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# **Information Bulletin**



**International Federation  
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**ifip**

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## **IFIP's PAST PRESIDENTS**

Isaac L. Auerbach	U.S.A.	1960 - 1965
Ambros B. Speiser	Switzerland	1965 - 1968
Anatol A. Dorodnicyn	Russia	1968 - 1971
Heinz Zemanek	Austria	1971 - 1974
Richard I. Tanaka	U.S.A.	1974 - 1977
Pierre A. Bobillier	Switzerland	1977 - 1983
Kaoru Ando	Japan	1983 - 1986
Ashley W. Goldsworthy	Australia	1986 - 1989
Blagovest H. Sendov	Bulgaria	1989 - 1992
Asbjorn Rolstadas	Norway	1992 - 1995
Kurt Bauknecht	Switzerland	1995 - 1998
Peter Bollerslev	Denmark	1998 - 2001
Robert Aiken	U.S.A.	2001
Walter Grafendorfer	Austria	2001 - 2002
Klaus Brunnstein	Germany	2002 - 2007
Basie von Solms	South Africa	2007 - 2010
Leon Strous	Netherlands	2010 - 2016

## **IFIP's Honorary Members**

1979: Dr. Richard Tanaka	IFIP President	1974 - 1977
1989: Prof. Pierre A. Bobillier	IFIP President	1977 - 1983
1997: Prof. Asbjorn Rolstadas	IFIP President	1992 - 1995
1999: Prof. Ashley W. Goldsworthy	IFIP President	1986 - 1989
1999: Mr Graham Morris	IFIP Honorary Secretary	1996 - 1999
2014: Prof. Sebastiaan von Solms	IFIP President	2007 - 2010
2017: Mr Leon Strous	IFIP President	2010 - 2016

## **INTRODUCTION**

This publication is an edited subset of a comprehensive database which is regularly updated and is accessible through international networks. The "electronic Bulletin" contains detailed statements of aims and scope for every Working Group.

A wide range of information is available electronically from the IFIP secretariat including the IFIP News, minutes of our General Assembly and Board meetings, IFIP documents and other valuable information on IFIP and its activities.

There are also links to pages of information about our Members and Technical Committees.

Access may be obtained as follows:

**URL:** <http://www.ifip.org>

## **IFIP's MISSION STATEMENT**

IFIP's mission is to be the leading, truly international, apolitical organization which encourages and assists in the development, exploitation and application of Information Technology for the benefit of all people.

### **Principal Elements**

1. To stimulate, encourage and participate in research, development and application of Information Technology (IT) and to foster international co-operation in these activities.
2. To provide a meeting place where national IT Societies can discuss and plan courses of action on issues in our field which are of international significance and thereby to forge increasingly strong links between them and with IFIP.
3. To promote international co-operation directly and through national IT Societies in a free environment between individuals, national and international governmental bodies and kindred scientific and professional organizations.
4. To pay special attention to the needs of developing countries and to assist them in appropriate ways to secure the optimum benefit from the application of IT.
5. To promote professionalism, incorporating high standards of ethics and conduct, among all IT practitioners.
6. To provide a forum for assessing the social consequences of IT applications; to campaign for the safe and beneficial development and use of IT and the protection of people from abuse through its improper application.
7. To foster and facilitate co-operation between academics, the IT industry and governmental bodies and to seek to represent the interest of users.
8. To provide a vehicle for work on the international aspects of IT development and application including the necessary preparatory work for the generation of international standards.
9. To contribute to the formulation of the education and training needed by IT practitioners, users and the public at large.

## IFIP IN PERSPECTIVE

### **Origins**

IFIP traces its roots to the very first major international conference on computers and computing which was held in Paris in 1959 under the auspices of UNESCO. Representatives of the main computer societies active in computing got together at that meeting to explore ways of building on the achievements of the conference. As a result, thirteen national computer societies agreed to found in 1960 an international federation and named it IFIP - the International Federation for Information Processing.

IFIP's principal aims were and are to foster international cooperation, to stimulate research, development and applications and to encourage education and the dissemination and exchange of information on all aspects of computing and communication.

IFIP's creation was well timed. In the 1960s there began a veritable explosion in the growth of the computer industry and in the application of its products. Within the lifespan of IFIP information technology (as it is widely known today) has become a potent instrument affecting people in everything from their education and work to their leisure and in their homes. It is a powerful tool in science and engineering, in commerce and industry, in education and administration and in entertainment.

### **Membership**

Today IFIP has 37 organizations as Full Members, 2 International Members at Large, 1 National Member at Large and 4 Associate Members, representing countries from all regions of the world.

### **Organisation**

A General Assembly of all its Members and TC Chairs takes place annually and has overall responsibility for all of IFIP's strategy, finance and activities. It elects a President, four Vice-Presidents, an Honorary Treasurer, an Honorary Secretary and eight Councillors who together form the IFIP Board.

### **Congresses and Major Conferences**

IFIP's flagship event is its World Computer Congress, currently held biannually. The 24<sup>th</sup> IFIP World Congress was held in Poznan, Poland in September 2018 (<http://www.wcc2018.org/>)

The nature of these Congresses has changed substantially over the years. They are no longer of the all-singing and -dancing variety addressing every conceivable facet of our field. Instead they consist of several independent conferences, each dealing with a major specialised subject. These run in parallel so that some more general keynote addresses can be attended by all participants who can also share in social and other acitivities.

In addition, there are major international conferences organised by our Technical Committees. These include events dealing with Production Engineering, Security, Computers in Education and Human Computer Interaction.

### **Technical Activities**

At the heart of IFIP lie its Technical Committees that, between them, count on the active participation of some three thousand people world-wide. There are thirteen such Committees. Each Technical committee is, in effect, a management team responsible for a given field of activity and for the work of from five to thirteen Working Groups, a total of 101. These Groups work in a variety of ways to share experience and to develop their specialised knowledge. These include open conferences, smaller working conferences, seminars and tutorials, circulated papers and, increasingly, as befits our subject, electronic conferencing and e-mail.

### **Publications**

Many IFIP events are linked to publications and there are annually some 30 to 40 IFIP books. Our principal publisher is

Springer-Verlag GmbH  
e-mail: ifip@springer.com

## **IFIP News**

A vital element of IFIP's communication with its Members and with all who participate in our work is the IFIP Newsletter. This is published quarterly in electronic form and is published on IFIP's website [www.ifip.org](http://www.ifip.org).

## **Relationships**

IFIP enjoys friendly cooperation with several international organisations. First among these is UNESCO with which IFIP maintains a formal consultative relationship. UNESCO has commissioned from IFIP several projects and supports the participation of some people from developing countries in IFIP events. IFIP is a Scientific Associate of ICSU (International Council of Scientific Unions).

There are four international federations with which IFIP collaborates. These are IFAC (International Federation of Automatic Control), near neighbours of ours in Laxenburg, IMACS (International Association for Mathematics and Computers in Simulation), IFORS (International Federation of Operational Research Societies) and IMEKO (International Measurement Confederation).

## **IFIP Secretariat**

The administrative hub of IFIP is our secretariat in Laxenburg, near Vienna. Eduard Dundler, the General Secretary of IFIP, with the assistance of Marion Smith and Beatrice Ruske is responsible for the wide range of administrative tasks vital to the operation of such a far-flung international body. Good communication and information are essential, and our secretariat provides a comprehensive service using up-to-date technology.

## **STANDARD INFORMATION**

### **IFIP COUNCIL**

### **EXECUTIVE BOARD**

Mike Hinchey	President	Ex officio	2016 – 2022
Gabriela Marin-Raventos	Vice President	Ex officio	2016 – 2022
Anthony Wong	Vice President	Ex officio	2019 – 2022
Jan Gulliksen	Vice President	Sweden	2020 – 2023
Moira de Roche	Vice President	Ex officio	2021 – 2024
Max Bramer	Honorary Secretary	Ex officio	2019 – 2022
Kai Rannenberg	Honorary Treasurer	Germany	2021 – 2024

### **COUNCILLORS**

Jee In Kim	Korea	2016 – 2022
Liz Eastwood (MS)	New Zealand	2019 – 2022
Philippe Palanque (TA)	TC13	2019 – 2022
Gerrit van der Veer (MAL)	ACM	2019 – 2022
David Kreps	TC 9	2020 – 2023
Rainer Malaka	TC14	2020 – 2023
Alastair Irons	UK	2021 – 2024
Wouter Brinsgeest	NL	2021 - 2024

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est. 1989 as SG14 / approved in 1996 as TC 1

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est. 1992, revised 2017

URL: <http://www.informatik.uni-giessen.de/ifipwg1.2/>

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est. 1992

URL: <http://ifipwg13.cs.ovgu.de/>

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est. 1994, dissolved 2004, re-established 2008, revised 2009  
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## WG 1.6 - Rewriting

est. 1998 revised 1999  
URL: <https://ifip-wg-rewriting.cs.ru.nl/>

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## WG 1.7 - Theoretical Foundations of Security Analysis and Design

est. 1999

URL: <http://ifipwg1-7.compute.dtu.dk/>

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## WG 1.8 - Concurrency Theory

est. 2005

URL: <http://www.concurrency-theory.org/organizations/ifip>

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## WG 1.9/2.15 - Verified Software

est. 2010

URL: <https://www.lri.fr/~filliatr/1.9/>

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## WG 1.10 - String Algorithmics & Applications

est. 2015, re-established 2019

URL: <http://www.stringology.org/ifip/>

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## TC 2 – Software: Theory and Practice

est. 1962, revised 1982, 1990  
URL: <https://ifip-tc2.paluno.uni-due.de>

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est. 1962, revised 1963, 1990, 1992  
URL: <http://www.ifipwg21.org>

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## WG 2.2 - Formal Description of Programming Concepts

est. 1965, revised 1991  
URL: <http://wg22.labri.fr/>

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## WG 2.3 - Programming Methodology

est. 1969, revised 1991  
URL: <https://ifip-tc2-wg23.paluno.uni-due.de>

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## WG 2.4 - Software Implementation Technology

est. 1973, revised 1991, 1992, 2000

URL: <http://www.ifip.org/wg-2.4>

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## WG 2.5 - Numerical Software

est. 1974, revised 1991 Aims and Scopes

URL: <https://wg25.taa.univie.ac.at/>

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est. 1974, revised 1985, 1991, 1997

URL: <http://www.cs.put.poznan.pl/ifip-wg26/>

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## WG 2.7/13.4 - User Interface Engineering

est. 1975, revised 1987, 1991

URL: <http://ui-engineering.org>

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## WG 2.8 - Functional Programming

est. 1987, revised 1991

URL: <http://www.cs.ox.ac.uk/ralf.hinze/WG2.8>

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## WG 2.9 - Software Requirements Engineering

est. 1993

URL: <http://www.ifip.org/wg-2.9>

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## WG 2.10 - Software Architecture

est. 2000

URL: <http://www.ifip.org/wg-2.10>

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## WG 2.11- Program Generation

est. 2003

URL: <http://wiki.hh.se/wg211>

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## WG 2.13 - Open Source Software

est. 2006

URL: <http://www.ifip.org/wg-2.13>

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## WG 2.14/6.12/8.10 - Service-Oriented Systems

est. 2011, revised 2012

URL: <http://ifip-wg-sos.deib.polimi.it/>

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#### WG 2.15/1.9 - Verified Software

#### WG 2.16 - Programming Language Design

est. 2012

URL: <http://program-transformation.org/WGLD>

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est. 1963, revised 1992, 1995, 1998  
URL: <http://www.ifip-tc3.org>

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est. 2014

URL: <http://ifip-education.ning.com>

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Re-est. 1988, revised 2004

URL: <http://www.ifipwg3-3.org/>

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est. 1971, revised 1983, 1989, 1995, 2008, 2014

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est. 1996

URL: <http://www.informatik.uni-bremen.de/agim/ifip/cms/index.php>

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est. 1970, revised 2004

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est. 2006, revised 2009

URL: <http://www.ifip-wg51.org>

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est. 2005

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est. 2001

URL: <https://sites.google.com/site/ifipcove/>

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est. 1978, revised 1986, 1989, 2000, 2008, 2015, 2020

URL: <http://www.ifipwg57.org>

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est.2006, revised 2008

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est. 1987, revised 1994, 2012

URL: <http://cospace.sce.ntu.edu.sg/ifip/>

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est. 1991, revised 1992, 2013  
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est. 1995, revised 2008

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est. 2010, revised 2015

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### **WG5.14 - Advanced Information Processing for Agriculture**

est. 2010 (SIG5.1), revised 2012, 2013

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est. 2020

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## TC 6 - Communication Systems

est. 1971, revised 1987 and 1991

URL: <http://ifip.informatik.uni-hamburg.de/ifip/tc6>

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\*\*) Website Maintenance

\*\*\*) Expert Member

## WG 6.1 - Architectures and Protocols for Distributed Systems

est. 1973, revised 1982, 1999, 2000

URL: <https://ifip.informatik.uni-hamburg.de/ifip/tc/6/wg/6.1>

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## WG 6.2 - Network and Internetwork Architectures

est. 1994, revised 2000, 2009

URL: <https://ifip.informatik.uni-hamburg.de/ifip/tc/6/wg/6.2>

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## WG 6.3 - Performance of Communication Systems

est. 1994, revised 2001, 2010

URL: <http://cnd.iit.cnr.it/ifipwg63/>

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## WG 6.6 - Management of Networks and Distributed Systems

est. 1986, revised 2001, 2006

URL: <http://www.simpleweb.org/ifip/>

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## WG 6.8 - Mobile and Wireless Communications

est. 1996, revised 2002, 2007

URL: <https://ifip.informatik.uni-hamburg.de/ifip/tc/6/wg/6.8>

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### **WG 6.9 - Communication Systems for Developing Countries**

est. 2002

URL: <https://ifip.informatik.uni-hamburg.de/ifip/tc/6/wg/6.9>

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### **WG 6.10 - Photonic Networking**

est. 1998

URL: <https://ifip.informatik.uni-hamburg.de/ifip/tc/6/wg/6.10>

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**WG 6.11 - Communication Aspects of the e-World**

est. 2000, revised 2001, 2010

URL: <http://ifip.informatik.uni-hamburg.de/ifip/tc/6/wg/11>**Chair**

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**WG 6.12/8.10/2.14 - Service-Oriented Systems**

## TC 7 - System Modeling and Optimization

est. 1972

URL: <http://ifip-tc7.impan.pl/>

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## WG 7.2 - Computational Techniques in Distributed Systems

est. 1973

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est. 1973

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est. 2014

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est. 1986

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est. 1989 rev. 1999

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### WG 7.8 - Stochastic Optimization

est. 1989

URL: [http://www.stoch.net/ifip\\_wg7\\_7.htm](http://www.stoch.net/ifip_wg7_7.htm)

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est. 1976, revised 1990  
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est. 1976, revised 1990, 1992  
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URL: <http://www.ifipwg82.org>

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URL: <http://ifip89.ifs.tuwien.ac.at>

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## WG 8.10/6.12/2.14 - Service-Oriented Systems

## WG 8.11/11.13 - Information Systems Security Research

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est. 2019

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est. 1976, revised 2008, 2009  
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est. 1977  
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URL: <http://www.ifiptc9.org/9-2/>

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URL: <http://www.info.fundp.ac.be/~jbl/IFIP/cadresIFIP.html>

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est. 1988, revised 1989, 2019

URL: <http://www.ifiptc9.org/9-3/>

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URL: <http://ifiptc9.org/wg94/>

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## **WG 9.5 - Our Digital Lives**

est. 1989, rev. 1999, 2000, 2006, 2008, 2019

URL: <http://www.ifip95wg.org>

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## **WG 9.6/11.7 - Information Technology: Misuse and the Law**

est. 1990, revised 1992, 2000

URL: <http://ifiptc9.org/wg9-611-7-information-technology-mis-use-and-the-law/>

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## WG 9.7 - History of Computing

est. 1992

URL: ifipwg97.org

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## WG 9.8 – Gender Diversity and ICT

est. 2001, revised 2009

URL: <http://ifiptc9.org/wg9-8-gender-diversity-and-ict/>

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## WG 9.9 - ICT and Sustainable Development

est. 2005

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## WG 9.10 - ICT Uses in Peace and War

est. 2013

URL: <http://ifiptc9.csir.co.za/WG10/members.html>

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## TC 10 - Computer Systems Technology

est. 1976, revised 1987

URL: <http://www.inf.ufrgs.br/ifip/>

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## WG 10.2 Embedded Systems

est. 2006

URL: <http://www.ifipwg102.org>

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### WG 10.3 Concurrent Systems

est. 1978, revised 1979, 1988  
URL: <http://www.ifipwg103.org>

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### WG 10.4 Dependable Computing and Fault Tolerance

est. 1980, revised 1988  
URL: <http://www.dependability.org/wg10.4/>

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## WG 10.5 Design and Engineering of Electronic Systems

est. 1981, revised 1988, merged with WG 10.2 in 1994, rev. 2003

URL: <https://cisd.di.univr.it/wg10-5/>

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

est. 1984, revised 2006, 2009

URL: [www.ifiptc11.org](http://www.ifiptc11.org)

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est. 1985, revised 1992

URL: <https://ifip11-1.cscan.org>

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est. 1985, revised 1992, 1995, 2009

URL: <http://wg112.ifiptc11.org/>

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est. 1987, revised 2001, 2011

URL: <http://spdp.di.unimi.it/~ifip113/>

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est. 1985, revised 1992, 1997, 2003, 2016

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est. 2006

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est. 1991

URL: <http://wg118.ifiptc11.org>

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est. 2004

URL: [www.ifip119.org](http://www.ifip119.org)

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est. 2006

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est. 2006

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est. 2010

URL: <http://www.ifip11-12.org>

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## **WG 11.14 Secure Engineering**

est. 2013

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est. 1989, revised 1991, 2004

URL: <http://www.ifiptc12.org/>

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est. 2004 Aims and Scopes

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## WG 12.2 Machine Learning and Data Mining

est. 1993

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est. 2003

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est. 1993, rev. 2003

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est. 1998, revised 2003, 2008

URL: [http://www.ifip.org/index.php?option=com\\_content&task=view&id=185&itemid=511](http://www.ifip.org/index.php?option=com_content&task=view&id=185&itemid=511)

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est. 2011

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est. 2020

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est. 2020

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est. 2021 Aims and Scopes

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est. 1989

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est. 1990, revised 1991

URL: <http://ifip-tc13.org/working-group-13-1/>

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est. 1992

URL: <http://ifip-tc13.org/working-group-13-2/>

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est. 1992, revised 1994, 2001

URL: <http://ifip-tc13.org/working-group-13-3>

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### WG 13.5 - Human Error, Resilience, Reliability, Safety and System Development

est. 1998, revised 2014

URL: <http://ifip-tc13.org/working-group-13-5/>

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est. 2005

URL: <http://ifip-tc13.org/working-group-13-6/>

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est. 2008

URL: <http://ifip-tc13.org/working-group-13-7/>

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**WG 13.8 Interaction Design and International Development**

est. 2008, revised 2014, 2015

URL: <http://ifip-tc13.org/working-group-13-8/>

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est. 2013

URL: <http://ifip-tc13.org/working-group-13-9/>

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est. 2015

URL: <http://ifip-tc13.org/working-group-13-10/>

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est. 2002 as SG16 / approved in 8/06 as TC14  
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est. 2004, revised 2006

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**WG 14.2 - Entertainment Robot**

est. 2004, revised 2006

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**WG 14.3 - Theoretical Basis of Entertainment**

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**WG 14.4 - Entertainment Games**

est. 2005, revised 2006, 2012  
URL: <http://www.cs.unimaas.nl/IFIP-WG14.4>

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**WG 14.5 - Social and Ethical Issues in Entertainment Computing**  
est. 2005, revised 2006

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**WG 14.6 – Interactive TeleVision (ITV)**

est. 2007

URL: <http://uitv.info/ifip>

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**WG 14.7 – Art and Entertainment**

est. 2007

URL: <http://www.tosa.media.kyoto-u.ac.jp/ifip/>

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#### **WG 14.9 – Game - Accessibility** est. 2015 URL: <http://cedric.cnam.fr/~dupirej/IFIP-WG14.9/index.html>

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est. 2018 Aims and Scopes

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