

WCC **Toulouse** **2004** IFIP
World
Computer
Congress



Programme-at-a-glance

- Programme Overview
- Programme Structure
- Schedule of the Co-Located Conferences and Student Forum
- Programme Highlights
- Topical Days
- Workshops and Tutorials



Programme Overview

Sunday 22 August	Workshops for on-going research Ws1: Grammar Systems Ws2: Technology Enhanced Learning	Tutorials for state-of-the-art and state-of-practice	
Monday 23 August to Thursday 26 August	Plenary Keynote Addresses		Student Forum for doctoral research Exhibition for display of latest products and services
Co-located Conferences for accomplished results 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 CARDIS: Smartcard Research and Advanced Applications DIPES: Distributed and Parallel Embedded Systems AIAI: Artificial Intelligence Applications and Innovations 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 for high-level surveys 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 Top14: Social Robots: Challenges for Machine Intelligence		
Friday 27 August	Workshops for on-going research Ws3: Certification and Security in inter-organizational e-services [Thursday and Friday] Ws4: Formal Aspects in Security and Trust [Thursday and Friday] Ws5: EduTech [Thursday and Friday] Ws6: Architecture Description Languages Ws7: Broadband Satellite Communication Systems	Tutorials for state-of-the-art and state-of-practice Ws8: Challenges of Mobility Ws9: High Performance Computational Science and Engineering Ws10: International Summit on Computing Professionalism Ws11: Prep-WITFOR 2005 Workshops	



Programme Structure

	9h	10h	10h30	11h	12h	12h30	13h30	14h	15h	15h30	16h	17h/17h30
Sunday	Sessions		Coffee Break	Sessions		Lunch Break		Sessions		Coffee Break	Sessions	
Monday	Opening Session	Coffee Break	Plenary Keynote Address		Lunch Break		Sessions		Coffee Break	Sessions		
Tuesday	Plenary Keynote Address	Coffee Break	Sessions		Lunch Break		Sessions		Coffee Break	Sessions		
Wednesday	Plenary Keynote Address	Coffee Break	Sessions		Lunch Break		Sessions		Coffee Break	Sessions		
Thursday	Plenary Keynote Address	Coffee Break	Sessions		Lunch Break		Sessions		Coffee Break	Sessions		
Friday	Sessions		Coffee Break	Sessions		Lunch Break		Sessions		Coffee Break	Sessions	

Welcome Reception
City Reception
Classical Ballet
Gala Dinner



Schedule of
 the co-Located
 Conferences
 and
 Student Forum

	Morning	Afternoon	
Monday		TCS-Algorithms: Theoretical Computer Science - Track 1	
		TCS-Logic: Theoretical Computer Science - Track 2	
		SEC: Information Security	
		SEC	
		DIPES: Distributed and Parallel Embedded Systems	
		AIAI: Artificial Intelligence Applications and Innovations	
		AIAI Symposium on Professional Practice in AI	
		PRO-VE Trends Session	
		PRO-VE: Virtual Enterprises - Track A	
		PRO-VE - Track B	
Tuesday	TCS-Algorithms	TCS-Algorithms Invited Talk Session	
	TCS-Logic		
	SEC		
	SEC Embedded workshop: Information Security Management		
	CARDIS Invited Talk Session	CARDIS: Smartcard Research and Advanced Applications	
	DIPES		
	AIAI		
	AIAI Symposium on Professional Practice in AI		
	HESSD: Human Error, Safety and System Development		
	PRO-VE - Track A		
PRO-VE - Track B			
I3E	I3E Invited Talk Session	I3E	
HCE			
Student Forum			
Wednesday	TCS-Logic Invited Talk Session	TCS-Algorithms	
		TCS-Logic	
		SEC	
		SEC Embedded workshop: Information Security Education	
		CARDIS	
	DIPES	DIPES Invited Talk Session	
	AIAI		
	AIAI Symposium on Professional Practice in AI		
	HESSD		
	PRO-VE - Track A		
PRO-VE - Track B			
I3E			
HCE	HCE Invited Talk Session		
Student Forum			
Thursday		TCS-Algorithms	
		TCS-Logic	
		SEC	
		SEC Embedded workshop: Privacy and Anonymity in Networked and Distributed Systems	
		CARDIS	
		DIPES	
	AIAI Invited Talk Session	AIAI	
		AIAI Symposium on Professional Practice in AI	
	HESSD	HESSD Invited Talk Session	HESSD
		PRO-VE - Track A	
	PRO-VE - Track B		
	I3E		
Student Forum		Student Forum Interaction Session	



Programme Highlights

	9h	10h	10h30	12h	13h30	15h	15h30	17h/17h30
Monday	Opening Session	Coffee Break	Plenary Keynote Address	Lunch Break	PRO-VE Trends Session	Coffee Break	SEC Panel Session	
Tuesday	Plenary Keynote Address	Coffee Break	CARDIS Invited Talk Session	Lunch Break	I3E Invited Talk Session	Coffee Break	TCS-Algorithms Invited Talk Session	
Wednesday	Plenary Keynote Address	Coffee Break	TCS-Logic Invited Talk Session	Lunch Break	HCE Invited Talk Session	Coffee Break	DIPES Invited Talk Session	
Thursday	Plenary Keynote Address	Coffee Break	AIAI Invited Talk Session	Lunch Break	HESSD Invited Talk Session	Coffee Break	Student Forum Interaction Session	



Topical Days

	Morning	Afternoon
Monday		Top1: Semantic Integration of Heterogeneous Data
		Top2: Virtual Realities and New Entertainment
		Top8: The Convergence of Bio- Info- and Nano-Technologies
		Top3: Fault Tolerance for Trustworthy and Dependable Information Infrastructures
Tuesday	Top3 (cont'): Fault Tolerance for Trustworthy and Dependable Information Infrastructures	
	Top4: Abstract Interpretation	
	Top5: Multimodal Interaction	
	Top6: Computer Aided Inventing	
Wednesday	Top7: Emerging Tools and Techniques for Avionics Certification	
	Top9: E-Learning	
		Top10: Perspectives on Ambient Intelligence
Thursday	Top11: TRaln: The Railway Infrastructure — Towards a domain theory for transportation	
	Top12: Open Source Software in Dependable Systems	
	Top13: Critical Infrastructures Protection	
	Top14: Social Robots: Challenges for Machine Intelligence	



Workshops and Tutorials

		Morning	Afternoon	
Sunday	Tutorials	Tut2: Discrete-event simulation	Tut4: Test and DFT of Mixed-Signal Integrated Circuits	
		Tut3: Service Oriented Computing	Tut5: Software Rejuvenation - Modeling and Analysis	
			Tut6: Semantic Web Services	
		Tut7: Quality of Service in Information Networks		
		Tut8: Critical Systems Development with UML: Methods and Tools		
		Tut10: Developing Portable Software		
		Tut11: Formal reasoning about systems, software and hardware		
		Tut12: GeneSyS - an approach to distributed systems supervision		
	Workshops	Ws1: Grammar Systems		
		Ws2: Technology Enhanced Learning		
		Ws3: Certification and Security in Inter-Organizational e-Services		
		Ws4: Formal Aspects in Security and Trust		
Thursday	Workshops	Ws5: EduTech		
		Ws3 (cont'): Certification and Security in Inter-Organizational e-Services		
		Ws4 (cont'): Formal Aspects in Security and Trust		
Friday	Workshops	Ws5 (cont'): 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		
		Tutorials	Tut1: Applications of Multi-Agent Systems	
			Tut9: Interaction Design of Highly Automated Domain-Specific Systems	