



IFIP Statement on Ukraine

The International Federation for Information Processing is deeply shocked at the events in Ukraine. In the words of the Secretary-General of the United Nations, [“the use of force by one country against another is the repudiation of the principles that every country has committed to uphold... It is wrong. It is against the Charter. It is unacceptable.”](#) IFIP condemns it.

IFIP has deep ties and many friendships in Ukraine. Our last in-person General Assembly prior to the Pandemic was hosted by our friends in Kyiv, in September 2019, and we have reached out to them in the past weeks with our sympathies - our horror - at unfolding events.

IFIP is a non-governmental organisation founded by UNESCO. Scientists around the world – [including thousands in Russia itself](#) – are appalled at the killing, displacement, destruction, and disruption taking place. The impacts are felt by both Ukrainian and Russian families now mourning loved ones, Ukrainian families separated and being cradled by neighbouring countries whose impulse toward hospitality we share, organisations and businesses across Ukraine reduced to rubble, and the many millions around the world for whom the price of food is now spiralling. As our Members know well, all systems are delicate, and such senseless violence all too often can have unintended and worse consequences.

We implore those who have the power to determine the course of these events: please make it stop. In the name of good sense, of humanity, make it stop! [“We need peace”](#).

The IFIP Board.

Informatics for All Publishes *Informatics Reference Framework for School*

New Report Supports the Advancement of Informatics as a Fundamental Discipline for the 21st Century

Formed in 2018, [Informatics for All](#) is a coalition whose aim is to establish informatics as a fundamental discipline to be taken by all students in school. The constituent organisations that make up the Informatics for All coalition include the [ACM Europe Council](#) of the Association for Computing Machinery; [CEPIS](#), the Council of European Professional Informatics Societies; [Informatics Europe](#), the association of European Informatics university departments and industrial research labs; and the [International Federation for Information Processing](#), the federation of computer societies and associations worldwide.



The Informatics for All coalition recently released their [Informatics Reference Framework for School](#). The new report advances informatics as a fundamental discipline for the 21st century, while also indicating how informatics may become a driver for renewal and innovation of other disciplines. [Informatics for All](#) is a multi-national initiative aimed at making informatics (referred to as computer science or computing in some countries) compulsory in primary and secondary school settings throughout Europe.

Recognising that the introduction of informatics in primary and lower secondary education is a recent phenomenon, and that many schools need guidance in building their informatics programmes, *Informatics Reference Framework for School* is designed to help schools develop their informatics curricula. The report includes a set of core topic areas with their associated practices that all students are expected to be competent in by the end of their upper secondary education (age 18 years).

In addition to the main *Informatics Reference Framework for School* report, the Informatics for All coalition will publish supplementary documents in the near future, which will provide additional guidance in specific areas. Teachers play a crucial role in implementing the *Informatics Reference Framework* and designing a curriculum that fits their country, region or school. Teachers can further shape the development of the *Informatics Reference Framework* by sharing their insights and their experiences.

Along with the implementation of the *Informatics Reference Framework*, the Informatics for All coalition urges informatics education research to be conducted, to learn and draw consequences first from pilot stages and later from the full implementation, with the goal of developing more tools, platforms and pedagogies to assist students and teachers.

The authors of the report hope the *Informatics Reference Framework* and supplementary documents will be further developed over time and will encourage professionals in the informatics community to undertake more research, share thoughts and refine ideas.

News from IFIP's Italian member AICA

Renato S. Marafioti is the new President of AICA



On January 20, in Milan, Renato Salvatore Marafioti has been elected as President of AICA for the three-year period 2022-2024.

Graduated in Law and specialized in criminal law, he has a long experience in cybersecurity and ICT vocational training (since 1995). Renato is the Founder and President of Format, a cultural association in Calabria, which for twenty-five years has spread computer literacy and promoted the digital literacy and the value of certification of skills for employability. As President of AICA Calabria, Renato S. Marafioti has been a member of the AICA Council for the past six years.

"The experience I have gained in over twenty years of activity in the ICT, both with Format cultural association as well as in AICA, will allow me to bring a significant contribution to play the leadership role AICA had in its first 60 years. My goal is to increase the visibility and image of AICA in Italy and abroad, enhancing its cultural and scientific mission; at the same time, I commit to work to increase the network of our Accredited Test Centres that re-supporting them with a more market-oriented approach".

resent our most important value,

AICA members and people involved with ICDL Test Centres and certifications congratulate and welcome the new President.

The AICA Council also reappointed Paolo Schgör, the Italian national representative at the IFIP GA, as Treasurer of AICA.

New Computer Science Academics – A BCS and IFIP TC3 Workshop

On the 3rd of March 2022, IFIP Technical Committee 3 on Education and the BCS Academy Board of Computing hosted a workshop to explore ways in which to support academics new to computer science (CS) education institutions. The objective of the workshop was to share challenges, to reflect on the projects and activities that are underway, and to explore ways in which BCS and IFIP can work together to create a community of practice and support for those new CS academics. The workshop was attended by colleagues from the UK, Europe and South-East Asia.

The main theme that came out of the workshop was willingness to collaborate to determine how best to support new CS academics and how the programme of support would fit the needs of an international audience. We explored a series of opportunities including: a CPD programme, shared resources, mentoring, collaboration, pedagogic research in CS and the creation of an international community of practice.

A range of short presentations was given, in order to stimulate discussion and debate. These included:

- IFIP Opportunities and Challenges in University Teaching from an IFIP TC3 Perspective
- An Overview of BCS Work for New CS academics
- The BCS Academic Package
- Early Careers Networks for Computer Science Academics: Experiences from the Point of View of an Early Careerist
- Challenges in developing a Data Science Curriculum from an International Perspective

The workshop concluded with an InVision post-it note and discussion session.

The workshop was greatly welcomed by those attending, and we aim to run the workshop again for a wider audience in May/June 2022. We are also exploring further collaboration across international computer societies and associations, with possible involvement of UNESCO.

Provisional date for next collaborative workshop Wednesday 25th May 2022 : 0900 GMT

ETRIA TRIZ Future Conference 2022 in Poland – 27-29 September

TFC2022 is the 22nd TRIZ Future Conference. It is organized by the European TRIZ Association (ETRIA) in partnership with the local university to emphasize connections to academia. ETRIA is a non-profit foundation aiming to develop a web-based collaborative environment to link industrial companies, institutions, educational organizations, and individuals interested in innovation processes and knowledge.

TRIZ (Theory of Inventive Problem Solving) is a systematic approach to innovation devised by Genrich Altshuller in the 1950s, spreading worldwide over decades. TRIZ offers concepts and tools supporting the systematic identification and solving of problems. Contrary to other solution generation methods, typically based on a trial-and-error formula, TRIZ uses an algorithmic approach directly aimed at the required outcome. This methodology was adopted by numerous global corporations and contributed to their development through innovations, with General Electric, Philips, Samsung, and Siemens being well-known examples. Recognizing TRIZ as the breakthrough in inventiveness and knowledge management theory, ETRIA supports its further development, including systematization of those concepts and tools, which are still heuristic and only partially formalized. To achieve this, ETRIA involves and collaborates with TRIZ experts and professionals from the fields of logic, informatics, and linguistics.

The conference will provide a forum for exchanges around the latest research and practical achievements regarding TRIZ and the systematic approach to innovation. To date, the conference has been organized in 14 countries, as the moving location is believed to stimulate the growth and cultural diversity of the TRIZ community. This edition will be hosted by the Faculty of Electronics and Information Technology, Warsaw University of Technology, with the motto "Systematic Innovation partnerships Artificial Intelligence and Information Technology". See the conference website tfc2022.eu for details.



IP3 News

David O’Leary Award – Call for nominations

IFIP IP3 acknowledges an individual or organization that has promoted and demonstrated Professionalism (Professional Practice), has worked as an Ethics Evangelist, and/or has made strides in fostering diversity among ICT practitioners. An individual or organization can be nominated.

The criteria:

Professionalism – demonstrated commitment to all aspects of ICT professional practice:

- a. Continuous Professional Development
- b. Service to organisation and broader community
- c. Trustworthiness
- d. Accountability
- e. Pride in the profession and setting a good example.

Ethics evangelism - in addition to ethical behaviour, takes every opportunity to spread the Ethics message.

Fosters diversity - works to promote gender, race, and digital equity.

The David O’Leary award includes a cash prize of USD1500, and travel to IFIPs General Assembly to receive the prize. The winner in 2019 was Mary Cleary.

The award was not made in 2020 because the General Assembly took place as a virtual meeting due to COVID-19 travel restrictions. We decided to make the award in 2021 despite the General Assembly once again being virtual. The 2021 winner was Don Gotterbarn. Don has received his cash prize and will travel to GA in Lille in 2022.

You can find the nomination form [here](#). Anyone may submit a nomination for a person or an organization. Supporting documents may be emailed to award@ipthree.org. The closing date for the 2021 Award is 15 July 2021. All information is confidential and will only be shared with prior permission. A panel of judges convened from the Global Industry Council will determine the winner.

IFIP IP3 at WSIS

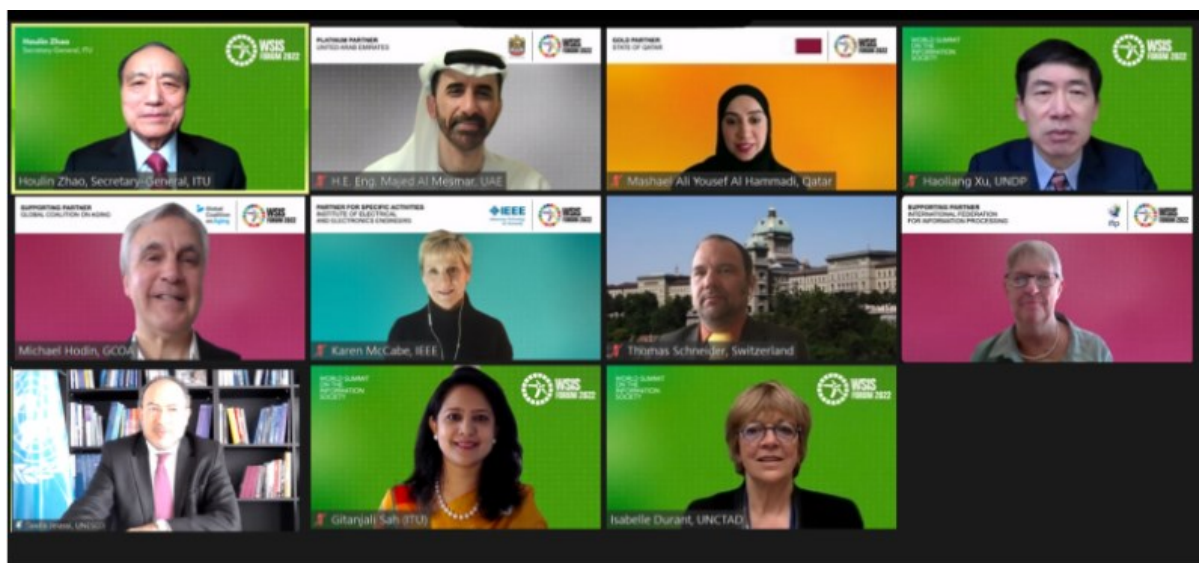
As usual, IFIP and IP3 will have a strong presence at the World Summit for Information Society 2022.

The theme for this year’s WSIS Forum is “ICTs for Well-being, Inclusion, and Resilience”.

Moira represented IFIP at the Inauguration Ceremony on 15 March 2022. This session kicked off WSIS Forum which will continue in a virtual format. The Forum will culminate with the final week on 30 May - 3 June 2022, which will take place physically at the ITU Headquarters in Geneva. Moira will be attending the physical event.

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This is an extract of my speech:

“A brief history of IFIP and the WSIS process. Our colleague, Raymond Morel was involved from the inception. He was always enthusiastic about WSIS but could never find anyone in IFIP who shared his passion for WSIS – until he spoke to IFIP IP3. The IP3 board could see a clear connection between the goals of the WSIS Action Lines and the IP3 mission of creating ICT as a global profession. We understood that WSIS primarily considered the user or consumer side, but IP3 introduced the requirement for the supply-side of ICT to be strong to allow the Information and Knowledge Society to develop and thrive.

When the Sustainable Development goals were launched at the beginning of 2016, this gave all the IFIP structures a focal point. Also in 2016, IP3 launched a campaign “IFIP Duty of Care in Everything Digital”. This focused our attention on Trust, and why it is a vital requirement for achieving the goals. IFIP IP3 also changed its tagline to read “Partnering for trust in digital”, and we have used this as the theme for all IP3 workshops since 2017.

To support Trust, IFIP launched its Code of Ethics in 2018. The code uses the ACM code as its basis, but IFIP consulted its members to refine the code, and make it applicable to everyone in ICT.

IFIP IP3 delivered its first Thematic Workshop in 2012, and we have continued to do so ever since. Other IFIP entities have delivered workshops on Disaster Recovery, ICTs for Education, and much more.

IFIP has been sponsoring the forum since 2016, to demonstrate our support and belief in the WSIS process.

The IFIP Technical committees and their working groups have been paying attention to the SDGs and concentrating their research on the goals.

The WSIS process has given IFIP a focal point for its work and has ensured that the work supports the Action Lines and contributes to achieving the Sustainable Development Goals.

Now we look forward to the future of the WSIS process. We believe that sustainability must be a major focus going forward. Of course, we do already consider sustainability, after all the goals are called Sustainable Development Goals. But perhaps we need to concentrate on technologies that can address sustainability issues, most importantly climate change, and so accelerate progress. However, providers of ICTs must focus their efforts on sustainability. In several ways, ICT companies have contributed to the problem, but they can and must create technologies to fix the problem. WSIS forum could facilitate discussions, resulting in partnerships that have a firm agreement of the steps to be taken. The time for this is now!”

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[View the recording of the inauguration.](#)

IP3's Thematic Workshop (date to be confirmed) will address the topic "The 'Monster' that is threatening global destruction can transform into the world's saviour. (Mobilizing the hi-tech sector to ensure a sustainable world by solving the problems caused by the development and use of modern technologies). This will be based on the white paper developed by GIC. The goal is to spawn partnerships between the tech sector, government, business, and international organisations to aggressively address sustainability. IFIP can take a leadership role in this.

GIC - Topics for white papers

The [Global Industry Council](#) plans to write more white papers. The [GIC Directors](#) have wide range of industry experience, and are interested in addressing topics that relate to the Sustainable Development Goals. The white papers represent the thought leadership of the directors but are not the result of thorough research. GIC request suggestions for topics for white papers. Send these to mderoche@ipthree.org.

The IFIP TC3 World Conference on Computers in Education (WCCE 2022)

Hiroshima, Japan, August 21st to 25th, 2022

Please consider contributing and participating!

Paper Submission Deadline: March 28th, 2022

IFIP TC3 WCCE 2022 welcomes short or full standard academic research papers as well as a number of presentation-oriented submission formats (outlines for demonstrations, posters, workshops, panel sessions and national sessions). Additionally, proposals for symposia (a collection of related presentations on a central theme of the conference) can be submitted.

Post-conference publication will include both a post-conference book (planned to be published by Springer in the AICT series) and a special issue of a journal of the Japanese Computer Society (in English).

All information is accessible at: <https://wcce2022.org>

Please also consider the opportunity to be a reviewer!

If you are interested, please email directly to Don Passey, Chair of IFIP TC3 (d.passey@lancaster.ac.uk)

Your name and email address will be added to the EasyChair system, and you will then be asked to select one or more of the conference themes that you would be willing to review.

Outstanding Keynotes have confirmed their participation:

Michael Kölling, King's College London, UK

Sachiko Nakajima, CEO of steAm Inc., Tokyo, Japan

Hiroaki Ogata, Academic Center for Computing and Media Studies, Kyoto University, Japan



PLM'22

<http://www.plm-conference.org>

Conference of the **WG5.1** "Global Product development for the whole lifecycle"

(www.ifip-wg51.org)

Since 2003 PLM International Conference (PLM IC) brings together researchers, developers and users of Product Lifecycle Management.

It aims to integrate business approaches to the collaborative creation, management and dissemination of product and process data throughout the extended enterprises that create, manufacture and operate engineered products and systems. The conference aims at involving all stakeholders of the wide concept of PLM, hoping to shape the future of this field and advance the science and practice of enterprise development.

Indeed, health, environmental and social crisis lead to a deep transitions period. It makes sense to discuss how PLM will face these transitions. This year the conference will pay attention on the **PLM in transition times: the place of humans and transformative technologies**.

PLM22 International Conference will be organized by **University Grenoble Alpes and Grenoble-INP, at Grenoble, France on, July 10th-13th 2022**.

The conference starts on **July 11th** and the Industrial day will be held on Wednesday, **July 13th**.

The traditional PLM Doctoral Workshop will be held on Sunday, **July 10th**.

Join us in Grenoble next July 2022!

Contacts:

Organization: Frédéric Noël at frederic.noel@grenoble-inp.fr

or IFIP WG5.1: Aziz Bouras at abdellaziz.bouras@qu.edu.qa

World Usability Initiative (WUI)

IFIP TC13 is supporting the **World Usability Initiative (WUI)** to connect the Information Processing and Computer Science world with Human-Computer Interaction (HCI) and the User Experience (UX) community to the United Nations, specifically in regard to the 17 Sustainable Development Goals (SDGs) for 2030.

A bit of history. World Usability Day (WUD) was launched in 2005. With the mantra “the opposite of usable is useless!” WUD was modeled after Earth Day, which has been credited for raising awareness and social action to fight climate change. Its founders, Elizabeth Rosenzweig and Nigel Bevan, envisioned a world where UX and HCI professionals would be able to vastly improve people’s experiences with digital devices, platforms, and services, by investing in more usable technology design. A major goal of WUD is to promote the design and development of technologies that are effective, satisfying, reliable, safe, useful, and usable by *all* people, including people with diverse characteristics and positionalities. For nearly 20 years, the global WUD team members, in close collaboration with regional, national, and local leaders and partners, succeeded in inspiring local events across the globe annually with a dedicated theme for each year, always on the second Thursday of November.

Looking forward. The World Usability Initiative aims to build upon the success of WUD and reach out to an even wider audience, fostering more collaborations and arenas for promoting equity and inclusion through the development of technologies that are intentionally designed to have a positive impact on people’s lives, shaping how people interact with technology and resulting in excellent, universally accessible user experiences. To achieve this goal, WUI is working toward increasing the awareness and commitment of the general public, businesses, and governments about user experience. One of the actions to achieve this is engaging with the UN’s SDGs.

Call to action. As we look forward to building more technologies for good in 2022, WUI asks you to help establish **World Usability Day** as an internationally observed day, listed on the United Nations calendar. Support this goal by signing and sharing the petition at: <https://www.change.org/UsableTechforGood>

If you’d like to learn more about the history of WUD and recent initiatives of the WUI, you can check out the Medium article at <https://medium.com/sigchi/world-usability-initiative-407304ee0b0>.

WG 10.4: Farewell Gilles Muller

Gilles Muller, a long-time member of IFIP WG 10.4, passed away on November 17th, 2021, after a three-year battle with cancer at the age of 59. Gilles earned his Ph.D. in 1988 from the University of Rennes 1 in France. He joined INRIA, in charge of various capacities until 2002, when he became a professor at the École des Mines at Nantes. In 2009, he became a Directeur de Recherche at INRIA in Paris.

Gilles's area of research was in systems in general with a style that combined strong fundamental theory with practical implementation. His work demonstrated that the reliability and safety of operating systems need not be compromised for the sake of performance—that is, good performance can be obtained through principled software engineering and the use of safe programming languages. He published extensively in high-quality conferences in the systems area, including 10 papers over the last 12 years at the IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), the flagship conference of IFIP WG 10.4. Gilles was an active member of the working group, and he donated his time and energy generously to the research community. The WG members remember fondly his service as the technical program chair for the 2018 edition of DSN.



Gilles was a great colleague and a friend. The following is a selection of the reactions of the members to the sad news:

“Gilles always gave me the impression of serenity and thoughtfulness. He was a music lover too; what a great loss for our community”

“He always enjoyed sharing scientific exchanges and discussions combined with moments of conviviality and friendship. We will miss him”

“Gilles was a fantastic person, generous and always committed to his work. He made great research contributions to our community, both in scientific and human aspects”

“He always made me feel welcome, and with his *Amitiés* e-mail signature, even a bit special”

“Gilles welcomed me to the community since I was a student, always supportive and encouraging”

“He published in the best conferences and chaired the committees of many of them. He was a top researcher. Yet, he was remarkably low-key and humble, the marks of a true scholar and a gentleman.”

“Gilles came across as excellent in his work, somewhat understated, which indeed made me think ‘here is someone who knows’. He will be missed”

“I had the privilege to interact with Gilles on many occasions. As I remember it, his paper reviews were always meticulous, to the point and well balanced. I will miss him.”

And from all of us, the members of WG 10.4 who had the privilege and joy of interacting with you over all these years: “Farewell”.

Some of forthcoming IFIP events. For a full list of events, please look at <http://www.ifip.org>

International Workshop on Coalgebraic Methods in Computer Science https://www.coalg.org/cmcs22/	CMCS	02/04-03/04 2022 Munich, DE	IFIP WG1.3 / IFIP TC1
IEEE/IFIP Network Operations and Management Symposium https://noms2022.ieee-noms.org/	NOMS	25/04-29/04 2022 Budapest, HU	IFIP TC 6
International Conference on Optical Network Design and Modelling ondm2022.tele.pw.edu.pl	ONDM	16/05-19/05 2022 Warsaw, PL	IEEE Photonics Society (TBC) / IEEE Communication Society (TBC)
IFIP 12th International Conference on Intelligent Information Processing http://www.intsci.ac.cn/iip2022/Home/	IFIP IIP2022	27/05-30/05 2022 Qingdao, CN	Shandong University of science and technology
IFIP Networking 2022 Conference https://networking.ifip.org/	IFIP Networking 2022	13/06-16/06 2022 Catania, IT	IFIP TC6
15th World Conference on Information Security Education https://www.ifiptc11.org/wg118-events/wise15	WISE15	13/06-17/06 2022 Copenhagen, DK	IFIP WG11.8 / IFIP TC11
International Conference on ICT Systems Security and Privacy Protection https://ifipsec2022.compute.dtu.dk/	IFIP SEC	13/06-17/06 2022 Copenhagen, DK	IFIP TC11
IFIP WG 8.3 Decision Support Open Conference 2022 https://www.uni-corvinus.hu/ind/ifip-wg-8-3/	IFIP WG8.3. Conference	15/06-17/06 2022 Budapest, HU	IFIP WG8.3 / IFIP TC8
Artificial Intelligence Applications and Innovations https://ifipaiai.org/	AIAI	17/06-20/06 2022 Crete, Xersonisos, GR	Democritus University of Thrace, School of Engineering, Lab of Mathematics and Informatics (ISCE) Greece
IFIP WG8.6 Working Conference 2022 <a href="https://ivi.ie/ifip
david.wastell@nottingham.ac.uk">https://ivi.ie/ifip
david.wastell@nottingham.ac.uk	IFIP86-2022	20/06-21/06 2022 Maynooth, IE	IFIP WG8.6 / IFIP TC8
Annual Privacy Forum 2022 https://privacyforum.eu/	APF 2022	23/06-24/06 2022 Warsaw, PL	IFIP TC11
IEEE/IFIP International Conference on Dependable Systems and Networks www.dsn.org	DSN	27/06-30/06 2022 Baltimore, US	IEEE
Network Traffic Measurement and Analysis Conference 2022 https://tma.ifip.org/2022/	TMA 2022	27/06-01/07 2022 Enschede, NL	IFIP
26th International Workshop on Algebraic Development Techniques 2022 http://wad2022.web.ua.pt	WADT`22	28/06-30/06 2022 Aveiro, PT	IFIP WG1.3 / IFIP TC1

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