



Objective

The conference aims to present scientific, research and development works as well as deployments related to the new generation Internet understood as a global medium of the information society evolving towards a digital society with an omnipresent network.

The conference is addressed to experts in computer science and telecommunication specializing in broadly understood Internet, advanced services, network and system architectures, transmission technologies and social-legal aspects of cyberspace. The conference will witness a presentation of solutions and best practices in multi-domain integration with ICT technologies.

On account of the specificity and presentation of the issues, the conference is also directed to students of related subjects as well as users of broadband networks and distributed systems (local government officials, teachers, etc.).

New organization concepts

The basic principle is the mobility of the conference – it will be hosted in a city connected with the activity area of a subsequent MAN (Metropolitan Area Network), a unit creating the PIONIER Consortium. The MANs submit offers to organize a conference six months before the conference date. The offers are then assessed and selected by the program committee. Next year conferences are always announced during the last session of the current conference.

An important principle of the conference is its receptiveness to the issue of a multi-culture European information society. With this end in view, one of the sessions will be devoted to presenting best practices of the e-region or a global national solution of an e-application in a given country. The session will be presented in the speakers' native languages and simultaneously translated into the Polish language.

Presentation materials will be prepared in English. The last plenary session will be dedicated to the presentation of the selected best local practices of the region hosting the conference.

Call for Papers

Schedule :

31 August 2009 deadline for sending abstracts (summaries of papers) in a form to be found at
<http://www.pionier.net.pl/i3>
<http://www.i3conference.net>

15 September 2009 the committee selects the most interesting papers on the basis of the sent abstracts; a detailed program of the conference is published

30 September 2009 deadline for sending papers by the authors of the selected abstracts.

The most interesting presentations extended into articles will be published in a special issue of "*Computational Methods in Science and Technology*" by the end of 2009. All the conference presentations will be digitally registered and available from the conference digital library via a WWW interface together with the conference visual materials.

Contact

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Invitation to participate in the conference



i3: internet - infrastructures - innovations

Science in the face of the digital society

a scientific conference on the Internet of the future, new generation services and infrastructure of data for science and the information society

4-6 November 2009
The Science Center of the Polish Academy of Sciences
(Ośrodek Nauki PAN)
Poznań, ul. Wieniawskiego 17/19

Organizers:

The PIONIER – Polish Optical Internet – Consortium
Poznań Supercomputing and Networking Center



Organizers

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 mgr inż. Zbigniew Oltuszyk
 Network operation: mgr inż. Jędrzej Jajor
 Technical help: mgr Barbara Kierończyk-Muczek
 Press Officer:

Subjects and subtopics

3 different areas in 4 sessions

I	Internet	Active Internet Education, health and social communication Threats to individuals and societies The Internet of the Future
II	Infrastructures	Technologies of the Internet of Things New media services Distributed architectures and virtualization Reliability and protection systems
III	Innovations	Secure human environment Mobile services of the future Intelligent applications Virtual laboratories

4 different areas arranged in the Research - Development - Implementations order

Interaction	Active Internet - New media services - Intelligent applications
Virtualization	Education, health and social communication - Distributed architectures and virtualization - Virtual laboratories
Security	Threats to individuals and societies - Reliability and protection systems - Secure human environment
Future	The Internet of the Future - Technologies of the Internet of things - Mobile services of the future

Issues

INTERNET: global medium for the information society

The Internet from a multidimensional (legal, sociological, psychological, social, financial, political, and philosophical) perspective; new concepts and mechanisms of the information era; new business models; new civilization divisions connected with access to the network; changes in interpersonal relations, attitudes, and behavior related to the global Internet.

Active Internet

'homo internetus' civilization real and virtual personality philosophy of cyberspace digital lifestyle advertising, e-commerce, banking	Internaut as a source of content and services authority verification social behavior (flash mobs) economy in the Internet culture and entertainment in the Internet	influence of interactivity a statistical Internaut virtual social environments copyrights in the Internet
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Education, Health, and Social Communication

community portals discovering the world online relations by and with the Internet	e-education and e-learning telemedicine	the Internet pedagogy language and modes of expression
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Threats to individuals and societies

additions and "disease entities" objectivity of search engines cybercrime new battlefields	privacy and anonymity in the Internet information isolation identity theft "deep Internet"	credibility of the information digital exclusion cyber terrorism
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The Internet of the Future

trends created by community terminals in domestic appliances peripheries using the network	user's interfaces (natural and graphic) consumer electronics electronic gadgets with online access	in-built systems
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INFRASTRUCTURES: architectures and technologies of global computer networks and their services

Tools, systems, construction methodology, architectures of network solutions; controlling hardware and software administering and monitoring effective dataflow; transmission protocols and technologies; multilevel modes of resource managements.

New media services

media from HD to 8K feedback communication interoperability and formats of multimedia	media on demand service platforms and federations	media personalization service management
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Distributed architectures and virtualization

computations in the network new trends in architectures resource (network, processing, archivization and service) virtualization	service platforms and the ASP software cloud processing, green ICT	scalability issues
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Protection solutions and systems

self-diagnostic systems biometrics certification and authentication	self-repairing systems resource access control systems network security and trust/confidence	access diversification electronic signature
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Technologies of the Internet of Things

wireless and mobile networks new generation protocols sensor networks geo-information systems	B3G (Beyond 3G), 4G RFID and AutoID identification intelligent buildings communication systems using IPv6	UWB (Ultra Wideband) P2P solutions intelligent devices and things
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INNOVATIONS: multidisciplinary integration with ICT technologies

Ideas and changes in the previous perception of systems, mechanisms, and attitudes; modern services, new applications of known tools; good practices of using innovative solutions; pioneer deployments of experimental technologies.

Intelligent applications

telediagnosis and telemonitoring artificial intelligence „man-machine” interaction	sense recognition bionetworks equal opportunity applications (dysfunctions, age)
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Virtual laboratories

laboratory equipment management applications natural environment laboratories	virtual research environments virtual laboratories used for education purposes
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Secure human environment

corporate and national security IDS and IPS systems	monitoring systems digital identity protection
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Mobile services of the future

intelligent city	permanent access services	the Internet of the way
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