









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





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Workshops for on-going results on-going research for chapting and building th landscape

Conferences for accomplished results from the sets all computer source to the relationship be information technology and society through bandware an science and technology to non-functional aspects anargi dependency on information infrantactures.

The 18th World Computer Congress

offers a wide variety of opportunities

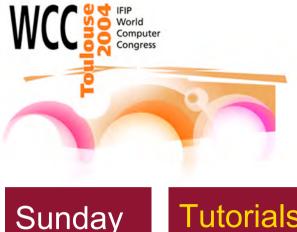
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presentation and discussion of dissertation research objective approaches, and preliminary results

Tutorials for stato-of-the-art and stato-of-practice coverage of all applicate of computer sciences angineering, application and use with focus on practical system development and coverage.

Exhibition for display of latest products and services creation of rew market upportunities

www.wcc2004.org



### **Congress Structure**

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

### **Plenary Keynote Addresses**

Monday 23 August To Thursday August 26

22 August

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

- S 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 Anonimity 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 Al
- □ 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
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France	295
Germany	85
United Kingdom	75
USA	70
Italy	45
Brazil	32
Japan	35
Spain	35

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



## Scientific success /// Interaction Organisational success

#### 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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