

IFIP WORKING GROUP 6.9

Communication Systems for Developing Countries

Report for Meeting (2006-1, Coimbra), (May 19-20/ 2006)

Source: Ana Pont-Sanjuán (Politechnical University of Valencia, Spain)

Date: May 15, 2006

1. Reports from Conferences and Workshops held

None from January until May 2006

2. Plan for the next Conferences and Workshops

2.1

The 2006 IFIP WG 6.9 workshop on Wireless Communications and Information Technology in Developing Countries (WCIT'2006)

The aim of this workshop is to bring together practitioners and researchers from both academia and industry in order to have a forum for discussions and technical presentations on the current practices and future opportunities in wireless Communications and Information Technology in Developing Countries. It is addressed to research papers, case studies or position papers describing current innovative & cost-effective technologies, applications and future opportunities in wireless communication systems and information technology in the context of Developing Countries.

Date and place of the event: **Santiago, Chile, August 20, 2006**

ORGANIZERS

Mieso Denko

Dept. of Computing and Information Science
University of Guelph, Guelph
Canada denko@cis.uoguelph.ca

Ana Pont-Sanjuan

Dept. d'Informàtica de Sistemes i Computadors
Universitat Politècnica de València, Spain apont@disca.upv.es

PROGRAM COMMITTEE

Virgilio Almeida, *Universidade Federal de Minas Gerais, BR*. Alberto Avritzer, *Siemens Corporate Research, US*. Benjamín Barán, *Universidad Nacional de Asunción, PY*.
Hector Cancela, *Universidad de la República, UY*.
Said E. El-Khamy, *Alexandria University, EG*.
Jim Forster, *CISCO, US*.
José A. Gil, *Universidad Politécnica de Valencia, ES*.
Wayne Goddard, *Clemson University, US*.
Farouk Kamoun, *ENSI, TN*.
Samuel K. Kassegne, *SDSU, US*.
Koos Koen, *Wits Business School, ZA*.
Pieter S Kritzinger, *University of Cape Town, ZA*.
Luis Orozco, *Universidad de Castilla-La Mancha, ES*.
José M. Piquer, *Universidad de Chile, CL*.
S. V. Raghavan, *Indian Institute of Technology Madras, IN*.
Gerardo Rubino, *IRISA, FR*.
Haidar H. Safa, *American University of Beirut, LB*.
Julio Sahuquillo, *Universidad Politécnica de Valencia, ES*.
José Neuman de Souza, *Federal University of Ceará, BR*.
Alberto Valderruten, *Universidade de A Coruña, ES*.

- Number of submitted papers: **20** / Accepted: 10
- Publication of proceedings: all accepted papers will be published in a CD with own ISBN. Proceedings will be available at the Workshop.
- Number of reviewers for each paper 2/3
- Registration fee: 300 US\$
- Electronic tool used for reviewing: the same provided for WCC 2006 (unsuccessfully)
- Use of loans or grants: none

2.2 “Women in the Information Society: Ensuring their Full Participation in Latin America”
“Las Mujeres en la Sociedad de la Información: Avanzando hacia su plena participación en América Latina”

Summary

This workshop will address gender equity in the information society from the perspective of global progress; progress in Latin America; and then will focus on a few success stories in the region. Speakers will address and women's basic access to, benefit from and literacy in Information and Communication Technologies (ICT), and the need to educate, recruit, retain and retrain engineering and ICT employees by targeting women to in order to maintain global and regional competitiveness.

This event is co-organized between IFIP-TC6 and Hewlett-Packard

Purpose

Provide attendees with a global and regional context for women and ICT, success stories and tools for improving gender equity in ICT for national, regional and global capacity building and social justice.

Objectives

1. Create awareness among attendees about the critical issues globally and regionally that impact women's full access, vocational training, qualifications, participation and leadership in engineering and ICT.
2. Present success stories globally and in the region
3. Present a global women's network response and the tool that has developed to facilitate sharing information, best practices and collaboration
4. Hear about the Gender Parity efforts in Chile and their implications for gender parity in ICT.
5. Hear of HP's interest and response to the challenges
6. Provide a resource fair for women working in technology related areas.
7. Through panels provide information relevant to the interests for the target group.
8. Provide a market to vendors for products to support women in technology

The target audience

1. Educators in ICT
2. Career women in technology
3. Next generation women in technology

4. Advocates for women exploring solutions to issues for women and ICT
5. Public and Private Associations for Women's' Development

What: Latin American Women and Technology Forum

When: August 20, 2006

Where: Santiago de Chile
Hotel Crowne Plaza, Salon Patagonia

Organizers:

CENTRO DE MODELAMIENTO MATEMATICO (CMM)- Universidad de Chile

- Dalia Finkelstein - dfinkels@dim.uchile.cl

IFIP_TC6 (Universitat Politècnica de València)

- Ana Pont Sanjuan - apont@disca.upv.es

Univ of Maryland Baltimore County

- Claudia Morrell - cmorrell@umbc.edu

HP – University Relations

- Barbara Waugh – barbara.waugh@hp.com
- Lueny Morell – lueny.morell@hp.com

Target attendance: 300+

Tentative Timeline: 2:00PM – 7:00 PM

2-4: Workshop I

4-4:30 Break

4:30-6:30 – Workshop II

6:30-7:00 – Wrap Up and Next Steps

No registration fee will be required

Use of loans or grants:

IFIP TC6 will provide 3500 € to contribute in covering travel expenses of speakers

HP: 5000 €

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2.2 Other events co-supported by WG 6.9

EUNICE 2006, Open European Summer School. Colmenarejo, Stuttgart, Germany

WG 6.9 co-participates with WG's 6.3, 6.4 and 6.6 in this event.

3. Plan of WG meetings

A virtual meeting was held in December 2005 to report the activities of 2005 and to discuss new ones. Main conclusions:

1. We must open contacts with computer or information societies in Developing Countries to look for opportunities to work in Conjunction.
2. To organize a workshop related to communication systems in developing countries along with one of the conferences in the WCC06.
3. To try to involve people from different area to organize new events
4. People are not very active in this kind of discussions.

4. Aims and scope

No changes

5. Steering Committees

6. Membership

New member:

Professor S V Raghavan
Email: svr@cs.iitm.ernet.in

Department of Computer Science and Engineering
Indian Institute of Technology Madras
Chennai 600036 INDIA
Tel: +91 44 2257 4359/4350 (Messages)
Fax: +91 44 2257 0563

7. Minutes of WG meetings

8. (Any other relevant items)



IFIP
World Computer Congress
Santiago de Chile

CALL FOR PAPERS

The 2006 IFIP WG 6.9 workshop on Wireless Communications and Information Technology in Developing Countries (WCIT'2006)

To be held in conjunction with 8th IFIP/IEEE International Conference on Mobile and Wireless Communications Networks, MWCN'2006



19th IFIP WORLD COMPUTER CONGRESS (<http://www.wcc-2006.org/>)

20-25 August 2006, Santiago, Chile

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Alberto Valderruten, *Universidade de A Coruña, ES*

IMPORTANT DATES

Abstract registration:
March 10, 2006
Full paper submission:
March 30, 2006
Notification of acceptance:
May 10, 2006
Camera-ready copy:
May 30, 2006

AIM and SCOPE

The aim of this workshop is to bring together practitioners and researchers from both academia and industry in order to have a forum for discussions and technical presentations on the current practices and future opportunities in wireless Communications and Information Technology in Developing Countries.

We are seeking research papers, case studies or position papers describing current innovative & cost-effective technologies, applications and future opportunities in wireless communication systems and information technology in the context of Developing Countries. Both research-in-progress and completed research papers can be submitted.

Topics include, but are not limited to:

WIRELESS and MOBILE COMMUNICATION SYSTEMS

- Applications of wireless communication systems
- Personal communication systems
- Broadband communication systems
- Satellite-based communication systems
- Hybrid communication systems (wired and wireless)
- Wireless Local Loop
- GPRS for developing countries
- Appropriate telecommunication technologies for developing countries
- Ad hoc networks for developing countries
- Wireless Access technologies: radio, GSM, UMTS, CDMA, WCDMA
- Mobile services
- Regulatory issues in wireless spectrum use
- Challenges in wireless communications
- Wireless Application Protocol (WAP)
- Satellite-based communication systems
- Cost analysis of wireless communication technologies

INFORMATION TECHNOLOGY/INFORMATION SYSTEMS

- Information technology applications for government institutions
- Information system development and applications
- Internet usage and Internet Service Providers
- Internet application in Agriculture, environmental protection
- ICTs and its applications in rural areas
- E-government
- E-commerce and M-commerce
- The impact of IT/IS on economic development
- Digital Divide
- Public health information management system
- Security of Online communities and forums
- Environment monitoring and navigation systems
- Privacy issues

PAPER SUBMISSION

Abstracts must be submitted to one of the organizers by electronic mail. Authors of approved abstracts should submit their full papers at most ten pages electronically on the web site of the conference, <http://www.wcc-2006.org/wcit>, in Portable Document Format (PDF). The name and affiliation of all authors should be included on the paper, and the contact information for the lead author should be added in a cover page.

REVIEW PROCESS

All submitted papers will be reviewed by at least two reviewers. Acceptance will be based on originality, quality, relevance and the practical value of the work.

PROCEEDINGS

All accepted papers will be published in a CD with own ISBN. Proceedings will be available at the Workshop.



WORKSHOP

August 20, 2006 Santiago
de Chile

Women in the Information Society: A Global Context and Tools for Ensuring Full Participation of Women in Latin America

Las Mujeres en la Sociedad de la Información: Un contexto global y herramientas para garantizar su plena participación en América Latina

Santiago de Chile
Hotel Crowne Plaza, Salon
Patagonia

Hosts/Organizers:

**CENTRO DE
MODELAMIENTO
MATEMATICO (CMM-U. de
Chile)**

Dalia Finkelstein
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Martina Trucco
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**Timeline: August 20,
2:00PM – 7:00 PM**

2-4: Workshop I

4-4:30 Break

4:30-6:30 – Workshop II

6:30-7:00 – Wrap-Up and
Next Steps

Summary

This workshop will address gender equity in the information society from the perspectives of global participation; Latin American women; success stories, tools and best practices. Speakers will address women's access to, benefit from and literacy and leadership in Information and Communication Technologies (ICT), and the need to educate, recruit, retain and retrain women engineering and ICT employees to maintain global and regional competitiveness. Finally, the workshop will offer participants concrete tools and best practices that have demonstrated success for ensuring girls and women's full participation in the knowledge economy.

Purpose

Provide attendees with a global and regional context for women and ICT, success stories and tools for improving gender equity in ICT for national, regional and global capacity building and social justice.

Objectives

- Increase awareness among attendees about the critical global and regional issues that impact women's full access, vocational training, qualifications, participation and leadership in ICT.
- Hear of corporate interest in and response to the challenges
- Present success stories and tools that have demonstrated effectiveness globally and in the region
- Provide a resource fair and networking event for advocates for girls and women working in technology related areas.

Target Audience

- Educators in ICT
- Career women and men in technology
- Next generation women and men in technology
- Advocates for women exploring solutions to issues for women and ICT
- Public, government and private associations for women's development

Part I: The Context, Issues and Trends - El Contexto, Temas y Tendencias

Explores the situation for girls and women in the information society from a global and regional perspective: access to, benefits from information and communication technology (ICT); the obstacles and accelerators to professional women in the field; and implications for capacity building and social justice.

- **Woman Minister from Chile** (invited) **Welcome to Chile**
- **Marcela Perez-de-Alonso** –EVP of HR, Hewlett-Packard, **Why Do Corporations Care?**
- **Nancy Hafkin**, Ph.D., Director, Knowledge Working; Former Coordinator, African Information Society Initiative, United Nations Economic Commission for Africa – **Women in the Information Society: Rising Waters Don't Lift All Boats**

Part II: Global and Regional Success Stories & Tools/ Historias y Herramientas de Buenas

Prácticas a Nivel Global y Regional. Explores in greater depth successes in a few targeted countries, and tools for global and regional development.

- **Claudia Morrell**, Executive Director of the Center for Women and IT - **Creating Tools to Support Girls and Women's Participation in ICTs**
- **Chat Garcia Ramilo**, Director of the Women's Networking Support Programme of the Association for Progressive Communications - **The APC Global Women's Program.**
- **Rick Duque**, Chilean social scientist, Ph.D. Candidate, Louisiana State University – **The Internet Golpe in Chilean Science**
- **Marina Larios**, MSc O.D. MA Comm. BSc. Hons; Director, Inova Consultancy Ltd. UK., President of WiTEC(European Association for Women in Science, Engineering and Technology) - **European Initiatives and Tools for Empowering Girls and Women in the Information Society**

Respondents & Q&A

Wrap-Up and Next Steps



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WORKSHOP

August 20, 2006 Santiago de Chile

***Women in the Information Society: A Global Context
and Tools for Ensuring Full Participation of Women
in Latin America***

***Las Mujeres en la Sociedad de la Información: Un
contexto global y herramientas para garantizar su
plena participación en América Latina***



Summary

This workshop will address gender equity in the information society from the perspectives of global progress; Latin American women; success stories, tools and best practices. Speakers will address women's access to, benefit from and literacy and leadership in Information and Communication Technologies (ICT), and the need to educate, recruit, retain and retrain women engineering and ICT employees to maintain global and regional competitiveness. The workshop will offer participants concrete tools and best practices that have demonstrated success for ensuring girls' and women's full participation in the knowledge economy.

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Timeline: August 20, 2:00PM – 7:00 PM

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4-4:30 Break

4:30-6:30 – Workshop II

6:30-7:00 – Wrap-Up and Next Steps



Workshop organization and contents

Moderator: Barbara Waugh, Ph.D., Hewlett-Packard Company

Part I:

***The Context, Issues and Trends/
El Contexto, Temas y Tendencias***

Part I explores the situation for girls and women in the information society from a global and regional perspective: access to, benefits from information and communication technology (ICT); the obstacles and accelerators to professional women in the field; and implications for capacity building and social justice.

Presenters:

Woman Minister from Chile (invited)

Welcome to Chile.

Lay out the significance of gender equity for capacity building in the world and in the region, and share the significance of the new president's commitment to gender equity and implications for women and ICT (25 minutes)

Marcela Perez-de-Alonso –EVP of HR, Hewlett-Packard,

Why Do Corporations Care?

Marcela is a native Chilean, and one of only 10 women to be included in recent Hispanic Business Corporate Elite directory, named one of the 50 Most Important Hispanics in Technology and Business by Hispanic Engineer & Information Technology magazine, and named the 2005 Corporate Executive of the Year by Hispanic-Net, a California NGO. She will discuss the significance to the corporate sector of gender equity in order to produce the best skilled workers and ensure full business and market development; and what HP is doing about building global and regional capacity (20-25 minutes)

Nancy Hafkin, Ph.D., Director, Knowledge Working; Former Coordinator, African Information Society Initiative, United Nations Economic Commission for Africa
Women in the Information Society: Rising Waters Don't Lift All Boats.

Nancy will present an overview of the situation of ICT and women's empowerment globally, with an emphasis on Latin America, examining progress and constraints and attempting to identify critical success factors. Attention will also be given to efforts being made to develop tools to measure the participation of women in information technology, particularly in developing countries- an area in which the lack of evidence has exacerbated the invisibility of women in the information society.

(20-25 minutes)

Respondents & Q&A

Break & Networking



Part II:

**Global and Regional Success Stories & Tools/
Historias y Herramientas de Buenas Prácticas a Nivel Global y Regional**

Explores in greater depth successes in a few targeted countries, and tools for global and regional development

Claudia Morrell, Executive Director of the Center for Women and IT -. **Creating Tools to Support Girls and Women's Participation in ICTs .**

The Center for Women and Information Technology develops well-tested tools that encourage girls and women in ICTs. Tools include an award-winning video, a global declaration of agreement, a 'how-to' guide for Computer Mania Day, and a program to transform mid-career women into technology entrepreneurs. All these tools are available for you to adapt or adopt. Under Claudia's leadership, the Center's programs and resources have expanded dramatically, including the development of a CWIT Scholars program which retains 94% of its students; increased funding of \$8 million in scholarships, research, and program funding to support girls' and women's participation and advancement in science, technology, engineering, and mathematics (STEM) careers in education and industry; and the expansion of personnel from two to forty-one staff, students, teachers, and faculty all focused on global change, beginning one girl and one educator at a time.

(20-25 minutes)

Chat Garcia Ramilo, Coordinator of the Women's Networking Support Programme of the Association for Progressive Communications.

The APC Global Women's Program.

Chat will discuss the work of the network around the world and share a popular and effective program evaluation tool, GEM, the Gender Evaluation and Methodology for the Internet and ICTS. GEM has been applied by Telecentros in several countries in Latin America (20-25 minutes).

Rick B. Duque, Sociologist of Science, Ph.D. Candidate (ABD), Louisiana State University.

The Internet Golpe in Chilean Science:.

Rick will share research on the question, "Do women still have more difficulty pursuing research careers than men in the Internet era?" Although this question has been extensively investigated in industrialized countries (pre-Internet), research is just now providing comparative evidence from less developed areas such as Africa and India. Based on 30 digital video interviews and a comprehensive survey of 285 scientists in Chile, we initiate an examination of Latin American gender differences on a variety of individual, organizational, and Internet practice dimensions. (20-25 minutes)

Marina Larios, MSc O.D. MA Comm. BSc. Hons; Director, Inova Consultancy Ltd. UK, President of WiTEC (European Association for Women in Science, Engineering and Technology)

European Initiatives and Tools for Empowering Girls and Women in the Information Society.

Marina will discuss Global Interventions, its impact and outcomes on communities, groups and policy. She will build on the good practice of WiTEC, which has 20 years experience working with EC funded programmes, featuring EQUALITEC, which targets women interested in returning to careers in ICT after time out of the workforce and is funded under the Equal programme of the European Social Fund A variety of findings and tools will be presented. (20-25 minutes)

Respondents & Q&A

Wrap-Up and Next Steps