

WCC

Toulouse
2004

IFIP
World
Computer
Congress



IFIP



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EUROPA
ORGANISATION

The premier international forum on Sciences and Technologies of Information and Communication

WCC IFIP World Computer Congress

**Toulouse
France**
22-27 August 2004



The 18th World Computer Congress offers a wide variety of opportunities

» **Topical sessions or days for high-level surveys**

Views on latest developments and challenging prospects in domains of dramatic importance for the building of the Knowledge Society

» **Conferences for accomplished results**

From theoretical computer science to the relationship between information technology and society, through hardware and software science and technology, to non-functional aspects arising from our dependency on information infrastructures

» **Workshops for on-going results**

On-going research for shaping and building the Ambient Intelligence landscape

» **Student forum for doctoral research**

Presentation and discussion of dissertation research objectives, approaches, and preliminary results

» **Tutorials for state-of-the-art and state-of-practice**

Coverage of all aspects of computer science, engineering, application and use, with focus on practical system development and operation

» **Exhibition for display of latest products and services**

Creation of new market opportunities

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l'esprit de Toulouse

www.wcc2004.org





Congress Structure

Sunday
22 August

Tutorials for state-of-the-art and state-of-practice
Workshops for on-going research

Monday
23 August
To
Thursday
August 26

Plenary Keynote Addresses

**Co-Located
Conferences**
for accomplished
results

Topical Days
for high-level
surveys and
prospective views

**Student
Forum**
for
doctoral
research

Exhibition
for display
of latest
products and
services

Friday
27 August

Workshops for on-going research



Programme contents

- ❖ 5 keynotes
- ❖ 9 co-located conferences, 367 papers from 48 countries (out of 900+ submissions from 60 countries), 15 invited talks, 7 panels
- ❖ 14 topical days, 91 invited talks, 7 panels
- ❖ Student forum, 43 papers
- ❖ 10 workshops, 109 papers, 6 invited talks, 6 panels
- ❖ 20 proceedings volumes, 14 at congress, 6 post-congress

Conferences

- ❑ TCS: Theoretical Computer Science
 - ❑ TCS-Algorithms: Track 1 — Algorithms, Complexity and Models of Computation
 - ❑ TCS-Logic: Track 2 — Logic, Semantics, Specification and Verification
- ❑ SEC: Information Security
 - SEC.ISM: Information Security Management
 - SEC.ISE: Information Security Education
 - SEC.I-Net: Privacy and Anonymity in Networked and Distributed Systems
- ❑ CARDIS: Smartcard Research and Advanced Applications
- ❑ DIPES: Distributed and Parallel Embedded Systems
- ❑ AIAI: Artificial Intelligence Applications and Innovations
 - Symposium on Professional Practice in AI
- ❑ HESSD: Human Error, Safety and System Development
- ❑ PRO-VE: Virtual Enterprises
- ❑ I3E: e-Commerce, e-Business, e-Government
- ❑ HCE: History of Computing in Education



Topical Days

- Top1 Semantic Integration of Heterogeneous Data
- Top2 Virtual Realities and New Entertainment
- Top3** Fault Tolerance for Trustworthy and Dependable Information Infrastructures
- Top4** Abstract Interpretation
- Top5 Multimodal Interaction
- Top6 Computer Aided Inventing
- Top7** Emerging Tools and Techniques for Avionics Certification
- Top8 The Convergence of Bio- Info- and Nano-Technologies
- Top9 E-Learning
- Top10 Perspectives on Ambient Intelligence: Infrastructure, Governance, Applications and Ethics
- Top11** TRaIn: The Railway Infrastructure — A grand challenge for computing science: towards a domain theory for transportation
- Top12** Open Source Software in Dependable Systems
- Top13** Critical Infrastructures Protection



Workshops

- Ws2 Technology Enhanced Learning
- Ws3** Certification and Security in inter-organizational e-services
- Ws4** Formal Aspects in Security and Trust
- Ws5 EduTech
- Ws6 Architecture Description Languages
- Ws7 Broadband Satellite Communication Systems
- Ws8 Challenges of Mobility
- Ws9 High Performance Computational Science and Engineering
- Ws10 International Summit on Computing Professionalism
- Ws11 Prep-WITFOR 2005 Workshops



Attendees

Totals

Delegates 1087
Exhibitors 218

Number countries	71
France	295
Germany	85
United Kingdom	75
USA	70
Italy	45
Brazil	32
Japan	35
Spain	35

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Academia	865
Industry	152
(incl. Exhib.	370)
Gov. Agencies	40



Scientific success

Organisational success

Interaction

The President's Report to IFIP General Assembly 2004 in Toulouse

IFIP World Computer Congress 2004 in Toulouse: a large success!

... an event which will be long remembered (besides the material products as 21 books and their electronic images) in IFIP and in the participants memories as one of the best organised IFIP World Computer Congresses ever.



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