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Welcome from the IFIP President

by Prof. Klaus Brunnstein

Welcome to the „new IFIP Newsletter“ which is deliberately published as 1st edition of a new version at IFIP World Computer Congress 2004 in Toulouse. Inspired by the “Spirit of Toulouse” (more correctly: “l’esprit de Toulouse”) which will guide you through the next days of this 18th World Computer Congress, you will find that IFIP is spirited by a new dynamic mood.

As a visible sign of IFIPs new dynamic self-understanding, you will observe that the new IFIP logo leads us from the world of (core) storage to the world of dynamic processes. We owe this design to Prof. Jean-Claude Laprie and his team at Toulouse, who are also our hosts at this IFIP World Computer Congress.

Related to developments of “The Information Society”, we as professional experts in areas of Informatics and Communication are aware of the importance of the technologies and methods which we assist to plan, design, implement and operate. At the same time, we are also aware of our responsibility to help shaping these technologies to support technical and economic developments as well as to enable human users to master the technical complexity and overcome errors often related to our technologies. One of IFIPs essential aims is to support United Nations organisations, esp. IFIPs cofounding “mother” UNESCO, with our technical expertise on their ways to develop a world-wide Information Society for the best of humanity. At the same time, IFIP wishes to support its member so-

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Welcome to WCC 2004, welcome to Toulouse!

by Dr. Jean-Claude Laprie and Prof. Reino Kurki-Suonio

The programme of this 18th edition of the IFIP World Computer Congress is extremely rich, featuring more than 600 presentations. Indeed, the attendees will be offered a large variety of opportunities:

- Five keynote talks by prestigious speakers.
- Nine co-located conferences for accomplished results, with 367 papers from 48 countries (selected from more than 900 submissions originating from 60 countries), 15 invited talks, and 7 panels.
- Fourteen topical days, an innovative feature for high-level surveys and prospective views, with 91 invited talks and 7 panels.
- A student forum for doctoral research, with 43 papers.
- Ten workshops for on-going research (selected from 26 workshop submissions), with some 100 presentations.
- Twelve tutorials for state-of-the-art and state-of-practice, with 20 presentations.
- An exhibition of 500 sq.m for display of latest products and services.

The coverage of the whole domain of information and communications sciences and technologies is truly exceptional. The high quality of the programme — guaranteed by the presence of an unparalleled number of internationally recognised top experts — can be assessed when reading the contents of the programme,

The Toulouse Congress will therefore be a unique event, where attendees will be able to appreciate the latest results in their field of expertise, and to acquire additional knowledge in other fields. Attendees arriving as specialist experts will thus have



the opportunity to leave the Congress as enriched scientists, be they from academia or industry.

The programme has been structured to favour interactions among attendees coming from many diverse horizons, scientifically, geographically, from academia and from industry. Included in this will to favour interactions are social events at prestigious sites.

Toulouse possesses the right mix of qualities for favouring the success of WCC 2004:

- A wide diversity of computing and communications activities, both in industry and in research or higher education.
- A strong involvement of local bodies.
- Dynamic universities gathering 110 000 students.
- A friendly life style and a mild climate at that time of the year.
- A wide variety of places of interest, natural, historical and cultural sites, not to mention high quality, regional gastronomy.

Enjoy during a week *l’esprit de Toulouse!*

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cieties as advisors to their national and regional governments in their ways into The Information Society.

With this Newsletter, IFIP also starts a new phase of its publication policy. We are glad to announce that Springer Science and Business Media becomes IFIP publisher starting January 1st, 2005. The new contract continues and advances the good cooperation with the former partners, Kluwer Academic Publishers and Springer Verlag with its Lecture Notes in Computer Science (LNCS) which both are now united under the SSBM roof. We are also glad to announce that both SSBM and IFIP will gradually develop and improve electronic means of communication, to improve the support of IFIP member societies and IFIP working bodies, and to speed the distribution of innovative solutions in our different disciplines.

Usually, we are very glad to be able to announce the next (19th) IFIP World Computer Congress but this time, we have to report that our Israeli member society, IPA Information-technology Association of Israel had to cancel the World Computer Congress planned to be held in Jerusalem in August 2006, essentially for problems related to the political state of the region. While we extend a "shalom" and wish a peaceful development to all countries in that reason, we will announce the venue and date of the 19th IFIP World Computer Congress as soon as possible. Please look at IFIP website for related information.

Toulouse, the place where IFIP's 18th World Computer Congress is held in 2004, is spirited by French culture and hospitality, art and architecture, technology, education, and business activities. We hope that you enjoy the Congress, and that you also enjoy the beauty of Toulouse and France.

World Information Technology Forum - WITFOR 2005

by Dr. Dipak Khakhar and P. Bollerslev

Recognizing the developmental opportunities offered by the digital technologies and the need for developing countries and developed countries to collaborate to exploit such opportunities, the Second World Information Technology Forum (WITFOR) will be organized by the International Federation For Information Processing (IFIP) under the auspices of UNESCO. The Government of Botswana will host the forum, 31 August – 2 September 2005 in Gaborone.

The World IT Forum (WITFOR) focuses on the formation of the ICT-enabled development agenda and aims at assisting developing nations to implement sustainable strategies for the application of ICT by organizing state-of-the-art conferences on global trends in ICTs and relevant policy issues concerning developing countries. It also aims at initiating projects in different areas of the ICT spectrum.

Prior to WITFOR, thematic commissions will be established to propose thematic documents. Each commission will identify and select different experts in the field to form a team or workgroup. The workgroup will draft a report prior to WITFOR. After discussions at WITFOR the reports will be finalized and incorporated in The Gaborone Protocol.

For WITFOR 2005, the following themes of *The Gaborone Protocol* have been identified:

1. Building the infrastructure
2. Economic opportunity
3. Empowerment and participation
4. Health

5. Education
6. Sustainability of Natural Resources
7. Agriculture
8. Social and ethical aspects

WITFOR 2003

WITFOR is a new activity of IFIP. The first WITFOR took place in Vilnius 27 – 29 August. The steering committee (SC) found right from the beginning much support in the host country. The PM Algirdas Brazauskas engaged personally in the preparations and established a governmental guarantee of app. 300.000 Euro. The SC succeeded in getting UNESCO on board and the Director General of UNESCO, Koichiro Matsuura accepted the conference being arranged under the auspices of UNESCO. The SC also functioned as Programme Committee (PC) and designed a UNESCO-style layout for the conference. This meant that there would be work in "Commissions" before the conference and at the conference itself.

There were app. 700 participants from 65 different nations. Many high officials presented in the opening session. The most prominent speakers were

- PM Algirdas Brazauskas, Republic of Lithuania
- HE Valdas Adamkus, former President of the Republic of Lithuania
- Dr. Yoshio Utsumi, Secretary General of ITU
- Prof. Dr. Klaus Brunnstein, President of IFIP

In the following session keynotes were presented by

- Dr. Abdul Waheed Khan, Assistant Di-

rector General of UNESCO

- Prof. Dr. Subhash Bhatnagar, Indian Institute of Management

In a half-day session worked in parallel an industry session and the eight commissions. An IT Ministers Forum was followed by a discussion chaired by Professor William Miller, Stanford University. In another half-day session the eight commissions finalised their input for the closing session. In the final closing session the eight commissions presented their reports and gave input to the Vilnius Declaration. The declaration was discussed in plenary and finally voted on and accepted as a result of WITFOR 2003.

Outcome

During the conference days a small subcommittee worked with developing the Vilnius Declaration. This 7 page document was altered a couple of times until the final version appeared after the closing discussion in the conference.

The declaration has afterwards been sent to IFIP Member Societies and UN-related institutions and organizations worldwide. The declaration is the backbone in the future WITFOR conferences where it will be followed up by amendments in the form of WITFOR Protocols.

An extra add on to the positive results was the publishing of the WITFOR White Book. This 340 pages hardcover book contains the Vilnius Declaration, the keynotes from WITFOR 2003 and the reports from the eight commissions including the papers presented in the commission sessions.

WCCE 2005 in CAPE TOWN

by Peter Waker (OC Chair WCCE 2005)

40 YEARS OF COMPUTERS IN EDUCATION: WHAT WORKS?

(and what does not work?)

The eighth IFIP World Conference on Computers in Education (WCCE 2005) is an IFIP event hosted by the Computer Society of South Africa in association with IFIP TC3 (Technical Committee – Computers in Education).

WCCE 2005 will explore the use of Information and Communication Technologies in Education and the Teaching of Informatics. The conference will be held at the University of Stellenbosch just outside Cape Town, South Africa and will provide an opportunity for participants to:

- review progress since WCCE 2001
- report on successful (and unsuccessful) ICT projects in Education
- predict trends for the future

It will be conference for everyone involved in education and training with an interest in learning more about the potential for ICT in education. WCCE 2005 will be of interest to both beginners and experi-

enced practitioners who wish to update their knowledge and skills.

WHO SHOULD ATTEND?

- Teachers
- Professional Trainers
- Teacher Educators
- Researchers
- Informatics Experts
- Policy Makers
- Curriculum Designers
- IT Vendors
- Manufacturers

PARTICIPATION IN WCCE 2005

The conference aims to provide a historical perspective, as well as a vision of the future – thus an assessment of what has, or has not, worked well, in addition to the sharing of where current research efforts and other actions might lead us in the future.

The organisers are seeking exhibitors, sponsors and contributions to a range of activities and invite IFIP members to send in ideas for:

- Presenting a Paper
- Giving a Demonstration

- Presenting a Poster
- Presenting a workshop
- Presenting a tutorial

Dates: 4 – 7 July 2005

Venue: University of Stellenbosch, Cape Town, South Africa.

OPPORTUNITIES

Apart from making a valuable contribution to education, delegates also have an opportunity to see more of South Africa.

Stellenbosch is the centre of the Cape Wine lands, and the most European-feeling town in Africa, yet it is also typical of South African towns.

Within 100 km range of Stellenbosch one will find the following attractions:

- Cape Point
- The Cape of Good Hope
- Table Mountain
- Robben Island
- The Cape Wine lands
- Game Farms
- Whale Watching
- The start of the Garden Route
- The V&A Waterfront

... and many more attractions.

New Head of Secretariat



Eduard Dundler joined IFIP as Head of Secretariat IFIP in April 2004. He was born in Baden (Austria). He started to study mathematics and physics at the University of Vienna. After two years he terminated his studies and in 1971 took the chance to join a computer department of an American company in Austria. In the growing IT department he held several positions: programmer, systems programmer, analyst, and finally in 1981, IT Manager. For a few years he was also the Office Administration Manager.

During his career he was involved in all types of IT projects, which come up in an international company (new IT systems for finance, customer service, procurement, sales and statistics). He served as Project manager for the Year2000 conversion for Austria and Switzerland and for the EURO conversion in Austria. In recent years he implemented a new finance system in Poland, Hungary, Czech Rep. and Switzerland. **Eduard Dundler** was also member of various international taskforces, e.g. European IT Managers' taskforce for strategic planning, European Infrastructure taskforce, ...

In order to understand the basic theory behind the practical work in the different departments he began, in addition to his activities as IT Manager, a distance course of Economics at the University of Hagen, Germany and finished the basic study in 1996.

Eduard Dundler and his wife have one daughter (27), who is working as a graduated Ergo therapist. In his spare time he is a fanatical basketball player and mountain biker. Besides all sport activities he is trying to learn Russian.

Mrs. McKenzie joins IFIP Secretariat

We are pleased to announce Mrs. Christine McKenzie has been appointed as the Administrative Assistant of the IFIP Secretariat in Laxenburg. She will take over the responsibilities of Mrs. Dorothy Hayden, who will retire after many successful years at IFIP. Mrs. McKenzie will act as "Event Facilitator", the focal point for the TCs and WGs for coordination of events as well as assisting with the general secretarial work.

Mrs. McKenzie was born in Jamaica, where she got also her public school education. She got her first experience as Secretary in Jamaica and moved in 1992 to Vienna, Austria. Mrs. McKenzie joined the Secretariat mid of July, after employment with OPEC. Mrs. McKenzie, who lives in Vienna, enjoys reading, sports, especially light athletics, tennis and ice skating.

Participants of the GA 2004 will be able to meet her in Toulouse. As there is very little time for a formal handover of the duties, it will take her some time to acquire the excellent knowledge of IFIP that Mrs. Dorothy Hayden had. Therefore I would ask you, to be patient in the first months.

Welcome to IFIP, Christine!

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The Secretariat can also answer inquiries about **IFIP**.

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Reprinting in national and local information processing periodicals is encouraged. Acknowledgements to **IFIP** would be appreciated.

Kindly submit material for the **IFIP Newsletter** three months before the publication date.

Please send announcements of conferences, workshops, and other meetings directly to the Secretariat, which prepares the Calendar of Events. Calls for papers should be sent to both the Secretariat and the Newsletter editor.

IFIP on the Internet

IFIP information (including this Newsletter) is available through the Internet as follows:

<http://www.ifip.or.at>



International Federation for Information Processing

Calendar of Events

EVENT	Date / Location
Computer Congress	22-27.8.2004 Toulouse, FR
10th Euro-Par Intl.Conf.on Parallel & Distributed Computing	31.8.-3.9.2004 Pisa, IT
Intl.Conf.on Entertainment Computing	1-3.9.2004 Eindhoven, NL
Intl.Conf.on Hardware/Software Codesign & System Synthesis	8-10.9.2004 Stockholm, SE
Forum on Specification and Design Languages	13-17.9.2004 Lille, FR
1st Intl. IFIP Congress 2004 - 18th World Work.Conf.on IT and Sport	15-17.9.2004 Cologne, DE
IFIP TC8 Work.Conf.on Mobile Information Systems	15-17.9.2004 Oslo, NO
8th IFIP TC6/TC11 Conf.on Communications & Multimedia Security	15-19.9.2004 Windermere, GB
9th Intl.Conf.on Personal Wireless Communications	21-23.9.2004 Delft, NL
6th IFIP Intl.Conf.on Inform.Techn.f.Balanced Automation Syst.in Manufact.& Services	27-29.9.2004 Vienna, AT
24th Intl.Conf.on Formal Techniques for Networked & Distr. Systems	27-30.9.2004 Madrid, ES
Parallel Architecture & Compilation Techniques	29.9.-3.10.2004 Juan les Pins, FR
Intl.Conf.on Enterprise Integration & Modelling Technologies	9-11.10.2004 Toronto, CA
Optical Networks & Technologies	18-20.10.2004 Pisa, IT
IFIP International Conference on Network and Parallel Computing	18-20.10.2004 Wuhan, CN
23rd Intl.Symp.on Reliable Distributed Systems	18-20.10.2004 Florianopolis, BR
Intl.Conf.on Intelligent Information Processing	21-22.10.2004 Beijing, CN
18th Intl.Conf.Informatics f.Environmental Protection	21-23.10.2004 Geneva, CH
NordiCHI 2004	23-27.10.2004 Tampere, FI
19th Intl.Symp.on Computer & Information Sciences	27-29.10.2004 Antalya, TR
16th Symp.on Comp.Arch.& High Performance Computing	27-29.10.2004 Foz d'Iguacu, BR
Network Control & Engineering for QoS, Security & Mobility	3-5.11.2004 Palma Mall.,ES
6th Brazilian Symp.on Geoinformatics	22-24.11.2004 Campos do Jordão, BR