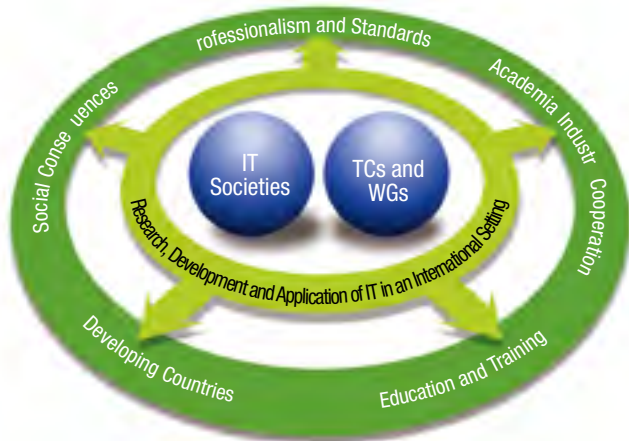




Within **ifip**

- IT member societies find a forum for sharing experience, and discussing challenges and opportunities
- TCs and WGs contribute to, and often lead, progresses in the state-of-knowledge and state-of-the-art: voluntary work of its WG members is catalysed into creative synergy, with societal relevance



**ifip** scientific and technological leadership

- is provided by WG membership, whose individuals excellence is warranted by peer selection
- is asserted by the organisation of some 80 highest quality international events, and the publication of some 30 new books annually that are distributed worldwide



## Members

### IT Societies from 43 countries or regions

Australia	Hungary	Slovakia
Austria	India	Slovenia
Brazil	Ireland	South Africa
Bulgaria	Italy	Spain
Canada	Japan	Sri Lanka
China	Korea	Sweden
CLEI	Lithuania	Switzerland
Croatia	Netherlands	Syria
Cyprus	New Zealand	Tunisia
Czech Republic	Nigeria	Ukraine
Denmark	Norway	United Arab Emirates
Finland	Poland	United Kingdom
France	Portugal	USA based / ACM
Germany	Serbia	Zimbabwe
	Singapore	

### Affiliate IT international or regional organisations

CEPIS	IMIA	SEARCHC
VLDB		

### How to get involved?

- Contact your member society
- visit the **ifip** web site ([www.ifip.org](http://www.ifip.org)), where you will find link to your Member Society and to the Working Groups of **ifip**
- contact the **ifip** Secretariat directly:

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# ifip

the leading edge of  
information technology

[www.ifip.org](http://www.ifip.org)



**ifip**, The International Federation for Information Processing is a non-governmental, not-for-profit umbrella organisation of national learned societies working in the field of Information Technology. It was established in 1960 under the auspices of UNESCO as a result of the first World Computer Congress held in Paris in 1959.



**ifip**

- Is the leading multinational, non-political organisation in Information & Communications Technologies and Sciences, recognised by United Nations and other world bodies
- Comprises **IT Societies** from 56 countries or regions, covering all 5 continents with a total membership of over half a million
- Links more than 3500 scientists from Academia and Industry, organised in 117 **Working Groups** reporting to 13 **Technical Committees**
- Provides an unparalleled global scientific coverage from theoretical foundations of IT to the relationship between IT and society including hardware, software, and networking technologies
- Addresses issues critical to developing countries, such as the application of IT in health, fighting poverty, access to education, environment



## Technical Committees (TC) and Working Groups (WG)

### TC1: Foundations of Computer Science

- WG 1.2 *Descriptive Complexity*
- WG 1.3 *Foundations of System Specification*
- WG 1.5 *Cellular Automata and Discrete Complex Systems*
- WG 1.6 *Term Rewriting*
- WG 1.7 *Theoretical Foundations of Security Analysis and Design*
- WG 1.8 *Concurrency Theory*
- WG 1.9 *Verified Software (joint with WG2.15)*
- WG 1.10 *String Algorithmics & Applications - ADD*

### TC 2: Software: Theory and Practice

- WG 2.1 *Algorithmic Languages and Calculi*
- WG 2.2 *Formal Description of Programming Concepts*
- WG 2.3 *Programming Methodology*
- WG 2.4 *Software Implementation Technology*
- WG 2.5 *Numerical Software*
- WG 2.6 *Database*
- WG 2.7 *User Interface Engineering (joint with WG13.4)*
- WG 2.8 *Functional Programming*
- WG 2.9 *Software Requirements Engineering*
- WG 2.10 *Software Architecture*
- WG 2.11 *Program Generation*
- WG 2.12 *Web Semantics (joint with WG12.4)*
- WG 2.13 *Open Source Software*
- WG 2.14 *Service-Oriented Systems (joint with WG6.12/8.10)*
- WG 2.15 *Verified Software (joint with WG1.9)*
- WG 2.16 *Programming Language Design*

### TC 3: Education

- WG 3.1 *Informatics and digital technologies in School Education*
- WG 3.3 *Research on Education Applications of Information Technologies*
- WG 3.4 *Professional and Vocational Education in ICT*
- WG 3.7 *Information Technology in Educational Management*

### TC 5: Information Technology Applications

- WG 5.1 *Information Technology in the Product Realization Process*
- WG 5.4 *Computer-Aided Innovation*
- WG 5.5 *Cooperation Infrastructure for Virtual Enterprises and electronic business (COVE)*
- WG 5.7 *Advances in Production Management Systems*
- WG 5.8 *Enterprise Interoperability*
- WG 5.10 *Computer Graphics and Virtual Worlds*
- WG 5.11 *Computers and Environment*
- WG 5.12 *Architectures for Enterprise Integration*
- WG 5.13 *Bioinformatics and its Applications*
- WG 5.14 *Advanced Information Processing for Agriculture*

### TC 6: Communication Systems

- WG 6.1 *Architectures and Protocols for Distributed Systems*
- WG 6.2 *Network and Internetwork Architectures*
- WG 6.3 *Performance of Communication Systems*
- WG 6.6 *Management of Networks and Distributed Systems*
- WG 6.8 *Mobile and Wireless Communications*
- WG 6.9 *Communication Systems in Developing Countries*
- WG 6.10 *Photonic Networking*
- WG 6.11 *Communication aspects of the e-World*
- WG 6.12 *Service-Oriented Systems (joint with WG 8.10/2.14)*

### TC 7: System Modelling and Optimization

- WG 7.1 *Modelling and Simulation*
- WG 7.2 *Computational Techniques in Distributed Systems*
- WG 7.3 *Computer System Modelling*
- WG 7.4 *Inverse Problems and Imaging*
- WG 7.5 *Reliability and Optimization of Structural Systems*
- WG 7.6 *Optimization-Based Computer-Aided Modelling and Design*
- WG 7.7 *Stochastic Optimization*

### TC 8: Information Systems

- WG 8.1 *Design and Evaluation of Information Systems*
- WG 8.2 *The Interaction of Information Systems and the Organization*
- WG 8.3 *Decision Support Systems*
- WG 8.4 *E-Business: Multi-disciplinary research and practice*
- WG 8.5 *Information Systems in Public Administration*
- WG 8.6 *Transfer and Diffusion of Information Technology*

- WG 8.9 *Enterprise Information Systems*
- WG 8.10 *Service-Oriented Systems (joint with WG 6.12/2.14)*
- WG 8.11 *Information Systems Security Research (joint with WG11.13)*

### TC 9: ICT and Society

- WG 9.1 *Computers and Work*
- WG 9.2 *Social Accountability and Computing*
- WG 9.3 *Home Oriented Informatics and Telematics*
- WG 9.4 *Social Implications of Computers in Developing Countries*
- WG 9.5 *Virtuality and Society*
- WG 9.6 *Information Technology: Misuse and The Law (joint with WG11.7)*
- WG 9.7 *History of Computing*
- WG 9.8 *Gender Diversity and ICT*
- WG 9.9 *ICT and Sustainable Development*
- WG 9.10 *ICT Uses in Peace and War*
- SIG 9.2.2 *Special Interest Group on Framework on Ethics of Computing*

### TC 10: Computer Systems Technology

- WG 10.2 *Embedded Systems*
- WG 10.3 *Concurrent Systems*
- WG 10.4 *Dependable Computing and Fault Tolerance*
- WG 10.5 *Design and Engineering of Electronic Systems*

### TC 11: Security and Privacy Protection in Information Processing Systems

- WG 11.1 *Information Security Management*
- WG 11.2 *Pervasive Systems Security*
- WG 11.3 *Data and Application Security and Privacy*
- WG 11.4 *Network & Distributed Systems Security*
- WG 11.5 *IT Assurance and Audit*
- WG 11.6 *Identity Management*
- WG 11.7 *Information Technology: Misuse and The Law (joint with WG9.6)*
- WG 11.8 *Information Security Education*
- WG 11.9 *Digital Forensics*
- WG 11.10 *Critical Infrastructure Protection*
- WG 11.11 *Trust Management*
- WG 11.12 *Human Aspects of Information Security and Assurance*
- WG 11.13 *Information Systems Security Research (joint with WG8.11)*
- WG 11.14 *Secure Engineering*

### TC 12: Artificial Intelligence

- WG 12.1 *Knowledge Representation and Reasoning*
- WG 12.2 *Machine Learning and Data Mining*
- WG 12.3 *Intelligent Agents*
- WG 12.4 *Web Semantics (joint with WG2.12)*
- WG 12.5 *Artificial Intelligence Applications*
- WG 12.6 *Knowledge Management*
- WG 12.7 *Social Networking Semantics and Collective Intelligence*
- WG 12.8 *Intelligent Bioinformatics and Biomedical Systems*
- WG 12.9 *Computational Intelligence*

### TC 13: Human-Computer Interaction

- WG 13.1 *Education in HCI and HCI Curricula*
- WG 13.2 *Methodology for User-Centred System Design*
- WG 13.3 *Human-Computer Interaction and Disability*
- WG 13.4 *User Interface Engineering (joint with WG2.7)*
- WG 13.5 *Resilience, Reliability, Safety and Human Error in System Development*
- WG 13.6 *Human-Work Interaction Design*
- WG 13.7 *Human-Computer Interaction & Visualization (HCIV)*
- WG 13.8 *Interaction Design and International Development*
- WG 13.9 *Interaction Design and Children*
- WG 13.10 *Human-Centered Technology for Sustainability*

### TC 14: Entertainment Computing

- WG 14.1 *Digital Storytelling*
- WG 14.2 *Entertainment Robot*
- WG 14.3 *Theoretical Basis of Entertainment*
- WG 14.4 *Entertainment Games*
- WG 14.5 *Social and Ethical Issues in Entertainment Computing*
- WG 14.6 *Interactive TeleVision*
- WG 14.7 *Art and Entertainment*
- WG 14.8 *Serious Games*
- WG 14.9 *Game Accessibility*

