ifip News
the leading edge of information technology

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IFIP WITFOR 2007

World Information Technology Forum
August 22nd to August 24th 2007
Addis Ababa, Ethiopia

ICT for development and prosperity

Following the editions of 2003 and 2005, WITFOR 2007 is the next step in reaching the goal of assisting developing countries to implement sustainable strategies for the applications of IT and to start projects that help to bridge the digital divide and improve the quality of life.

Objectives

To find ways of utilising ICT for accelerated development in line with the UN Millennium Development Goals and the WSIS Plan of Action;

To pay special attention to the needs of developing countries and to assist them in accelerating development through the application of ICT

Expected outcome

The Forum will identify strategies / policies and projects / project guidelines, that may be implemented at national level or through regional or international partnerships.

Eight commissions

- Agriculture
- Building the infrastructure
- Economic opportunity
- Education
- Empowerment and participation
- Environment
- Health
- Social, ethical and legal aspects

More information at http://www.witfor.org

The conference will take place at the UN ECA Conference Center.

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New Chairman TC6 (Communications Systems)

Guy Leduc is professor at the University of Liège (ULg) since 1997 and the head of the Research Unit in Networking (RUN). He graduated as an electrical (electronics) engineer in 1983, and got his doctorate in computer science in 1991, both from ULg. Before 1997, he was a Senior Research Associate of the Belgian National Fund for Scientific Research (F.N.R.S.). He is also part-time professor at the University of Brussels (ULB).

His current main research area is on computer networks, and more specifically on traffic engineering, mobile communication, congestion control, multicast and autonomic networks. He is currently involved in the TOTEM project on "A Toolbox of Traffic Engineering Methods", the Belgian Inter-University Attraction Pole on Mobile Multimedia Networks and Systems (MOTION), the ANA European project on "Autonomic Network Architecture", and was a partner in the E-NEXT European network of excellence.

He is also known for his research on formal languages and methods applicable to the software engineering of computer networks and distributed systems. His research work was based on the ISO formal language LOTOS. He is one of the main designers of the ISO E-LOTOS language, and in particular of its formal timed semantics. Besides basic research he has been involved in several projects where LOTOS was used in system design, e.g. for the verification of security protocols.

He was the chairman of IFIP TC6/WG6.1 from 1998 to 2004. He is a member of the editorial advisory board of the Elsevier Computer Communications journal, and has been a programme and/or steering committee member of many conferences such as IEEE INFOCOM, ACM Co-Next, IFIP Networking, ITC, IFIP Autonomic Networking, IEEE/IFIP IWQoS, ACM/IFIP Middleware, NGC, IDMS/MIPS, IFIP PSTV/FORTE, IFIP TESTCOM, IFIP PfHSN, IFIP IWAN, etc. He has published more than 80 papers in peer reviewed journals, conference proceedings, or as book chapters.

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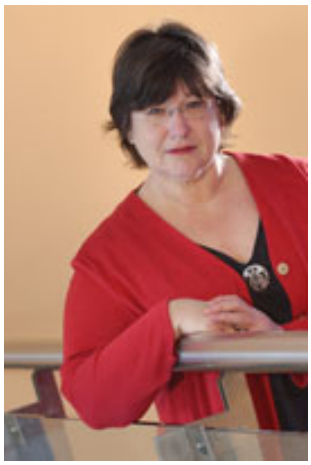
Changes at Education and Information Technologies (EAIT)

Education and Information Technologies is the Official Journal of IFIP TC3 – Education

by Ian Selwood (Editor-in-Chief)



Deryn Watson has unfortunately decided to retire from the role of Editor-in-Chief of EAIT after ten years. Deryn became joint editor of the journal as volume two was published and Editor-in-Chief in 1998 as volume three was completed. During the time she has been editor, the journal has grown in quality and readership. As an indication of Darien's success EAIT was accepted in Educational Research Abstracts in September 2006, and is now listed in Communication Abstracts, Computer Literature Index, Educational Research Abstracts Online (ERA), Higher Education Abstracts, Inspec, MathDi and SCOPUS. She will be a hard act to follow and I'm sure all our readers are grateful to her. Deryn remains a member of the Editorial Board.

Thanks also go to John Olson who is retiring as Associate Editor, and the following editorial board members who are all retiring from the Editorial Board - Peter Bollerslev, Larry Miller, Betty Collis and Holly Jobe.

A brief introduction to myself is probably in order. I am currently a Senior Lecturer in ICT in Education in the School of Education at the University of Birmingham. I have worked in the field of ICT since the early 70s, initially as head of Computer Studies in a secondary school, followed by six years as an advisory teacher for IT. My editorial experience goes back to my undergraduate studies when I was editor of his college newspaper. Between 1991 and 2001 I was Executive Editor of Computer Education. I was a founding member of the editorial board of Education and Information Technologies and I am currently on the editorial board of two other international academic journals.

With respect to IFIP I've been a member of IFIP since 1996 when I was a founding member of TC3 WG3.7 - IT in Educational Management, and I am currently vice-chair of this group. My research interests are mainly concerned with the use of ICT to support Educational Administration and Management, and the Management of ICT in Schools. My publications reflect these areas of interest but also include other educational applications of ICT. Recent research projects include contributions to the 'Transforming the School Workforce Evaluation', 'ICT Testbed baseline study', 'Impact of Broadband on Schools' and research into the use of Tablet PCs. Currently I am involved in research concerned with ICT and School Improvement, and ICT and Personalised Learning.

As the new Editor-in-Chief, I would like to welcome Arthur Tatnall (Australia) as Associate Editor, and Helen Drenoyianni (Greece), Kwok-Wing Lai (NZ), Yaacov Katz (Israel), and Peter Twining (UK) to the Editorial Board.

The changes do not herald a great change in direction, rather the evolution that has been happening over the years will continue, and consolidates the determination that the journal will continue to develop as a key international voice in the field of education and information technologies. As the new Editor-in-Chief I am determined to maintain and expand the international standing of EAIT by working with Springer (the publishers) the Editorial Board and the team of reviewers (to whom I am very grateful) to carefully select on merit, papers for publication. The journal will remain a platform for a range of debates and issues that are current in the field of Education and Information Technologies. However, changes have occurred in the past year with all submissions to the journal being made electronically and reviews being undertaken online. Accepted papers are now initially published online at Springerlink "online first" and then published in hardcopy four times per year.

As to the future, I am working with the publisher to make the journal a more attractive candidate for entry into the ISI citation index. This initiative will begin with a focus on the journal's most highly-cited authors and concepts. The publisher is also looking to get EAIT acceptance in the citation index ERIC, a regarded education abstracting and indexing database.

IFIP Agora Initiative on Lifelong Learning

Now that we are moving from an informatics society to an information or knowledge society we see transversal themes emerging, that are not just technology based. Examples are Lifelong learning (LLL), Security and Trust, Ethics and Citizen Education. The IFIP Agora initiative on Lifelong Learning is part of a process of revitalisation of the strategy of IFIP. It and aims to implement a dynamic methodology for initiating cooperation projects with stakeholders such as UNESCO, UNITAR, the Digital Solidarity Fund and other IFIP Technical committees. The methodology takes into account that there is not one solution to Lifelong Learning and also that a lot of preliminary work still has to be done on issues such as reference competencies for LLL, e-portfolio and competency recognition, before effective implementation of LLL can be made a reality.

The first Agora planning meeting took place at CNED, Poitiers in France, 26-27 October 2006 with IFIP President Klaus Brunnstein, IFIP President and IFIP Vice-President Dong Yoon Kim among its participants. Agora planning meetings provide a forum for:

- Sharing knowledge,
- Facilitating networking of stakeholders and developing synergy,
- Outlining cooperative projects to address the issues in the framework of main international programmes,

Defining a work process for continued planning and cooperation.

The following topics were identified as suitable for Lifelong Learning transversal projects:

ICT professionals as lifelong learners

Workforce flexibility

Community managed data base (ICT support for a LLL community)

Re-engineering (educational) systems to transformation

LLL of student-professionals in higher education

IFIP as a LLL community (the IFIP AGORA project)

Digital Solidarity

The projects are to produce pearls in practice areas (so-called Studios) and are to use research and evaluation of practice (design research in Ateliers) supporting knowledge networks. In all projects four dimensions are (at the least) to be discerned: competences needed, educational concepts, technology, social impact. The AGORA initiative should be the IFIP Atelier for turning IFIP into a Lifelong Learning community.

It was decided to work out three example project proposals: digital solidarity (crossing the digital divide); an IFIPWIKI as demonstration within IFIP; IFIP School on Lifelong Learning (in connection with WITFOR). Results of this first Agora Planning meeting are reported to IFIP:

a. In a written report to Council and General Assembly members.

b. In the Technical Assembly by Jan Wibe (Chair TC3)

In the Council Meeting by Jan Wibe (Chair TC3) and Raymond Morel (IFIP Trustee)

The example projects are to be presented to the IFIP Council before the council meeting in March 2007. The next Agora planning meeting is in May or June 2007 in Seoul, South-Korea. Milestones of the example projects will be presented there.

For more information on the Agora Initiative you may contact the Chair of the core group, Jan Wibe at: jan.wibe@plu.ntnu.no

Nordic Community to Hold History Conference

The Second Conference on the History of Nordic Computing (HiNC2) will take place in Turku, Finland, 21-23 August 2007. This event is a sequel to the First Conference on the History of Nordic Computing (HiNC1) that was held in Trondheim in 2003 that focused on the early years of computing - the years from the 1940s through the 1960s. While developing hardware was a necessity for the first professionals, quite soon the computer became an industrial product. Computer scientists as well as others grew increasingly interested in programming and application software. For the specialists in these new areas, development from the 1960s to the 1980s was unbelievable.

As with HiNC1, the forthcoming HiNC2 conference is intended both for those who experienced those past years in the field and for scholars who study those historical times in various disciplines. The conference concentrates on the period from the sixties to the eighties, but does not limit any other part of history. For example, papers from the nineties with relation to the past years are welcome.

The International Program Committee awaits suggestions and contributions in the following areas:

Submitted papers of computing in the Nordic countries.

Any other suggestions such as panel debates to make for this an interesting and stimulating conference.

Important dates

1 December, 2006	Deadline for contributions (extended abstracts) and suggestions
2 January, 2007	Notification of acceptance
2 April, 2007	Final draft papers due
4 June, 2007	Program finalized and distributed
1 October, 2007	Final papers and discussions due

For more information and updates, see the HiNC2 webpage at http://hinc2.utu.fi/

News from the Secretariat

„Paperless Meeting System“

At all IFIP meetings especially Council and General Assembly the folders containing the documentation for the participants are assembled with great effort. These folders are used during the meetings, but are often discarded afterwards, because all the reports are put on the IFIP website. In order to reduce the production of these paper folders the following system has been installed:

- on the laptop of Eduard Dundler (Head of Secretariat) a DHCP- and a FTP- server has been set up,
- all documents are loaded into a specific folder,
- every participant at the meetings has access to this „server“ over wireless LAN through their laptop during the meeting. Reports can be downloaded and also uploaded.

A successful trial took place at the Executive Board meeting. The system will be provided at Council 2007 in London for a trial run (hardcopy folders will be available as backup).

We hope to reduce the paperwork significantly, reduce damage to the environment and move towards a „real paperless Meeting“.

PRO-VE'06: "Collaborative Networks in action"

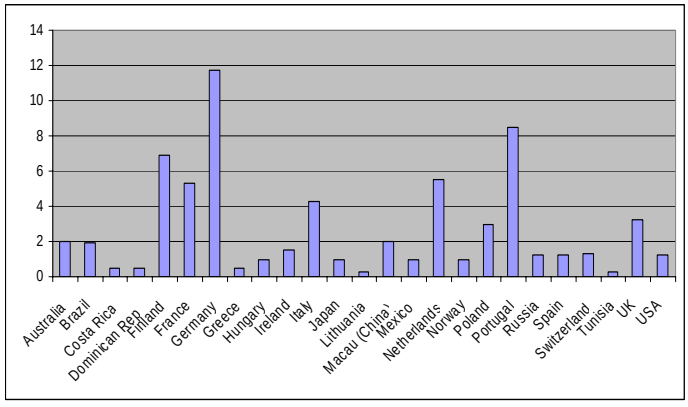
Collaborative Networks (CN) correspond to a very active and steadily growing area. For instance, Virtual enterprises / virtual organizations (VE/VO) are already supported by a large research and business practice community. Also, Professional Virtual Communities (PVC) suggest new ways of work and put 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 *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 PRO-VE 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. Following the IFIP vision, PRO-VE offers a forum for collaboration among different regions of the world.

PRO-VE'06 was organized in Helsinki, Finland, on 25-27 Sep 06. This conference continues 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), PRO-VE'05 (Valencia, Spain).

The 2006 edition included 20 technical sessions, comprising a total of 68 papers selected by the International Program Committee and involving 146 authors from 25 countries (acceptance rate of 47%). This year there was an increase of 30% in the number of submissions.



Distribution of papers per country

Some important highlights from the technical sessions include:

- Modeling frameworks and models for collaborative networks.
- Networking and innovation.
- Value systems and performance indicators.
- Competency, trust, and risk management.

(Continued from page 6)

- Process and network management.
- ICT platforms for collaborations and e-services.
- Frameworks and platforms for professional virtual communities.
- Negotiation and virtual organization creation.
- Distributed information systems.
- Service oriented architectures.
- Cases of collaborative networks in industry and services.

Other relevant components of PRO-VE'06 were:

A panel on "Next generation ICT for Human and Enterprise Collaboration", involving panellists from industry and the European Commission.

A workshop on Model Morphism.

A workshop on Case studies of virtual organizations breeding environments.

A post-conference Summer School on Collaborative Networks organized by the European ECOLEAD project

Based on the discussions held during this event, the following challenges for the future research on collaborative networks were highlighted:

Elaboration of reference models and sounder theoretical foundation.

Exploitation of new approaches and models, e.g. self-organization, emergent behavior.

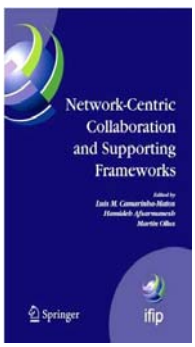
Value systems and definition of network-centric performance indicators.

Exploitation of soft computing approaches to capture uncertainty and the socio-anthropologic aspects in collaborative networks.

Development of pilot demonstration cases and organization of learned lessons.

Elaboration of a reference curriculum for academic education in the area.

"Make it easy", hiding the inherent complexity, in order to cope with the constraints of end-users, namely small and medium enterprises.



Proceedings of the conference were published as a book – "**Network-centric collaboration and supporting frameworks**" – by Springer.

PRO-VE'07 will be organized in Guimarães, Portugal, on 10-12 September 2007.

Further information: www.pro-ve.org

Prof. Luis M. Camarinha-Matos
New University of Lisbon, Portugal
WG5.5 Chairman

APMS 2007 – Advances in Production Management Systems

17-19 September 2007, Linköping, Sweden

(An event of the IFIP WG 5.7 on Integrated Production Management)

Theme: "Integrating Systems and Strategies in Production Management"

Key Areas of Focus

The conference welcomes contributions in the following and related areas:

- Linking systems and strategies: Operations strategy, ERP and SCP systems, Performance measurement
- Strategic operations management: Production networks, Integrating operations management with marketing and logistics, Integrating manufacturing and service operations
- IS/IT applications in the value chain: Coordination, Planning and control, Forecasting
- Modelling and Simulation: Enterprise modelling, Robust optimization, Discrete event simulation
- Improving operations: Lean, Agile, Other approaches
- Sustainable development: Remanufacturing, Product recovery, Reverse logistics

Important dates

31 January, 2007: Extended abstract submission
1 March, 2007: Notification of acceptance
1 June, 2007: Full and final papers submission
1 June, 2007: Early registration deadline (€550 before; €650 after)

Conference website and e-mail

www.ipe.liu.se/apms2007
apms2007@ipe.liu.se

Full Call for Papers

Please have a look at IFIP web site: http://www.ifip.org/Cfp/Call-for-Papers.htm

Conference Co-chairs

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Department of Production Economics
SE-58183 Linköping, SWEDEN

Welcome to Linköping in September 2007!

Joint IFIP-Conference
Informatics, Mathematics and ICT (IMICT2007): a 'golden triangle'

(Boston, 27th – 29th June 2007)

IFIP has a tradition of organizing exciting conferences which stimulate discussion, foster the exchange of ideas and knowledge, and generate more informed understanding of the issues of Informatics and ICT* in education. IMICT2007 will provide a forum for this in their mutual relation and especially in relation to mathematics, on primary and secondary level.

This working conference is organized by Working Groups 3.1 (secondary) and 3.5 (primary) at Northeastern University in Boston, USA, under the sponsorship of their College of Computer and Information Science that will be celebrating its 25th year in 2007.

The format of the conference gives room for inspirational keynote presentations, technical papers by participants, panel presentations, discussions and informal exchanges of ideas among all participants. We invite school and community practitioners, lecturers and researchers, advisers and policy makers. We also invite doctoral students, newly qualified teachers and young people to contribute their perspectives. Conference themes are in three categories: 'Using ICT for enhancing learning', 'Fundamentals of Informatics Education' and 'Mathematics teaching and learning'. Sub themes can be found at the website.

You can contribute by a Full Paper, describing research, novel didactical approaches, methods, tools, findings, related to one of the topics mentioned or to the overall conference theme (max 10 pages) or by a Short Paper, a 3 page-paper, a position paper, a case study, a policy paper, a national perspective etc.

Deadline for submission is **31st January of 2007**.

If you want more information and a personal invitation to attend the conference, please go to the website of I-MICT2007:

http://www.ccs.neu.edu/imict2007/Home.html

Pieter Hogenbirk, Marta Turcsanyi-Szabo, Viera K. Proulx

on behalf of the Program and Organization Committees

News of the IFIP family

Prof. Otto Spaniol, who is well now amongst Bulgarian IT specialists, received for his scientific achievements "Doctor Honoris Causa" from Bulgarian Academy of Sciences.

Prof. Reinhard Posch, the previous vice-chair of TC 11 from Austria, received the ID people award in the category ID Community Award, revealed on the evening of November 28th, during the fifth ID WORLD International Congress in Milan.

The ID People Awards are assigned each year to outstanding members of the ID Revolution community who have distinguished themselves in terms of commitment, leadership, creativity and innovation.

IFIP is very happy and proud to congratulate to this important award.

Some of forthcoming IFIP events. For a full list of events, please look at http://www.ifip.org

Intl. Conference on Tests and Proofs http://tap.ethz.ch	**TAP**	**12-14.2.2007** Zurich, CH
Architecture of Computing Systems http://arcs07.ethz.ch	**ARCS'07**	**12-15.3.2007** Zurich, CH
6th International Symposium on Software Composition http://ssel.vub.ac.be/sc2007	**SC 07**	**24-25.3.2007** Braga, PT
4th IFIP Summer School on Software Technology and Engineering http://polelo.cs.up.ac.za/ISS207	**ISS 2007**	**26-30.3.2007** Gordon's Bay, ZA
Interoperability for Enterprise Software and Applications Conference http://www.i-esa.org	**I-ESA'07**	**26-30.3.2007** Funchal, PT
HCI Educators 2007 http://www.bcs-hci.org.uk/hcied2007/index.php	**HCIEd 2007**	**29-30.3.2007** Aveiro, PT
5th Intl. Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks http://www.wiopt.org/	**WiOpt 2007**	**16-20.4.2007** Limassol, CY
IPM Intl. Symposium on Fundamentals of Software Engineering msirjani@cwi.nl	**FSEN 07**	**17-19.4.2007** Teheran, IR
New Technologies, Mobility and Security 2007 http://www.ntms2007.org	**NTMS'2007**	**30.4.-3.5.2007** Beirut, LB
5th Workshop on Software Technologies for Future Embedded and Ubiquitous Systems http://dblab.dankook.ac.kr/~seus2007	**SEUS 2007**	**7-8.5.2007** Santorini Islands, GR
16th International World Wide Web Conference http://www2007.org	**WWW 2007**	**8-12.5.2007** Banff, CA
Workshop in Information Security Theory and Practices 2007: Smart Cards, Mobile and Ubiquitous Computing Systems http://wistp2007.xlim.fr/	**WISTP 2007**	**9-11.5.2007** Heraklion, GR
22nd IFIP TC11 International Information Security Conf. http://www.sbs.co.za/ifipsec2007	**SEC 2007**	**14-16.5.2007** Johannesburg,ZA
2007 Next Generation Internet Networks 3rd Euro-NGI Conf. on Next Gen. Internet Netw. Design and Engineering for Heterogeneity http://www.q2s.ntnu.no/eurongi2007	**NGI 2007**	**21-23.5.2007** Trondheim, NO
10th IFIP/IEEE Symposium on Integrated Management http://www.im2007.org	**IM 2007**	**21-25.5.2007** Munich, DE
European Interactive TV Conference http://www.cwi.nl/events/2007/euroitv2007/	**EuroITV 2007**	**24-25.5.2007** Amsterdam, NL
9th Intl. Conf. on Social Implications of Computers in Developing Countries http://www.ifipwg94.org.br/		**28-30.5.2007** Sao Paulo, BR
International Embedded Systems Symposium http://www.iess.org	**IESS'07**	**29.5.-1.6.2007** Irvine, CA, USA
1st IEEE & IFIP Intl. Symposium on Theoretical Aspects of Software Eng. http://www.sei.ecnu.edu.cn/TASE2007/	**TASE 2007**	**6-8.6.2007** Shanghai, CN
15th Intl. Conference Systems Integration 2007 http://si.vse.cz	**SI 2007**	**10-12.6.2007** Prague, CZ
WG8.6 Conference: The Problematics of Techn. Innovation: Diversifying Theory, Methods and Contexts http://www.iris.salford.ac.uk/Conferences/ifip86		**14-16.6.2007** Salford, UK
Intl. Conference on Distributed Computing in Sensor Systems http://www.dcoss.org	**DCOSS'07**	**18-20.6.2007** Santa Fe, NM, USA
History of Nordic Computing 2 http://hinc2.utu.fi/	**HiNC2**	**21-23.8.2007** Turku, Aabo, FI
World Information Technology Forum 2007 http://www.witfor.org	**WITFOR 2007**	**22-24.8.2007** Addis Ababa, ET
PRO-VE 2007 - 8th IFIP Working Conference on Virtual Enterprises http://www.pro-ve.org/	**PRO-VE'07**	**10-12.9.2007** Guimarães, PT