



GIIS 2012

December 17-19, 2012

Choroni, Venezuela

<http://giis2012.lip6.fr>

Technically sponsored by



Scope and Overview

The 4th Global Information Infrastructure and Networking Symposium (GIIS 2012) follows the success of GIIS 2007, GIIS 2009 and GIIS 2011.

The scope of GIIS consists of interrelated set of technical, policy, and social issues implicit in the development of national and international (global) information infrastructures. GIIS aims at identifying and promoting the exchange of knowledge on these interrelated issues and provides liaison to bodies in the global society, technical fora and international standards. GIIS 2012 will stimulate interdisciplinary conference sessions and workshops to discuss, built and further the use of national and international information infrastructures.

The conference also aims at providing a forum for the participants to broaden professional contacts and for technical discussions and interactions on specific information infrastructure topics. Information infrastructure brings together information processing applications, communications networks and services, physical and software elements in networks, and end systems.

The program of GIIS 2012 will include invited talks, paper presentations, tutorials and discussion sessions. The technical issues addressed by the conference include Interoperability at various levels, standard services and user interfaces, world wide naming and addressing, and the international mobility of persons and services. The humanitarian and policy issues addressed by the conference are those with a large technical element, including protection of intellectual property, privacy and security, international use of encryption technology, commercial protocols, and standards vs. proprietary technologies. The conference is specifically interested in ubiquity, open source/equal access, ease of use, cost effectiveness, standards, and architectural openness.

The program of GIIS 2012 will include a Technology Track, and a Humanitarian and Policy Track. Topics of interest include but are not restricted to the following aspects:

Technology track

Communications Software and Services

Communications & Information Security
Middleware for networked applications
Communications Quality and Reliability
Network Operations and Management
Autonomic Communication Systems
VoIP, IPTV, MobileTV, TVOD, Gaming
e-Government, e-Health,
Networked Medical Applications

Networking

Ad Hoc & Sensor Communications & Networks
Communications Switching & Routing
Delay/Disruption tolerant wireless networks
High-Speed / Optical Networking
Next Generation Internet
Multimedia Communications
Optical Networking
Home and Enterprise Networking
Personal Communications
Peer-to-peer & overlay networks
Tactical Communications & operations

Communications Technologies

Communication Theory
Power Line Communications
Wireless Communications
Satellite and Space Communications
Transmission, Access & Optical Systems

Humanitarian and Policy Track

Telecom Finance and Economics

Telecom price regulation, pricing strategies
Cost accounting, cost structures for telecom
Economic model of international interconnection
Economic & intellectual property issues

Convergence and Competition

Competition in International Service
Municipal broadband
Net neutrality issues
Global telecom business, country and region cases

Telecom and Society

Communities in connectivity policy making
Training, support, relevant applications
Non-Governmental Organizations
Professional organizations and standards activities
Implications of new telecom technologies
Digital Opportunity Index
Telecom policies for rural and poor areas

Policy and restructuring

Region and country specific telecom policies
Services focused telecom policy
Strategies for growing rural connectivity
Spectrum management policies

Development of Global Access

Development plans and activities
Economics and financing of the global access

Committees

General Chairs

Guy Pujolle, University of Paris 6, France
Carlos Figueira, Universidad Simón Bolívar, Venezuela
Gladys Diaz, Université Paris 13, France

TPC Chairs - Technology Track:

Khaled Boussetta, INSA Lyon, France
Luis Costa, Federal University of Rio de Janeiro, Brazil

TPC Chairs - Humanitarian and Policy Track:

Latif Ladid, University of Luxembourg, Luxembourg
Ramon Puigjaner, Universitat de les Illes Balears, Spain
Franco Silva, Colombeia Consultores C.A. Venezuela

Special Sessions Chair

Noura Limam, University of Waterloo, Canada

Tutorials Chair

Sidi Mohammed Senouci, University of Bourgogne, France

Publicity Chair

Carlos Becker Westphall, Federal University of Santa Catarina, Brazil

Publications Chair

Nadjib Achir, INRIA, France

Local Arrangements

Armando Borrero, Universidad de Los Andes, Venezuela
Marwen Abdennebi, Université Paris 13, France
Lounis Aziza, University of Paris 6, France

Important dates

Submission deadline: October 7, 2012

UBIROADS Workshop deadline: October 7, 2012

Author Notification: October 28, 2012

Camera-Ready Due: November 11, 2012

Authors Registration Deadline: November 11, 2012

Submission Process

Authors should submit a research paper or experience report. All submissions should be written in English with a suggested paper length of 3000 words (6 pages using 10-point type), including figures and references. The maximum number of pages for a paper is 8; 6 pages plus 2 additional pages allowed. Papers must be submitted online via the EDAS system:

<https://edas.info/newPaper.php?c=13039>

Submission of a paper for review will be considered your agreement that at least one author will register and attend the conference if your paper is accepted.

Selected papers will be invited for publication in special issues of international journals, such as **Annals of Telecommunications**.

