ifip News
the leading edge of information technology

December 2005

# IFIP at United Nations World Summit

**Contributions to the pre-conference "Past, Present and Future of the Information Society (PPF-2005)"**

Immediately preceding Phase-2 World Summit on Information Society (WSIS-2005), IFIP cosponsored, jointly with the Society for Social Studies of Science (4S), Hewlett Packard and several other scientific and UN organisations, a conference addressing many aspects of how Digital Information and Communication Technologies will influence and affect scientific methods and developments on a global basis. The event was held in one of the major Congress hotels in Tunis, where significant security measures were implemented; nevertheless, the scientific discourse was open and free.

IFIP organised 2 sessions, in which the outcome of recent IFIP events were presented. Session 1 was devoted to "IT and development". Here, Dipak Khakhar reported about the WITFOR process, from WITFOR-2003 in Vilnius (Lithuania) to WITFOR-2005 in Gaborone (Botswana) and plans for WITFOR-2007 in Addis Ababa (Ethiopia). In 2003, the Vilnius declaration was presented by H.E. Adamkus, then UNESCO Ambassador of his country (now: president of Lithuania) both to UNESCO General Conference (October 2003) and to Phase-1 World Summit on Information Society (Geneva, November 2003).

Session 1 also included a report about a project of an Italian Technical School in cooperation with a Technical School in Burundi. Here, Paolo Brunelli presented a good example how an individual initiative can help to support development of technical skills in a Developing Country.

IFIPs session 2 addressed "Roles of IT in the Information Society". Two major issues, also dominating discussions in the World Summit, were discussed. Regarding IT and Network Security, Dmitris Gritzalis (TC-11) presented a very thoughtful paper on "Information Society and Research on ICT Security in the Developing World". Klaus Brunnstein presented "Requirements for Security in the Information and Knowledge Society". The session concluded with Jacques Berleur´s (TC-9) paper on "Governance and Ethics in the Information Society" which esp. included an analysis of the present status of Internet Governance – also a major theme at the subsequent World Summit.

Other sessions in PPF-2006 dealt with requirements and problems of fair access to information as basic prerequisite for research in open Information and Knowledge Societies. Here, an initiative to develop an "Information Commons for Science" was discussed by panellists from diverse organisations such as OECD, UNESCO and several scientific bodies. Collaboration through and experiences with The Internet may help to improve scientific discourse on a worldwide level. In addressing another major issue also for WSIS, a special session – well organised by Hewlett Packard with speakers form Costa Rica, Dubai, Tunisia and USA - was devoted to roles and problems of "Women and IT" in Developing Countries. Several sessions presented also case studies on development of IT and Networking in developing countries.

A documentation of this event – which was a continuation of a similar event, organised also on behalf of IFIP in Geneva 2003 by Raymond Morel and colleagues (TC-3) – will be published in 2006 under a special contract (Springer).

Dr. Klaus Brunnstein

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## *Project from WITFOR on Health demonstrated at WSIS in Tunis*

European Union invited one of its sponsored project **BEANISH** (**B**uilding **E**urope **A**frica collaborative **N**etwork for applying **IS**T in **H**ealth care sector). The project is one of the outcome of WITFOR 2005 in Botswana.

The partners of the project are institutions Norway, Sweden, Botswana, South Africa, Mozambique, Tanzania, Malawi, Ethiopia and IFIP.

Within the general framework of the BEANISH initiative, the key aims are

- to develop collaborative networks to support HIS (**H**ealth **I**nformation **S**ystem) implementation
- to support the HISP implementation in partner countries; and
- to cultivate capacity to support the development of a free and open source software for HIS.

*Knut Staring, Joseph Musekura,Dipak Khakhar*

IFIP is with its project partners in Norway, Sweden and Finland is planning a similar network with a number of countries in Asia including Thailand, Vietnam, China and India. At BEANISH stand besides BEANISH information pamphlets of IFIP and Gabarone Declaration from WITFOR 2005 were also distributed.

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# *SEARCC '2006 CONFERENCE*

***Colombo, Sri Lanka September 8 – 10, 2006***
***Theme: Value Creation in the Modern Economy***
***Organised By: The South East Asia Regional Computer Confederation***
***Hosted By: The Computer Society of Sri Lanka***

## Call for Speakers/Papers

The Computer Society of Sri Lanka is pleased to invite papers from prospective speakers who wish to contribute to the conference. Streams and sub themes are given below.

**Conference Streams**

* Management
* Emerging Technologies
* Security
* Information Society

Sub Themes

**Management** – Strategic Use of ICT, Optimizing ICT Investment, Creating & Managing Human Capital, Excellence in ICT, Business Continuity, Outsourcing.

**Emerging Technologies & Open Source** – Mobile Technologies, Open Source, RFID.

**Security** – Forensics, viruses & Vulnerabilities, Security.

**Information Society & Citizen Services** – Value Creation in Citizen Services, Protecting Consumers in Cyber Space, E-Government Strategies & Implementation.

Speaker proposal should include the profile of the speaker with the educational and professional background, affiliations and experience in the proposed topic. Please forward an extended abstract giving a broad outline and main conclusions of the proposed paper which will not exceed two pages.

Speakers will be selected by the Proceedings Committee based on the speaker profile relevance, originality and clarity. Accepted papers will be published in the conference proceeding subject to the copyright conditions of SEARCC.

**KEY DATES:**

Jan 31, 2006 - Submission of Extended Abstracts
Feb 28, 2006 - Notification of Acceptance/Rejection of Abstract
Mar 31, 2006 - Submission of Full Paper
May 31, 2006 - Notification of Acceptance/Rejection of Paper
Jul 31, 2006 - Submission of revised Paper (in machine readable form)

Chairman, SEARCC '2006 Conference Proceedings Committee,
Computer Society of Sri Lanka, Professional Centre,
275/75 Stanley Wijesurndera Mawatha, Colombo 7, Sri Lanka
Tel+94 11 2592762 Fax: +94 112508009, E-mail csslsec@lanka.ccom.lk, web: www.cssl.lk

# *Moving Forward*

"Preparing IFIP for its next 50 years" may sound an ambitious challenge. IFIP's Executive Board joined by Raymond Morel, Chair of IFIP Strategy Working Party, met in London in December to start the process. Over two days the meeting examined IFIP's role in the world and a wide range of comments submitted from TCs and Member Societies.

IFIP's environment has changed dramatically in almost every aspect since its foundation in 1960. The meeting began by reflecting on how, for example, computers have expanded from expensive scientific and commercial devices in air-conditioned machine rooms into an electronic retail commodity advertised on the back of buses. IFIP was founded by 10 relatively small organisations mainly concerned with the computer technology and the then mysteries of programming. Today IFIP's Member Societies have over 700,000 individuals in membership. Several societies have staff counted in the hundreds and annual budgets measured in multi-millions of dollars or euros.

In 1960 there was very little understanding of what an ICT practitioner would be, even less about the skills they would need and the impact of ICT upon the global economy. The impact of online systems and, more recently, the internet and e-commerce have brought citizens worldwide into direct contact with the computer in a way that the founders would have found hard to imagine. Many modern cars have more computer power than a 1960s mainframe. In parallel with the spread of ICT has come the need to establish and maintain ethical and regulatory frameworks.

ICT developments have given rise to major changes in almost every area of life. With the rapid technical advances, effective deployment of ICT requires an improved understanding of their impact. As IFIP Technical Committees and Working Groups work at the "leading edge of Information Technology", IFIP expertise on technical aspects, learning and social impact should be made available to all interested parties, from enterprises to governments and individuals.

ICT is a global technology. IFIP as a global body is uniquely placed to address global institutions such as the United Nations and World Trade Organisation. ICT is a key technology for less developed countries.

IFIP remains strong in its traditional areas of the scientific underpinnings and engineering practice but in areas relating to the practitioner and the user and to the ICT environment, IFIP is less active although they are the subject of important work programmes by many Member Societies.

IFIP will shortly issue a report of the meetings discussions. This will review IFIP's role in the contemporary ICT environment and will highlight a number of opportunities and questions. The challenge for us all will be to respond creatively to the invitation to address the issues to prepare IFIP for its second half century.

The 19th IFIP World Computer Congress 2006 will take place in Santiago de Chile, locally organized by the Chilean Computer Science Society (SCCC – www.sccc.cl) with the official support of the Convention Bureau Tourism Promotion Corporation, Metropolitan Regional Council, National Tourism Board, National Council of Science and Technology-CONICYT, Ministery of Education, and others.

One of the goals of the International Federation for Information Processing (IFIP – www.ifip.org) is to strengthen relationships between researchers and industry representatives in the vast field of Information Technology (IT). Accordingly, the International Program Committee (IPC) plans to structure a strong and interesting program with special focus on IT industry needs and Transfer Technology.

**Paper submission**: Papers presenting original research in specific conferences of WCC are being sought. A full paper written in English should be sent before **January 15, 2006**. The instructions for preparing the papers can be downloaded from ftp://ftp.springer.de/pub/tex/latex/ifip/, or in Word from: http://www.springer.com/sgw/cda/frontpage/0,11855,4-40109-69-33108713-0,00.html. Proceedings of IFIP WCC 2006 will be published by *Springer Science and Business Media* (SSBM). More information can be found in http://www.wcc-2006.org.

All submitted papers should follow the appropriate format for its later publication, if accepted, in the WCC proceedings.

Authors will be notified of acceptance or rejection via e-mail by **March 15, 2006**. Full versions of accepted papers (camera-ready) must be written in English, and will be due by **April 7, 2006**.

WCC 2006 will be organized as a set of parallel co-located international conferences sponsored by different IFIP TC (Technical Committees). So far the following are committed to WCC 2006:

**AD-HOC**: 1st IFIP International Conference on Ad-Hoc Networking

**AI**: IFIP International Conference on Artificial Intelligence in Theory and Practice

**BICC**: 1st IFIP International Conference on Biologically Inspired Collaborative Computing

**HCE2**: 2nd IFIP International Conference on the History of Computing and Education

**MWCN**: 8th IFIP/IEEE International Conference on Mobile and Wireless Communications Networks

**NETCON**: 5th IFIP Int. Conference on Network Control & Engineering for QoS, Security and Mobility

**TC3**: International Conference on Education for the 21st Century – Impact of ICT and Digital Resources

**TC8:** International Conference on "The past and future of Information Systems: 1976-2006 and beyond"

**TCS**: 4th International Conference on Theoretical Computer Science

**WCC** 2006 Security Stream

**This WCC will be the first one to be hosted by a latinamerican country.**

Chile is 4.300 km long and 177 km wide with approximately 15 millions inhabitants. The capital, Santiago de Chile, is connected to the world by many airlines offering regular flights. Santiago lies at the foot of the highest segment of the Andes, with peaks that remain snow capped even during the hottest summer months. Covering an area of 15,500 sq km, it is home to over 5.5 million people. There are over 7.000 four and five stars hotel rooms in Santiago. The climate in Santiago is of a temperate-semiarid sort, with well-marked seasons, perfectly dry summers, moderately rainy winters, polychrome springs and rust-colored autumns. Winter highs over around 15° C, lows around 3°C, but may climb to 20°C.

About 1.5 hours to the west are the Pacific coast resorts and the coastal cities of Viña del Mar, Valparaíso, declared UNESCO world heritage site, and Pablo Neruda's house in Isla Negra. A number of vineyards -one of them inside the city limits- offer tours to visitors, who can not only taste some of their famed wines, but also enjoy the view of their old, well-tended parks. Some experiences in Santiago are: cultural tour of the city, riding the rapids – rafting trip to Maipo canyon, Andean highlights – nature walks, condor spotting. Some interesting places to visit in Chile are: Atacama Desert (the driest in the world), Northern coast, Easter Island, Thermal spring resort, southern lake district (fly fishing), northern Patagonian cruise, Glaciars and Torres del Paine National Park.

# *IFIP VLSI-SOC 2005 Conference In Perth Western Australia*

From October, 17th to 19th, some 104 professionals from all over the world gathered in Perth, for the thirtieth edition of the IFIP VLSI-SOC 2005 Conference.

The Conference was organised and chaired by **Professor Adam Osseiran**. The conference on Very Large System Integration and System-on-Chip received a large number of submissions out of which fifty eight papers were selected as full papers. A number of papers were also presented as posters. Three excellent keynotes were given during the three days of the Conference. The Keynote was given by Dr Chris Nicol, Managing Director of Agere Australia who presented the state-of-the-art of wireless communications. Dr Jay Yantchev, Managing Director of Freescale Semiconductor Australia presented the SoC Design across the Globe for High Performance Networking Product Solutions. Finally, the third keynote was given by Dr Janusz Rajski from Mentor Graphics Corporation USA, and was on Design for Manufacturing and Design for Test in the Era of Increasing Uncertainty. The conference committee also invited three eminent speakers from academia to present their research. Professor Paul Franzon from the University of North Carolina; Professor Andrzej Materka from the University of Lodz in Poland and Professor Neil Bergman from Queensland University.

A PhD Forum was also organised where 6 PhD students were invited to participate in a competition where the participants voted for the best contribution. The winners of the PhD Forum competition were Markus Koester from the University of Paderborn in Germany and Renato Hentscke from the Universidade Federal do Rio Grande do Sul in Brazil. The prize, sponsored by IFIP, that Markus and Renato have won is their airfare refund.

The second IFIP EduTech Workshop took place in the same hotel after the VLSI-SOC conference. This workshop deals with all the aspects of education in the field of technology.

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# *The 11th Information Processing and Management of Uncertainty International Conference (IPMU 2006)*

The IPMU Conference is organized every two years with the focus of bringing together scientists working on methods for the management of uncertainty and aggregation of information in intelligent systems. This conference provides a medium for the exchange of ideas between theoreticians and practitioners in these and related areas.

*Date:* July 2-7, 2006, *Location:* Paris, France

*Honorary President :*
Lotfi A. Zadeh*, University of California, Berkeley, USA*

*Co-presidents :*
**Bernadette Bouchon-Meunier**, *CNRS-LIP6, Université Pierre et Marie Curie, Paris 6, France*
**Ronald R. Yager**, *Machine Intelligence Institute, IONA College, USA*

*URL:* http://ipmu2006.lip6.fr

*Email:* ipmu2006.secretariat@poleia.lip6.fr

*Fax:* +33 1 45 75 08 90

# Successful SEARCC 2005 Ends with Calls by ACS for Concerted National Focus to Develop ICT

The ACS (Australian Computer Society) has called for greater cooperation and a concerted national focus on developing the ICT sector in Australia. Speaking at the closing of the South East Asian Regional Computer Confederation 2005 Conference (SEARCC 2005) hosted by the ACS between 28-30 Sept in Sydney.

*Kumar Parakala, Dr. R M Mohammed*

"There is a clear need for enhanced professional practices, more proactive skill development and a concerted international marketing effort to sell Australian ICT services in the global marketplace," said Conference Chairman Mr Kumar Parakala. The spirited panel discussion with the State Ministers of NSW, SA and Tas included attacks on the Federal Government's lack of support for universities, support for a more pro-active role by governments in developing and attracting skills, and recognition of the need for more cooperation in promoting the Australian ICT industry internationally

SEARCC 2005 attracted more than 500 delegates from 18 countries, including almost 70 local and international speakers, including Prof Brunnstein, IFIP President. Their topics spanned management and leadership in the technology sector, governance, innovation, project management, logistics, research and development and data security, in addition to discussions of specific technologies. The program also included a software development competition for high school students that attracted teams from Australia, Sri Lanka, New Zealand and Hong Kong. The competition was won by the New Zealand team while Australia was runner up.

The conference concluded with the formal handover of the SEARCC presidency from Dr. Raja Malik of Malaysia to Australian Richard Hogg, Past President of the ACS. He will head up the regional body until the next SEARCC conference to be held on 8-10 Sept., 2006 in Sri Lanka with details at www.cssl.lk.

## Chris Avram Calls for IFIP WG Conference Organisers to run events in Australia

When it comes to staging IFIP working group and technical committee conference, Australia is an attractive destination. There is very strong representation on many working groups, an attractive range of venues and a national society ready to provide support with publicity.

Newly elected IFIP Council Trustee, Chris Avram from Monash University in Australia calls for IFIP WG Conference Organisers to consider running events in Australia. "Australia always supports IFIP 's technical committees and working groups in areas as diverse as computer science, education, artificial intelligence and information security. The ACS (Australian Computer Society) works well with local and overseas IT academic and research institutions and publishes Journal (JRPIT) and Conference Series (CRPIT) of Research and Practice in IT. We would like to encourage more WG conference organisers to consider running events in Australia," said Mr Avram.

The ACS sponsors three major annual IT academic events. We support a multi conference in computer science, a focused conference in software engineering, and an AIS co-sponsored event in information systems. The ACS has event sponsorship and endorsement guidelines for conference organizers at http://www.acs.org.au/pd/sponsorship.htm. We hope this will attract community/financial support of staging events in Australia and promote and attract participants to the sponsored and endorsed events.

Contact chris.avaram@infotech.moash.edu.au for further details.

## *Professionalism via Professional Standards Scheme*

On January 1, 2000, the ACS (Australian Computer Society) became the first IT body to be admitted to a national Council of Professions in its own right. Since then, the ACS has continued to promote higher levels of professionalism.

*Philip Argy (ACS President)*

Being able to differentiate professionals from within the ranks of ICT workers will significantly lift the standard and standing of our profession. The ACS wants the community to think of ICT professionals in the same way they think of doctors, lawyers and accountants – and to look at their credentials, in the same way as people would check the credentials of any other professional before deciding on who best to hire.

The ACS moved a step closer to achieving this goal during 2005 with our submission to the Australian Professional Standards Council to register a scheme under the Professional Standards Act which will serve to limit the liability of ICT professionals. Members who subscribe to the scheme will be registered as Certified Computer Professionals and will be eligible to add CCP to their existing post nominal. The ACS will maintain and publish a register of Certified Computing Professionals.

The ACS application is expected to be considered by the Professional Standards Council within the next 12 months. Government and ICT industry sector has warmly welcomed the ACS proposal as a means of reducing risk and insurance premiums.

The newly elected ACS President 2006-07, Philip Argy points out that professionalism is a legitimate project and corporate risk mitigation strategy. Details can be downloaded at www.acs.org.au

## *Policies with Legs*

In a recent online poll of ACS (Australian Computer Society) members, an overwhelming 97.6% supported the development of ICT policies for Australia and aggressively lobby government.

*Dennis Furini (ACS Chief Executive)*

To help the ACS develop "policies with legs", the Society obtained assistance from industry leaders, ACS members, expert opinions and contracted research firms to help translate our issues into a language and economic analysis that governments understand.

The following public policies have been released over the past eighteen months:

Offshoring

Computer Literacy

Open Source Software

Mobile Camera Phones

Internet Use

Software Quality Accreditation

Broadband Access For Australians

Work Life

Migration

Onshoring

These policy-development and lobbying efforts have opened new doors to the ACS, providing opportunities to strengthen ties with government, improve relevance to business and the wider community, and to influence public opinions on issues relating to ICT.

Further details of ACS policies can be downloaded at www.acs.org.au

# *Collaborative Networks and Value Creation*

***- A summary of PRO-VE'05 -***

Collaborative Networks (CN) correspond to a very active and steadily growing area. For instance, Virtual enterprises / virtual organizations (VE/VO) are already supported by a large research and business practice community. Also, Professional Virtual Communities (PVC) suggest new ways of work and put the emphasis on collaborative networks of human actors. Further to these main lines, other collaborative forms and patterns of collaborative behavior are emerging, not only in industry, but also in service sector, as well as governmental and non-government social organizations, e.g. the collaborative networks for rescue tasks in disaster situations, time bank organization, etc. The concept of *virtual organizations breeding environment* is now understood as a fundamental entity to enable dynamic collaborative organizations.

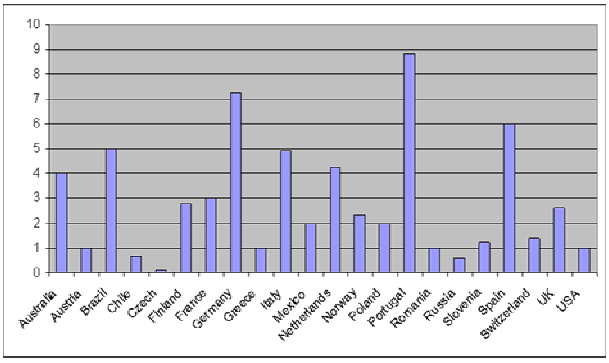
Recent developments emphasize the need for better understanding and characterization of the basic principles and mechanisms for collaborative networks planning and operation. It is urgent to build a sounder foundation, namely in terms of proper theoretical principles and formal models capturing the concepts, entities, behavior, and operations of the CNs, and technology-independent infrastructure architectures. More holistic approaches are urgently needed.

Understanding and being able to measure the benefits of collaboration is a current challenge. New value systems and adequate performance assessment methods are needed in order to support value creation through collaborative networks.

In this context the PRO-VE series of conferences, organized by the WG5.5, has already established its recognized position as the most focused scientific / technical conference in the area, offering a major opportunity for the presentation and discussion of both the latest research developments and industrial practice case studies.

PRO-VE'05 was organized in Valencia, Spain, on 27-29 Sep 05. This conference continued a series of successful conferences of PRO-VE'99 (held in Porto, Portugal), PRO-VE 2000 (held in Florianópolis, Brazil), PRO-VE'02 (held in Sesimbra, Portugal), PRO-VE'03 (held in Lugano, Switzerland), and PRO-VE'04 (held in Toulouse, France).

This edition included 20 technical sessions, comprising a total of 63 papers selected by the International Program Committee and involving 163 authors from 22 countries.




Some important highlights from the technical sessions include:

- The recognition of important pillars in CNs: VO Breeding Environments (VBE), Virtual Organizations, and Professional Virtual Communities. A 4th pillar is gaining relevance: networks of sensors, machines / robots, intelligent agents.
- There is a clear recognition by the CNs community of the importance of the VBE concept in the formation of dynamic VOs.
- Good progress on the clarification of the parallelism and synergy between networks of organizations and networks of people.
- Recognition of the importance of combining top-down (planned) approaches with bottom up (self-organizing) approaches.
- Increased emphasis on the performance measurement and (network-oriented) indicators as well as the need for supporting sound theoretical models.
- The major need for flexibility when designing approaches and systems for SMEs.
- A trend to combine practical realizations with a sounder theoretical foundation. The awareness for the importance of developing and adopting sounder theoretical models seems to be increasing and papers that reached a good balance of theory and experimentation raised large interest.
- Emphasis on flexible multi-criteria decision making (in various areas, e.g. partners selection, competencies management).
- The importance of reference models and frameworks to guide R&D as well as dissemination.

Another relevant component of PRO-VE'05 was a panel on "Challenges on promoting business collaboration". The panel, together with the conference participants, provided a rich period of discussion, with a diversity of positions and perspectives, often quite opposite, which shows that there is a strong need for investing more on the understanding of the fundamental mechanisms of collaboration.

Proceedings of the conference were published as a book – "Collaborative Networks and their Breeding Environments" – by Springer.

PRO-VE'06 will be organized in Helsinki, Finland, in September 2006.

Further information: www.pro-ve.org
Prof. Luis M. Camarinha-Matos
New University of Lisbon, Portugal
WG5.5 Chairman

# *Importance of Research on Lean Systems Lean Business System and Beyond*

*(APMS 2006 Conference of IFIP WG 5.7)*

Lean Manufacturing has proved to be one of the most successful and most powerful production business systems over the last decades. Its application enabled many companies to make a big leap towards better utilization of resources and thus provide better service to the customers through faster response, higher quality and lowered costs.

Lean is often described as "eyes for flow and eyes for muda" philosophy. It simply means that value is created only when all the resources flow through the system. If the flow is stopped no value but only costs and time are added, which is muda (Jap. waste).

Since the philosophy was born at the Toyota many solutions were tailored for the high volume environment. But in turbulent, fast-changing market environment and progressing globalization, customers tend to require more customization, lower volumes and higher variety at much less cost and of better quality. This calls for adaptation of existing lean techniques and exploration of the new waste-free solutions that go far beyond manufacturing.

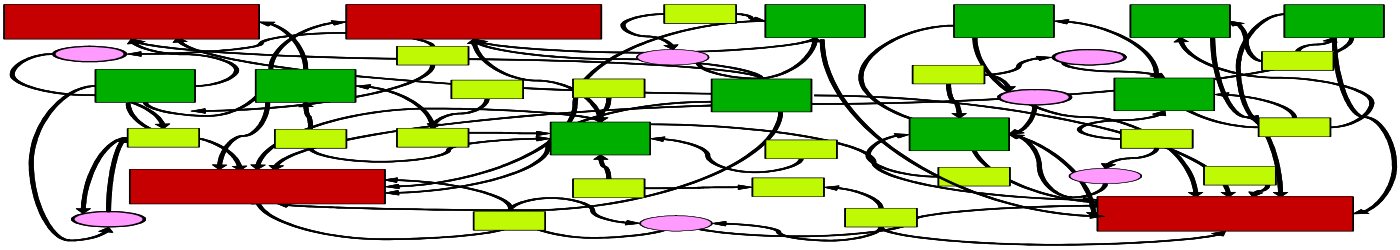
To respond to those emerging needs IFIP WG 5.7 organizes its Adavanced Production Management Systems 2006 Conference: **Lean Business System and Beyond**. The goal is to present new approaches for optimization and improvement across entire value chain (supply, production, distribution, sales), and across company functions (administration, product development, logistics, accounting, HR etc.). Apart from solutions for manufacturing and supply chains (high mix, low volume production and supply, information processing, scheduling, etc), some substantial attention will be paid to two important aspects: (1) *Bridging production process with sales and distribution* and (2) *Improving service and office processes*. These are new but very promising areas of lean application. Their improvement can lead to providing more value to the customers while using less effort and thus effectively boosting competitive advantage.

The conference will be held in Wroclaw, Poland on September, 18-20, 2006.

Your presence is more than welcomed.

Looking forward to seeing you in Wroclaw,

http://www.lean-ifip2006.org



APMS'2006 Conference of IFIP WG 5.7: Lean Business System and Beyond will try to find answer to the question how to move forward from "Spaghetti World" of supply, production, distribution, sales, administration, product development, logistics, accounting, etc.

## *New book launched by the IFIP Working Group on Social Accountability*

***The Information Society: Emerging Landscapes***

**Proceedings of a Conference on Landscapes of ICT and Social Accountability, held in Turku, Finland, 27-29 June 2005**

***Edited by Chris Zielinski, Penny Duquenoy and Kai Kimppa***

Order online at http://www.springer.com Price: : Euros 128.00 or US$149.00

In 1990, members of IFIP Working Group 9.2 were instrumental in producing one of the first books to describe the 'Landscape' of the new phenomena created by the uptake of computerization – the so-called Information Society. Ten years on, at the annual Namur meeting of its Working Group in January 2000, a proposal was made to produce a second book and the brainstorming began. In the time that had passed, the developments in computer technology had brought the Internet within reach of ordinary citizens, and the World Wide Web had spawned a new 'e-industry'. The landscape of the information society had changed dramatically, and it continues to change at a breathtaking pace.

This book is the result of those discussions, and the culmination of the "Landscapes" Conference held at Turku University, Finland, in July 2005. The themes chosen for the conference – philosophy, ethics and sociological aspects, culture and education; social aspects; politics and regulation; economics and work; technology and emerging technologies – represent many of the perspectives from which to view this landscape. The papers illustrate the diverse impacts of the information society and the changing paradigms within education, law, health care, the workplace and on future societal infrastructures through research initiatives and the development of new technologies. In this book, IFIP WG9.2 has attempted to capture the new 'emerging landscape' of the Information Society.

## *WG 9.7 Sponsor of Multiple History Events*

Working Group 9.7 on the "History of Computing" has sponsored several computing history events over the past few years and it is planning some exciting conferences for 2006. In June of 2003, WG 9.7 sponsored the First Conference on the "History of Nordic Computing" (HiNC1) in Trondheim, Norway. At WCC 2004 in Toulouse, France, WG 9.7 sponsored, in cooperation with TC3, the first of a series of conferences on History of Computing and Education (HCE1). More recently at WCCE 2005 in Cape Town, South Africa, WG 9.7 sponsored a successful history track.

Three pending events in 2006 sponsored by WG 9.7 include a conference on "Perspectives on Soviet and Russian Computing", the second conference on "History of Computing and Education" (HCE2), and a "Pioneering Software of the 1960s" conference. The Soviet conference (SoRuCom), promises to be a stimulating two-phase experience focusing on the "History of Soviet and Russian Computing" and the "Future of Computing in the Region". SoRuCom will take place 3-7 July 2006 in Petrozavodsk, Russia. HCE2 will again be a co-located conference; it will take place at WCC 2006 in Santiago, Chile, in the latter part of August. The pioneering software conference will occur in Amsterdam, Netherlands, in early November of 2006.

Future events under consideration by WG 9.7 include HiNC2, HCE3, and other promising experiences. For further information regarding the activities of WG 9.7, please consult the WG 9.7 website at <www.CompHist.org> or the IFIP website at <www.ifip.org>. Remember the adage: Those who ignore history might be doomed to repeat it. So, put a little more history in your life and encourage a colleague to consider the past as a part of the things they will do.

## IFIP International Conference

## Perspectives on Soviet and Russian Computing

Petrozavodsk, Karelia, Russia
2006 July 3-7

ome to rural Russia!!

articipate!

art 1: History of Soviet and Russian Computing

art 2: The Future of Computing in the Region

or more information please consult http://sorucom.karelia.ru

## Международная конференция под эгидой IFIP

## Развитие вычислительной техники в России и странах бывшего СССР: история и перспективы

Петрозаводск, Карелия, Россия
3-7 июля 2006 г.

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## For your diary – forthcoming IFIP events

| EVENT | ACRONYM | Date / Location |
|---|---|---|
| 3rd IFIP TC2 Summer School on Software Technology and Engineering http://polelo.cs.up.ac.za/ISS2006 | **ISS2006** | **15-20.01.2006** Gordon's Bay, ZA |
| IPAS'2006 The 3rd International Precision Assembly Seminar | **IPAS'2006** | **19-22.02.2006** Bad Hofgastein, AT |
| 19th International Conference on Architecture of Computing Systems | **ARCS'06** | **13-16.03.2006** Frankfurt/Main, DE |
| 4th International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks | **WiOpt** | **03-07.04.2006** Boston, USA |
| CARDIS'2006 - 7th Smart Card Research and Advanced Application Conference | **CARDIS'2006** | **19-21.04.2006** Tarragona, ES |
| 12th IFAC Symposium on Information Control Problems in Manufacturing http://www.emse.fr/incom2006/ | **INCOM'2006** | **17-19.05.2006** St. Etienne, FR |
| 21st IFIP International Information Security Conference "Security & Privacy in Dynamic Environments" http://www.sec2006.org | **SEC' 2006** | **22-24.05.2006** Karlstad, SE |
| VEAM IFIP WG7.6 Workshop on Virtual Environments for Advanced Modeling | **VEAM** | **06.-07.06.2006** |
| 3rd. IFIP Conference on Artificial Intelligence Applications & Innovations | **AIAI 2006** | **07-09.06.2006** Athens, GR |
| Intl. IFIP TC5 Conference - PROLAMAT 2006 "Knowledge Enterprise - New Challenge" http://prolamat.shu.edu.cn | **PROLAMAT 2006** | **15-17.06.2006** Shanghai, CN |
| The Intl. Conference on Dependable Systems and Networks | **DSN 2006** | **25-28.06.2006** Philadelphia, USA |
| Perspectives on Soviet and Russian Computing http://sorucom.karelia.ru | **SoRuCom** | **03-07.07.2006** Petrozavodsk, RU |
| IFIP WG8.2 Working Conf. - Social Inclusion: Societal & Org. Implications for Inform. Systems http://www.ifip82-2006.ul.ie | | **12-15.07.2006** Limerick, IE |
| Grid-based Problem Solving Environments: Implications for Development and Deployment of Numerical Software http://www.woco9.org | | **17-21.07.2006** Prescott, AZ, US |
| Working Group Conference "Knowledge Management for Educational Innovation" http://www-item2006.ai.is.uec.ac.jp/ | **ITEM 2006** | **23-26.07.2006** Hamamatsu, JP |
| International Conference on Safety, Reliability and Security http://kio.pg.gda.pl/safecomp2006/ | **SAFECOMP'2006** | **26-29.09.2006** Gdansk, PL |