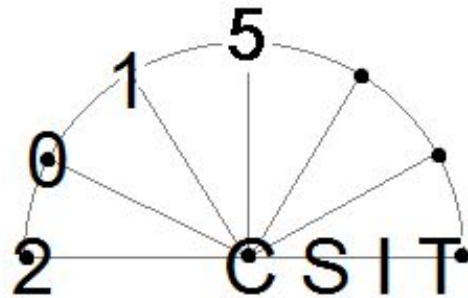




Ufa State Aviation Technical University

Faculty of Computer Science and Robotics

International Workshop on Computer Science and Information Technologies



Rome, Italy
September, 22-26, 2015



CSIT'2015



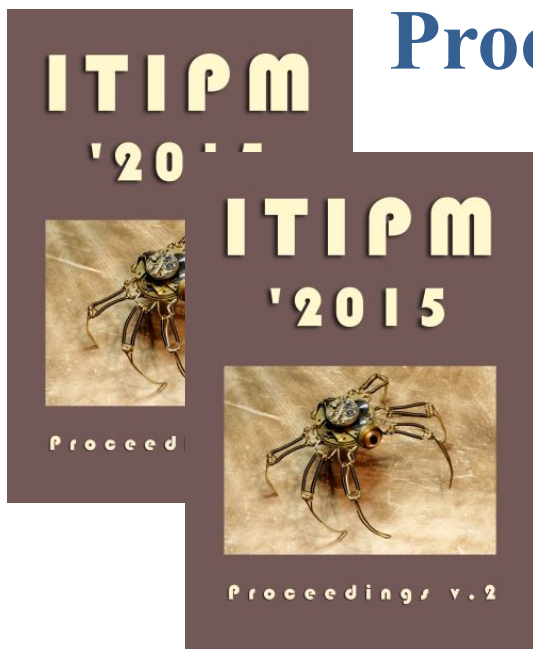


Ufa State Aviation Technical University

Faculty of Computer Science and Robotics

The 3rd International Conference on

Intelligent Technologies for Information Processing and Management



Ufa, Russia
November 10 - 12, 2015



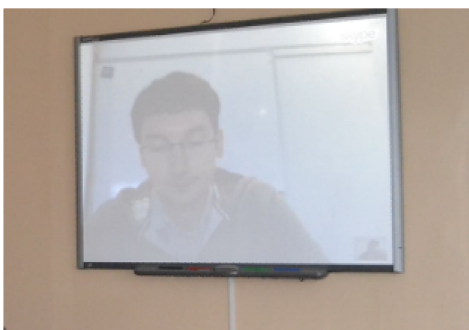
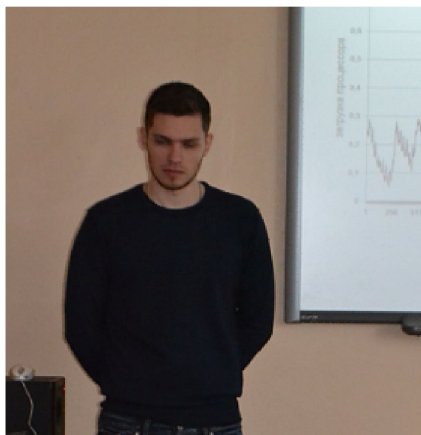
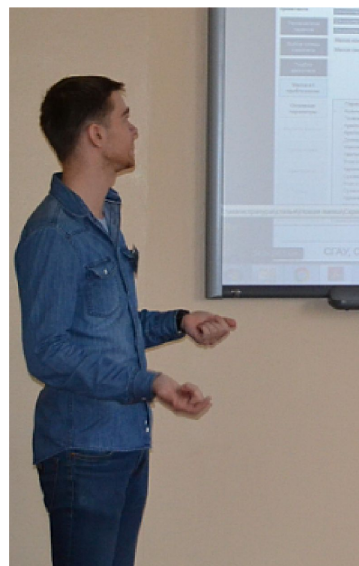


International Conference on "Intelligent Technologies for Information Processing and Management"





International Conference on "Intelligent Technologies for Information Processing and Management"

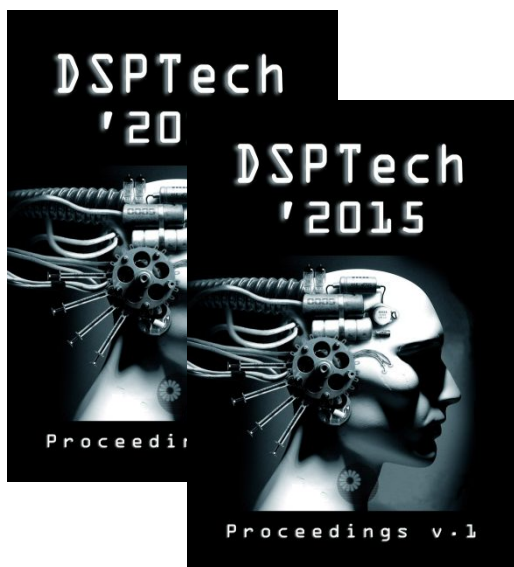




Ufa State Aviation Technical University

Faculty of Computer Science and Robotics

The 1st International Workshop on Technologies of Digital Signal Processing and Storing



Ufa, Russia
December 10 - 13, 2015



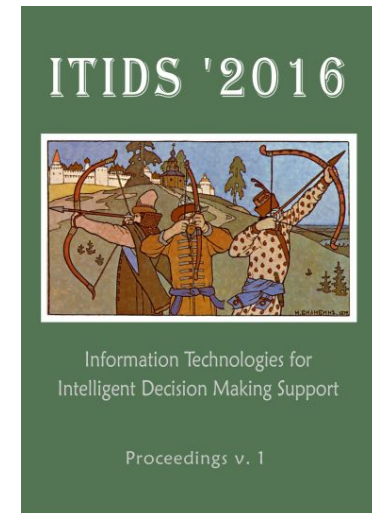
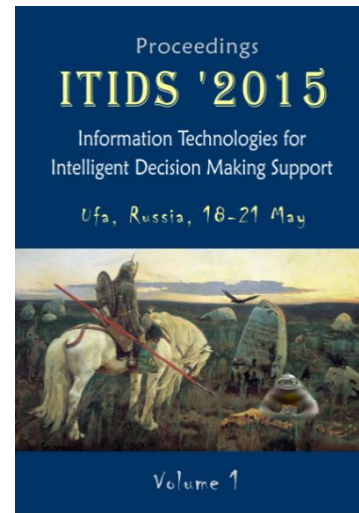
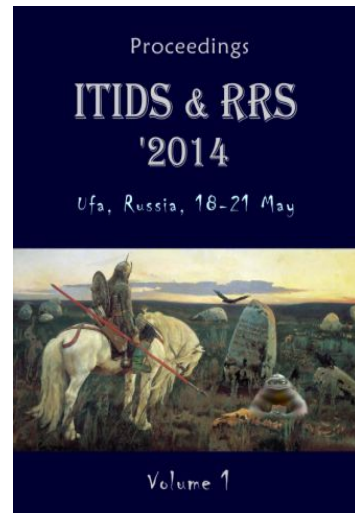
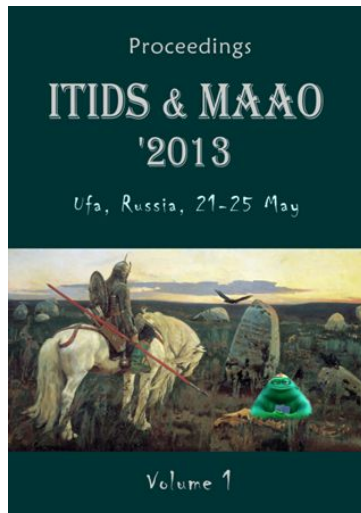


International Workshop on Technologies of Digital Signal Processing and Storing



HISTORY OF CONFERENCE

International Conference on Information Technologies for Intelligent Decision Making Support





HISTORY OF CONFERENCE

The International Conference on

**Information Technologies for
Intelligent Decision Making Support
and
the Intended Russian-German Workshop
on
Models and Algorithms of Applied
Optimization**



Ufa, Russia
May 21 - 25, 2013





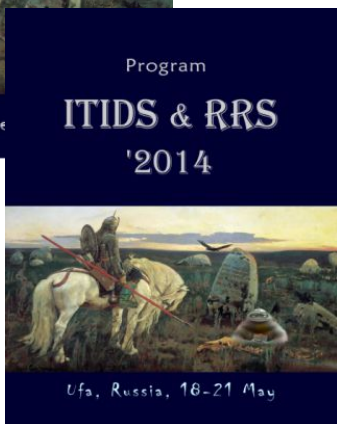
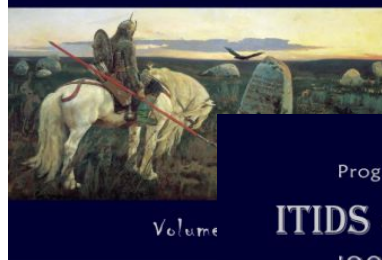
International Conference on Information Technologies for Intelligent Decision Making Support, 2013





HISTORY OF CONFERENCE

The International Conference on
**Information Technologies for
Intelligent Decision Making Support**
and
the International Workshop on
Robots and Robotic Systems



Ufa, Russia
May 18 - 21, 2014





International Conference on Information Technologies for Intelligent Decision Making Support, 2014

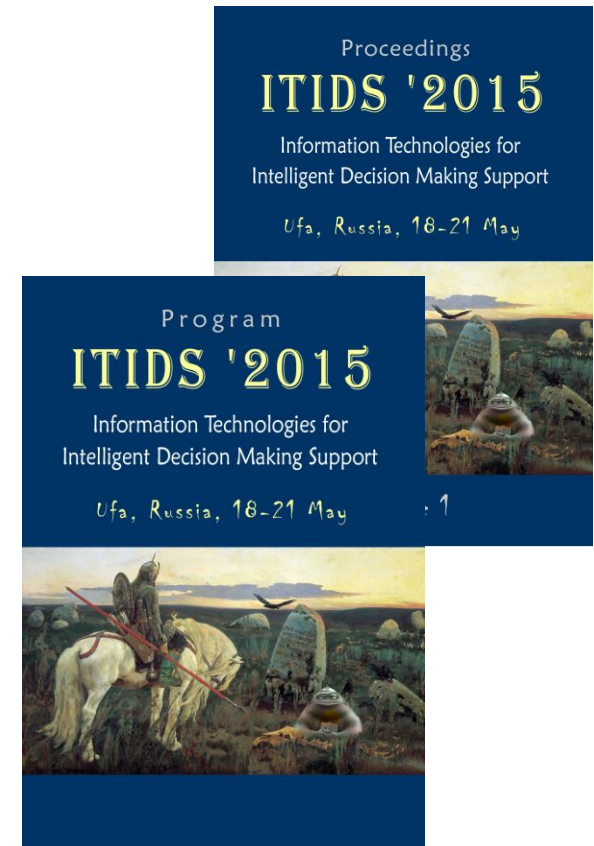




HISTORY OF CONFERENCE

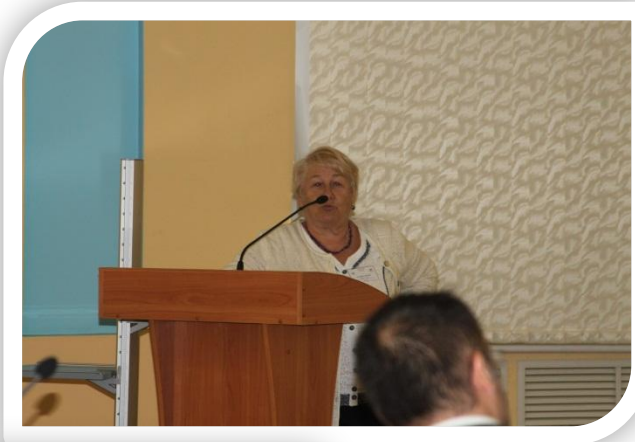
The 3rd International Conference on Information Technologies for Intelligent Decision Making Support

Ufa, Russia
May 18 - 21, 2015





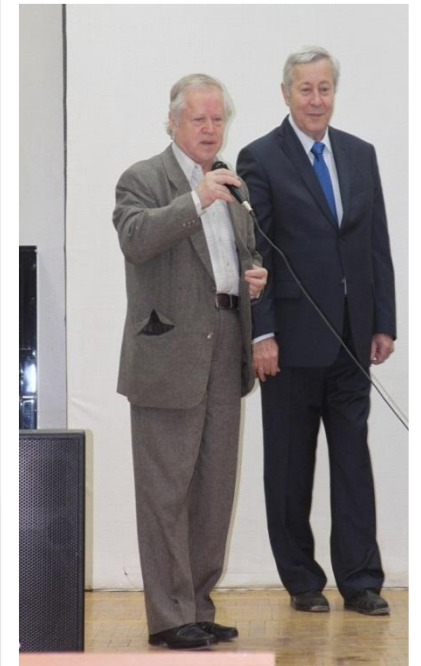
International Conference on Information Technologies for Intelligent Decision Making Support, 2015





International Conference on Information Technologies for Intelligent Decision Making Support, 2015

Awarding the diploma of Honorary Doctor





CONFERENCE OFFICERS



GENERAL ORGANIZING COMMITTEE CHAIR

Yusupova Nafisa, USATU, Ufa, Russia

PROGRAM COMMITTEE CO-CHAIRS

Smetanina Olga, USATU, Ufa, Russia

Fischer Andreas, Technical University of Dresden,
Germany

Kovacs George, Hungarian Acad. of Sciences,
Budapest, Hungary





INTERNATIONAL PROGRAM COMMITTEE

Antonov Viacheslav,
Alimguzhin Vadim,
Borgest Nikolay,
Casati Fabio
Darintsev Oleg,
Ermolov Ivan,
Gainanov Damir,

Gvozdev Vladimir,
Groumpos Peter,
Ilyasov Baryy,
Janschek Klaus
Kartak Vadim
Konrad Uwe,
Khristodulo Olga,
Kulikov Gennady,
Massel Lyudmila,
Melnikov Andrey,
Munasypov Rustem
Petunin Alexander,
Rodionova Liudmila,
Tronci Enrico,
Sherykhalina Nataliya,
Valeev Sagit,
Vasilyev Vladimir,
Woern Heinz,
Wolfengagen Viacheslav,
Zhitnikov Vladimir

USATU, Ufa, Russia
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Samara State Aerospace University, Samara, Russia
University of Trento, Italy
USATU, Ufa, Russia
Russian Academy of Sciences, Moscow, Russia
Institute of social-economy research, Ufa Research Center Ufa,
Russia
USATU, Ufa, Russia
University of Patras, Greece
USATU, Ufa, Russia
Technical University of Dresden, Germany
BSPU, Ufa, Russia
HZDR, Dresden, Germany
USATU, Ufa, Russia
USATU, Ufa, Russia
Energy Systems Institute, Irkutsk, Russia
ChSU, Chelyabinsk, Russia
USATU, Ufa, Russia
UrFU, Yekaterinburg, Russia
USATU, Ufa, Russia
Sapienza University of Rome, Italy
USATU, Ufa, Russia
USATU, Ufa, Russia
USATU, Ufa, Russia
University of Karlsruhe, Germany
JurInfoR-MSU Institute, Moscow, Russia
USATU, Ufa, Russia



GEOGRAPHY OF PARTICIPANTS:

Russia: Ufa, Moscow, Irkutsk, Chelyabinsk, Magnitogorsk, Samara, Izhevsk, Omsk, St. Petersburg, Bryansk, Novocherkassk, Kazan, Khabarovsk, Cheboksary, Naberezhnye Chelny, Kumertau, Sterlitamak, Salavat, Yekaterinburg (19)

Germany: Dresden

Hungary: Budapest

Austria: Vienna

Italy: Trento





CONFERENCE STATISTICS

REPORTS:

Plenary reports:	6
Session reports:	153
Papers in first volume:	48
Papers in second volume:	46
Rejected papers:	18
Papers in third volume:	?

159



ALL REPORTS: 159

ALL PARTICIPANTS: 327





International Conference on Information Technologies for Intelligent Decision Making Support

Research sessions:

- ☐ Intelligent models, methods, technologies and systems
- ☐ Systems analysis and mathematical methods of decision-making
- ☐ Software for decision making support
- ☐ Methods, models and information technologies in natural science
- ☐ Information systems
- ☐ Decision-making methods in complex technical and organizational systems
- ☐ Models and algorithms for decision-making systems
- ☐ Methodology of artificial intelligence
- ☐ Methods, models and information technology in the management of socio-economic systems
- ☐ Young scientist's session

Round table:

- ☐ Robots and robotics systems
- ☐ Models and algorithms of applied optimization
- ☐ Problems of education in terms of new standards



Thank you for your attention!

