



KNVI - Koninklijke Nederlandse Vereniging van Informatieprofessionals (Royal Dutch Association of Information Professionals)

Overview of Society

The Royal Dutch Association of Information Professionals (KNVI) is the professional association for individuals employed as information professionals or who are interested in this field in all its facets.

The Association has set the following objectives:

- a) Contributing to professionalization of employees in the Information and Communication field in general and in particular of its members;
- b) Representing the interests of the professional field in the event of (domestic and European) policy changes and exercising control over policy making;
- c) Liaising with key partners;
- d) Promoting domestic and international cooperation;
- e) Promoting interaction between the members;
- f) Raising awareness among members of their social responsibility;
- g) Providing opportunities for personal certification in accordance with the ISO 17024 standard within the information technology (IT) field.

The Association will attempt to achieve its mission in the following ways:

- a) Sharing knowledge, or facilitating such knowledge-sharing, through both face-to-face and virtual meetings (including conferences, workshops, field trips, etc.);
- b) Building a strong community of information professionals in the Netherlands;
- c) Issuing, or facilitating the issuance of, publications relevant to the professional field;
- d) Promoting training and education;
- e) Collaboration with other domestic and international organisations;
- f) Establishing departments, Interest Groups (IGs) and Regions.

The KNVI has been founded more than 100 years ago. In the beginning of 2017 former Dutch IFIP member society NGI-NGN merged with the smaller associations KNVI and SOD.

The name KNVI has been chosen, because of two main reasons; First, the 'I' standing for 'Information professional'. This overarching description of the profession makes all members recognise the core of their profession and connects them to the goal of the KNVI-organisation. Second, the long history of information professionals, starting at the beginning of the last century. ICT did not exist yet, but information forms the basis for all development in society.

Part of the legacy of KNVI is the **Van Wijngaardenpenning**, a prestigious award named after Prof. Dr. Ir Adriaan van Wijngaarden (1916 - 1987). He was the founder of the 'Mathematisch Centrum', now the Centrum voor Wiskunde en Informatica (CWI) and the Nederlands Rekenkundig Genootschap (NRMG), later Ngi, and then Ngi-NGN. He was also one of the founding fathers of IFIP and played an important role in developing the AGOL-60 and AGOL-68 computer language. The award was introduced in 1998 by the former Ngi, and approximately every five years the prize, a bronze statue made by artist Hanneke van den Bergh, is awarded.

Award winners are prof. ir. dr. Willem van der Poel, student of Van Wijngaarden, computer pioneer and inventor of the Testudo, the PTERA, the ZERO and the ZEBRA computers. Others are Joep van Oosterom, Eckhart Wintzen, Ton Risseeuw (2001), Maarten Looijen (2001), Andrew Tanenbaum (2002),

Theo Bemelmans (2005), Nancy Lynch and Persi Diaconis (2006), Éva Tardos and John Butcher (2011). In 2016 Sara van de Geer and Xavier Leroy were awarded during the 70th year anniversary of the Centrum Wiskunde & Informatica (CWI) in Amsterdam and celebration of the 100th birthday of Van Wijngaarden¹. On November 3rd 2022 the 2021 award was given to Marta Kwiatkowska and Susan A. Murphy. See: <https://www.cwi.nl/en/about/history/van-wijngaarden-awards/>

KNVI-board members are:

- Chair: Wouter Bronsgeest and Paul Baak (duo-chair)
- Secretary: Sandra de Waart
- Treasurer: Thomas Bouman
- Board members: Eric Kokke, Tom Dalderup, Rian van Heur
- Board members are up for election during the November GA: Marjolein Kral and Auke de Jongh.
- There is still one vacancy in the board, one nominee is in the final stage of the selection period.

KNVI has his own **Advisory Board**. At the end of 2021 Kees Verhoeven took over the Chair of this board. When this board started in 2017, Marietje Schaake was the Chair. Members of the board are former presidents Klaas Brongers and Michel Wesselink.

KNVI board members and -fellows had a meeting with Kees at the end of 2021, resulting in an active role for Kees Verhoeven in KNVI. Kees writes blogs and articles for Dutch newspapers and for the KNVI-website on a regular basis and has been attending meetings as a guest speaker. The Advisory Board and KNVI-board met in May 2023 and discussed the strategy of KNVI for the upcoming two years.

Some examples of the contributions of Kees Verhoeven (in Dutch):

- <https://www.knvi.nl/nieuwspagina/2023/01/25/Column-Onze-democratie-crasht-tijd-voor-een-reset>
- <https://www.agconnect.nl/blog/onze-democratie-crasht-tijd-voor-een-reset>
- <https://www.agconnect.nl/blog/dossierkennis-en-datagrip>
- <https://ibestuur.nl/artikel/digitale-identiteit-hoe-nieuws-de-nuance-steeds-verder-verdringt/>

(Pay wall):

- <https://fd.nl/tech-en-innovatie/1475639/snelle-opmars-kunstmatige-intelligentie-bezorgt-politiek-hoofdbrekens>
- <https://fd.nl/bedrijfsleven/1464947/d66-geweten-kees-verhoeven-de-democratie-stort-in>
- <https://www.telegraaf.nl/watuzegt/1616986673/polarisatie-op-zulke-platforms-loont-dus>
- <https://www.nrc.nl/nieuws/2023/07/19/existentieel-risico-of-niet-we-moeten-ai-beheersen-a4170106>
- <https://www.nrc.nl/nieuws/2023/01/27/help-de-democratie-crasht-a4155544>
- <https://www.nrc.nl/nieuws/2021/11/18/haal-tweede-kamer-uit-greep-big-tech-a4066000>
- <https://www.nrc.nl/nieuws/2018/01/02/onze-data-moeten-vrij-en-gelijkwaardig-blijven-a1586855>

Kees published his book 'De democratie crasht' in January 2023. The book is about a government grabbing for personal data, US tech companies manipulating Europeans' lives: Kees Verhoeven, former Member of Parliament for D66 and digital affairs specialist, sees the rule of law crumbling he says about his book 'De democratie crasht'. Verhoeven sees one remedy: investing heavily in European technology. See: <https://www.businesscontact.nl/onze-democratie-stort-in/>

KNVI has **3000 members**. Website: <https://www.knvi.nl/>

Furthermore we reach via our social media a number of 7000 unique followers via LinkedIn and other social media channels.

KNVI has **27 Interest Groups** and -at the moment- 8 regions. The regional model has been successful in the past, however nowadays people tend to participate more based on profession and interests, and

¹ <https://www.cwi.nl/news/2016/cwi-commemorates-100th-anniversary-of-computer-pioneer-van-wijngaarden-special-book-and--0>

less on local networks. In 2023 KNVI started focussing more on groups formed around professionalism and personal interests. In 2024 this model will be implemented.

The Interest Group PKM puts a lot of effort in the theme of Personal Knowledge Management, introduced by Martijn Aslander. In the international scene Tiago Forte with his view on 'building a second brain' is one of the persons that inspire the KNVI in putting extra effort in this theme. See also: <https://persoonlijkennismagement.nl> To 'boil it down to the core': We use this information every day: consciously and unconsciously, in many clever ways. Or we are less clever, and that can be very frustrating: Where did I put that story/ idea/ contact/ document/ concept again? Is it just in my head, or do I have it somewhere? Well, knowing where the information you need is at all times - that is personal knowledge management in a nutshell. PKM is one of the 5 pillars of Digital Fitness (Digital Consciousness, Digital Hygiene, Digital Skills, PKM and Personal growth using technology). See: <https://www.digitalefitheid.nl>.

KNVI has four **magazines** for members to choose from. Non-members can also get these magazines for a subscription fee.

- AG Connect (<https://www.agconnect.nl>)
- Informatie Professional (IP) (<https://informatieprofessional.nl>)
- Overheids Documentatie (OD) (<http://www.od-online.nl/>)
- IT-Infra newsletter (login members only)

These magazines also publish articles about KNVI and IFIP on a regular basis. Some of the IFIP-representatives also publish occasionally in these magazines.

In May 2023 the publisher of the OD in co-operation with KNVI awarded the first '**Information- and documentation Quality Award**'. A ceremony that started a new yearly event in the field of information professionals. In 2023, the winners were the Municipal of Tilburg and the Dutch Ministry of Justice & Security. See: <https://www.rcihh.nl/actueel/nieuws/2023/05/10/uitreiking-od-kwaliteitsawards>

Stephen Ibaraki has allowed KNVI to publish his interviews –made for the Association for Computer Machinery (ACM)- in our monthly newsletter. KNVI is happy to invite members to view these interviews. The links to these interviews are also published online via the KNVI-website. Here are a few of the series of interviews KNVI has published from 2021 to the beginning of 2023, featuring known IFIP members:

- <https://www.knvi.nl/nieuws/359495/DEEL-2-Interviews-Stephen-Ibaraki-met-John-Hennessy-en-Moira-de-Roche>
- <https://www.knvi.nl/nieuws/374507/DEEL-4-Interviews-Stephen-Ibaraki-met-Marietje-Schaake-en-Gavriella-Schuster>
- <https://www.knvi.nl/nieuws/377451/DEEL-5-Interviews-Stephen-Ibaraki-met-Anthony-Wong-en-Frits-Bussemaaker>

One interview of Steven is with KNVI-duo-chair Wouter Bronsgeest:

http://stephenibaraki.com/acm/interviews/v1220/wouter_bronsgeest_acm.html and one is with Liesbeth Ruoff: https://stephenibaraki.com/acm/interviews/v0619/liesbeth_ruoff_acm.html and another one is with Frits Bussemaker: https://stephenibaraki.com/acm/interviews/v0919/frits_bussemaaker2019_acm.html

Key activities this year - events

KNVI has facilitated around **35 events** in the Netherlands in 2022/2023. In 2021 the concept of the **Super Tuesday** was developed: a bigger online event that takes place every first Tuesday of the month. The Super Tuesday event has a strict format, takes max 1,5 hours live streaming and is open for members and non-members (the latter pay for a small fee). After a few days the content is published for free on the KNVI-website. The strategy proves successful, the events have between 50 and 300

viewers/attendants. In 2023 we started to professionalize the events with the help of a professional host: dr. Marijn Plomp. He hosts some of the Super Tuesdays.

Since 2020 Interest Groups of KNVI have experimented with both online and off-line events: many relatively small scale events or working groups of professionals getting together to discuss a specific theme work well online. We find that bigger events work much better off-line, due to extra networking possibilities.

In order to get extra focus on the online events, and make sure all members get value for money, KNVI has taken further steps to implement their **new strategy** following their renewed vision- and mission statement of 2020. The new strategy describes the 'cake' (the base) and the 'cherries' (that go on top of the cake).

- The 'cake' involves all standard activities all members can rely upon: 10 Super Tuesday events (1st Tuesday every month), and the monthly 'KNVI Connected 'meet & greet' events for all members, lots of news items via the website and the socials, a professional website including members area with a login, choice out of 4 magazines, the 3 main events (Smart Humanity, Windows Day and the Service Management Day) professional network opportunities, involvement of KNVI in international, European and National network of professionals, and the services of the back office – including the yearly KNVI-volunteers day and two GA's per year.
- The 'cherries' involve all extra activities of the Interest Groups and regional groups. They get a small annual share of money, and organise their own activities based upon additional fundraising, sponsorships, barter deals and (small) entrance fees.

Many organisations in our field struggle with the impact of a big amount of online events, many of them free to join. KNVI has decided to focus on a specific rhythm of events for all members, and tries to offer specific professional events for its professional members. Furthermore, KNVI tries to point its members to important events of partner organisations, thus creating an rich pallet of sessions and workshops to choose from. The Smart Humanity theme makes the KNVI a somewhat critical observer of the developments in society. Some online publications reflect this:

- <https://www.knvi.nl/nieuwspagina/2023/02/23/Column-Levenschte-chat>
- <https://www.knvi.nl/nieuwspagina/2022/10/20/Het-is-het-nog-n%C3%A8t-niet>

Attendants of KNVI-events are given the opportunity to get points for '**Personal Education**' or 'Education Permanente' – with a certificate they can show how many events and PE-points they have gathered attending these events. KNVI is in the process of making appointments to have these point recognised by different professional bodies like Vri, NOREA, ISACA and IPMA-NL.

A selection of our key events second half of 2022 and first half 2023 (key events in **bold**):

- KNVI day for board members (27th of September 2022)
- **Super Tuesday** - MetaVerse! In what ways is the MetaVerse going to transform our information society? (4th of October 2022)
- Governance of Responsible Artificial Intelligence (11th of October 2022)
- Personal Knowledge Management & Digital Fitness, 17th of October 2022)
- eHealth: Get Connected (18th of October 2022)
- **Super Tuesday**: Des-information & Propaganda (1st of November 2022)
- **National Security Debate** (10th of November 2022)
- E-Health: Get Connected (16th of November 2022)
- Architecture as a success factor of portfolio management (22nd of November 2022)
- GA KNVI (23rd of November 2022)
- Knowledge sharing session on applications of "R" (24th of November 2022)
- **Super Tuesday** - Uncontrolled AI? Just don't! (6th of December 2022)
- "Digital Me" and innovation process of the DIT Lab - Discover Innovations of Tomorrow (8th of December 2022)

- New Year's Walk – BMI (13th of January 2023)
- KNVI visits Supreme Court (30th of January 2023)
- **Super Tuesday**: Functional manager the organisation's superman (7th of February 2023)
- Architecture as a success factor of portfolio management (28th of February 2023)
- Look behind the scenes: Breda University of Applied Sciences (3rd of March 2023)
- **Super Tuesday** - Digital fitness for advanced users (7th of March 2023)
- The ethical importance of explainable AI (15th of March 2023)
- R&D study trip to London & Cambridge (18th to 25th of March 2023)
- ChatGPT: a blessing or a curse? (3rd of April 2023)
- **Super Tuesday**: Government information management, let's get the broom and start swiping? (4th of April 2023)
- Distinguishing between data and information is nonsense! (19th of April 2023)
- **srvision23** - Workshops (18th of April 2023)
- **rsvision** Conference & Exhibition (19th of April 2023)
- EvidenceHunt - Christiaan Vinkers (2nd of May 2023)
- **Super Tuesday**: "Draft practice guideline 'Governance on the human side of IT'?" (2nd of May 2023)
- **Od Knowledge session** 'Open Government Act (Woo), where do we stand after one year?' (9th of May 2023)
- Bio Medical Information professionals – professionalism, (11th of May 2023)
- Data Mesh 101 (11th of May 2023)
- Developments at Het Financieel Dagblad, the business news platform of the Netherlands (15th of May 2023)
- Manifesto on knowledge representation (23rd of May 2023)
- Process mining in action withing municipals. (25th of May 2023)
- GA KNVI (25th of May 2023)
- **Super Tuesday**: "Smart City: how aware is the smart citizen?" (June 6th 2023)
- Ethics by Design (June 21st 2023)
- **Super Tuesday**: Solving your tech talent shortage with female and atypical talents (4th of July 2023)
- **Super Tuesday**: "All in perspective: what is this disruption doing to us? (5th of September 2023)
- Implications of ChatGPT and generative AI (6th of September 2023)

Next to these events, KNVI also informs its members about other relevant events in their field. Via our website we publish interesting events of **partner organisations**. Members of KNVI get a discount when they participate in these events.

IFIP events in the Netherlands in 2022/2023

For 2022/2023 these IFIP-event have been organised in and/or have taken place in the Netherlands:

Event	Aconym	Date/location
Network Traffic Measurement and Analysis Conference 2022 [04666]	TMA 2022	27/06-01/07 2022 Enschede, NL
9th International Working Conference on Human-Centered Software Engineering [04669]	HCSE 2022	24/08-26/08 2022 Eindhoven, NL
IFIP Internet of Things 2022 International Conference [04632]	IFIP IoT 2022	27/10-28/10 2022 Amsterdam, NL
The 14th IFIP International Conference on Trust Management (IFIPTM 2023) will be held in Amsterdam. The mission of the IFIPTM 2023 conference is to share research solutions to	IFIPTM 2023	18 to 20 October 2023 Amsterdam, NL

Previous years:

2010 (3), 2011 (4), 2012 (6 incl. WCC), 2013 (2), 2014 (1), 2015 (3), 2016 (1), 2017 (0), 2018 (0), 2019 (1), 2020 (1), 2021 (1), 2022 (3), 2023 (1).

Members of KNVI also participated in other IFIP-events in 2022 and 2023, amongst others the **AlforGood Summit 2023**. Together with many others, KNVI Fellow Frits Bussemaker was one of the driving forces behind this event. Keynotes included António Guterres, Secretary-General United Nations, Doreen Bogdan-Martin, Secretary-General International Telecommunication Union (ITU) and Tedros Adhanom Ghebreyesus, Director-General of the World Health Organization (WHO) together with CxO's of Google, Amazon, and many other Universities and private and Public organisations. The summit was the first to give robots a stage: 10 robots were attending the meeting in panel discussions and keynotes. See: <https://aiforgood.itu.int/summit23/>

KNVI-Fellow Martin van den Berg and Advisory Board member Klaas Brongers participated in 'PRO-VE 2022 - 23rd IFIP/SOCOLNET Working Conference on Virtual Enterprises Lisbon, Portugal - 19-21 Sep 2022' to present their publication: The Business Ecosystem Perspective in Digital Strategies, Collaborative Networks in Digitalization and Society 5.0, 2022, pp 127 - 140.

Key activities this year – active participation in education and in scientific research

Each year KNVI supports scientists to do research. In a number of cases we have been supporting scientists to put their questionnaire online via the KNVI-newsletter. Furthermore we participate in the Commission of Recommendation for a PhD study of the University of Utrecht (UU) and University of Applied Studies in Utrecht (HU) together with other partners in a PhD research of drs. Willemijn van Haeften on the relationship of psychological contracts in the public sector and digital transformation. Together with the Free University of Amsterdam (VU) we are participating in the Commission of Recommendation for a PhD research of drs. Jan Mbonjani regarding Agile Working Methods.

Members of the KNVI also actively participate in boards and committees of Universities all over the country. Sometimes in a committee to give advice on developments in the curriculum, sometimes in committee functions to keep an eye on the quality of Bachelor and Master theses.

Part of the contribution to research can also be more practical: Together with the AG Connect magazine we facilitate the annual Salary Review of the IT Population of the Netherlands. See:

- <https://www.agconnect.nl/tag/salary-survey-2022>
- <https://www.agconnect.nl/artikel/gebrek-aan-it-kennis-organisaties-baart-iters-zorgen>

Other initiatives KNVI is involved in:

- Together with *Business University Nyenrode* we organise a **Masterclass Digital Leadership**. Twice a year for professionals and students in the profit sector, and twice a year for professionals and students in the public sector.
- For the *University of Twente* and *Vrije Universiteit Amsterdam* our members give special master classes ICT, Governance and Innovation.
- Support of the *National Legacy Coalition* (<https://www.nwo.nl/over-nwo/organisatie/nwo-onderdelen/ew/bijeenkomsten/legacy+coalitie+nl>)

Together with the University of Applied Studies in Utrecht (HU), KNVI was also involved in the development of the **CiBia (Continuous improvement & Business-IT alignment) model**. Central theme to be addressed was: 'How can we optimally use IV production to realise our ambitions? What are the best actions we can take in the coming period to strengthen the chain cooperation? How do we ensure that we continue to focus on improvement?'. The CiBia (Continuous improvement & Business-IT

alignment) model and method consists of a palette of products and services that supports a chain, train or organisational unit in answering these kinds of questions. With a considered choice from the range of workshops, scan, advice and coaching, CiBia offers customised solutions aimed at the questions and improvement opportunities that exist at a specific chain, train or organisational unit.

The basis for the CiBia improvement palette is laid down in a reference model for continuous improvement and business-IT alignment that is based in particular on the Lean/Agile philosophy. CiBia preferably focuses on the entire chain (cooperation between business and IV aimed at producing, delivering and maintaining IV-solutions). The duration of the guidance in a CiBia project depends on the specific question and will generally be between three and six months. In 2022/2023 two Master students (of the University of Applied Studies in Utrecht (HU)) examine the model and try to find additional scientific proof of the foundation and use of this model.

Key activities this year – talks with policy makers

On Thursday 31st of March 2022, **State Secretary for Kingdom Relations and Digitalisation** Alexandra van Huffelen received our book on 'Multidisciplinary aspects of digital security'. "Digital society demands more from us," says KNVI duo chairman Paul Baak. "The bar must be raised. Good information provision is indispensable in this process and forms the basis for greater understanding, knowledge and skill in the digital domains. The KNVI is working hard on that".

In the period 2022/2023, KNVI focused mainly on putting **themes from Smart Humanity** on the agenda through many blogs and columns in the association's three magazines. Additional efforts were also made to highlight the importance of professionalism for professionals. The focus is not only on skills, but also on *ethics* and keeping one's *knowledge up to date*. This message was spread nationally and internationally, including among European partners.

On May 10th 2022 KNVI and its Interest Group IT & Law organised the **National Digital Security Debate**. If cybercrime were a country, it would be the world's third-largest economy with damages of nearly \$6 trillion a year. Fighting it therefore requires major investment and coordination. Global, national, regional and also cross-sectoral. Actors do not distinguish between sectors and choose industry or organisation they expect to have the greatest chance of success; the weakest link.

In the new Dutch cybersecurity strategy of October 10th 2022, the government describes its vision of the digital society and the role of government, businesses and citizens in it. In addition, the action plan contains concrete actions for a digitally secure society. To realise the vision, goals have been formulated along four pillars. First, increasing the digital resilience of the government, businesses and civil society organisations. Further, providing secure and innovative digital products and services in our country. Third, countering digital threats from states and criminals. And finally, sufficient cybersecurity specialists, education on digital security and digital resilience of citizens.

During the National Debate on November 10th 2022, debaters from different sectors, including healthcare, financial and education, addressed topical issues focusing on the need for cooperation.

On the 27th of June 2023, duo-chair of KNVI held a presentation at the **'KWIV-meeting'** in Utrecht on its role in e-CF and the subsequent translations into the Dutch situation at a session of the Ministry of Internal Affairs with the Rijks-CIO, Laurens Visser.

A selection of other initiatives in which KNVI participates:

- Involvement in the **Dutch Digital Delta (DDD)** of the Ministry of Economic Affairs. Part of this programme is the *Dutch Blockchain Coalition*, the *Human Capital Agenda (HCA)* of the Netherlands and the *Dutch AI Coalition*.
- Support of the *Secure Software Development (SSD)* manifest of the Centrum Informatiebeveiliging en Privacybescherming (CIP).

KNVI has published the **'IT manifest for Government'** in 2015 (<https://www.knvi.nl/it-manifest>), an initiative to make government more aware of the importance of IT and the way IT-projects should and could be managed. As an answer to a governmental report by the 'Commissie Elias'- that investigated IT-projects in Dutch government, the KNVI published this short and concise manifest. The main focus points are (1) to choose organisational goals before IT-goals, (2) to co-create on basis of trust, not just in the basis of legal contracts, (3) to choose for smaller project and co-creation in value chains, (4) to put craftsmanship above reputation, and (5) to choose for change and agility above rigid planning processes. This Manifesto is the inspiration for a second Manifesto, based on the sessions on the Innovation of Archives (KIA/KNVI partnership).

Key activities this year - partnerships

Together with a group of other Dutch associations, KNVI is a member of **The International Federation of Library Associations and Institutions (IFLA)**. IFLA is the leading international body representing the interests of library and information services and their users. It is the global voice of the library and information profession. The August 2023 IFLA conference was attended by a number of KNVI-members. The chairs of KNVI were guests at the opening ceremony and reception.

KNVI is also participating in the **AI4Good organisation**. Our ambassador Frits Bussemaker is one of the founding fathers of this community, and helps organising international conferences on behalf of AI4Good. In the first 3 years, the summit was an annual one week event in May in Geneva. AlforGood has a sound online basis: 'All year – Always online'. See: <https://aiforgood.itu.int/programme/> As described earlier in this report: The AlforGood summit in June 2023 was a huge success.

As a member of **iPoort** (network organisation for IT-professionals, IT-business partners, members of parliament and representatives of government) KNVI participated in a number of online events covering topics like Information Management and Smart Cities.

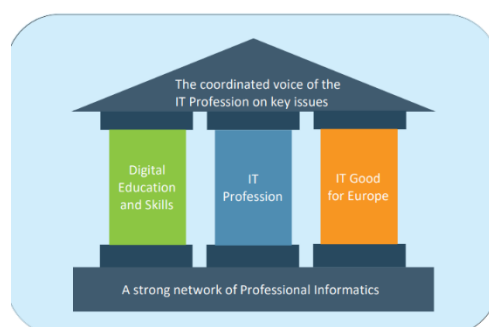
KNVI is active in the development of ecosystem around the **European e-Competence Framework (e-CF)**. KNVI is the official national professional organisation within the Dutch mirror committee **NEN TC 428** and represents the Netherlands in the **European CEN committee TC 428 Digital competences and ICT Professionalism**. The Interest Group Digital Skills of KNVI is active in organising the network and lobbying in Brussels (EU). Members of KNVI are deeply involved in the development of new standards and technical reports within this TC 428. See also: <https://www.cencenelec.eu/news-and-events/news/2023/brief-news/2023-06-30-ai-and-ict-professionalism-standardization/>

Next to the contacts in Brussels, KNVI has been supporting the **ISO/NEN** organisation. KNVI supports different working groups of the ISO-organisation in the Netherlands and in Europe, recently in the further development of ISO 38500.

KNVI is an active member of the **Council of European Professional Informatics Societies (CEPIS)**. As the Thematic Focus Over the next period, CEPIS strategy will seek to be more directly aligned with the CEPIS' mission and objectives, and in particular will provide focus on:

- Building a strong IT Profession
- Digital Education and Skills
- IT Good for Europe.

This will be underpinned by a drive to create, sustain, and leverage a strong Professional Informatics network throughout Europe directly together with CEPIS Members through increased cooperative engagement, and indirectly through other stakeholders leveraging the ITPE brand. This can be represented through the following diagram:



Each of these pillars will have two key strands: 'Development of the IT profession' and 'The voice of the IT profession on the European issues'.

One of the activities of CEPIS is the support of **ITPE**. In order to fill a gap a community of IT professionals, industry and academic representatives and the Council of Professional Informatics Societies has established the expert group IT Professionalism Europe (ITPE), in part to take forward a wider consultative role. The first action in that respect was the Declaration on IT Professionalism for Europe. KNVI supports the declaration and activities of ITPE.

See: <http://www.itprofessionalism.org/sign-the-declaration> and also: <https://itprofessionalism.org/liesbeth-ruoff-van-welzen/>

In the Netherlands, KNVI tries to **liaise with other associations**. Different talks have been initiated to work together with other organisations in the Netherlands. These contacts resulted in joint events and the intention to work together. One example is the partnership of KNVI with the **Foundation for Responsible Robotics (FRR)**. The partnership will aid FRR to achieve its mission to shape the future design, development and use of robotics in a responsible way and widen its network of professional practitioners. In turn, FRR broadens KNVI's network into the robotics domain and provides insight into the newest digital transformations.

Since KNVI is developing into a strong network, it is open for all kinds of partnerships with other professional bodies in the Netherlands. In 2021/2022 the contacts with the **Best Practise User Group (BPUG)** of the Prince2 body of knowledge resulted in the agreement to join forces and organise some events together.

With the **Digital Architects Network (DANW)** our KNVI-interest group Architecture has been joining forces since a long time. Furthermore, the KNVI Interest Group for Architecture and the DANW have a shared Interest Group called 'Critical Thinking and Information'. See for more info: <https://www.danw.nl/home>

With the Dutch Chapter of the **International Institute of Business Analysis (IIBA)** KNVI co-operates since May 2021. The first result of this partnership is the exchange of a number of events, twice a year.

KNVI has a Memorandum of Understanding to formalise the partnership with the **Digisterker Foundation**, to be able to focus more on developing skills on the citizen side. This foundation runs a digital skills programme in all public libraries in the Netherlands, helping people to develop their digital skills. Together with dr. Piet Boekhoudt KNVI is also involved in the network of the Dutch **Alliance for Digital Society (ADS)**.

Via our fellow Frits Bussemaker KNVI is also involved in the organisation of **INNOvember.nl** and the **Rijks Innovatie Community** (RIC – Public Innovation Community). INNOvember is the innovation conference of and for the Central Government. Each year the entire month of November is dedicated to innovation and technology. The event is made possible by 12 government departments. Technology and innovation do not stop at departmental boundaries. In recent years, 'innovation teams' have been appearing everywhere and various ministries have been jointly organising conferences aimed at sharing knowledge about technology and innovations by and for the government. The central question for the public sector is: "How do we deal with technological and innovative developments now and in the future?" Therefore, INNOvember is about exchanging innovative ideas, tips & tricks, getting inspired by innovative stories while strengthening networks around specific innovations and technologies. This way, the event contributes to the professionalisation of dealing with innovation and technology in the public sector.

The Dutch Government and KNVI have come to an agreement, signed the 7th of June 2021. The Secretary General of the Ministry of Education, Culture and Science signed a Memory of Understanding

on behalf of the Dutch '**Rijksprogramma voor Duurzaam Digitale Informatiehuishouding**' (RDDI) with KNVI. The partnership is based upon the help KNVI can offer to this governmental programme in order to educate civil servants in GDPR, knowledge on information management, archives and document management. See

<https://www.informatiehuishouding.nl/actueel/nieuws/2021/07/08/rijksoverheid-en-beroepsvereniging-slaan-handen-ineen-om-informatiehuishouding-te-verbeteren> (in Dutch).

In 2020 KNVI and the **IT4Handicapped** also joint forces. This organisation represents a group of different organisations in the west of the Netherlands, and works on inclusion for handicapped people. One of their leaders also joined the group of Fellows of KNVI to get this important message heard. On September 15th 2022 both organisations signed a MoU.

In 2020 talks with the forum **De Gebruiker Centraal** have been initiated. This platform focusses on User Centred Design and Usability norms for both the public and profit sector. One of the KNVI-members is a liaison to this organisation, in June 2023 this resulted in an Super Tuesday and a number of shared publications via our social media channels. In October 2023 KNVI will be supporting a big event of Gebruiker Centraal. We also explore different possibilities to work together, organise an event together, possibly resulting in a MoU.

Together with the **Competence Foundation** (formerly known as the *EXIN Foundation*) KNVI works on specific projects. In 2021/2022 the foundation supported us in translating books (see: book publications). With extra project budget KNVI also started two other projects: one project is aiming to interest students of all ages in developing their skill set and improving their network. The other project is to develop a system where KNVI can give 'EP' points (Education Permanente) for the activities KNVI organises.

In 2020 KNVI and **FutureXL** (<https://www.futurexl.nl/>) signed a partnership agreement. Many webinars of the FutureXL organisation are now available to KNVI members. Furthermore, KNVI has contributed to a book about the use of data and data centrism, published on the 3rd of September 2021:

Van Ierland, K., Van Maanen, F., *Data Waarde Creatie, zo verdien je geld in het digitale tijdperk*, Van Haren Publishing, Zaltbommel, 2021.

Ethics is a topic KNVI is investing in. KNVI contributed to the Dutch "**Ethical Manifesto for Architects**". The Ethical manifesto is a Dutch national initiative of the professional associations KNVI, Digital Architects Network (DANW) (formerly known as: NAF) and of Sogeti.

In 2020, KNVI has formally adopted the **IFIP Code of Ethics**. In 2020 the General Assembly of IFIP in September 2020 approved the final version of this Code. (<https://www.knvi.nl/nieuws/274047/IFIP-publiceert-Code-of-Ethics-voor-het-vakgebied>). See also: <https://www.agconnect.nl/artikel/internationale-it-beroepsvereniging-komt-met-code-ethics>

In 2020/2021 KNVI and the national **Knowledge and Information Agenda (KIA)** of the Dutch National Archive prepared a Memory of Understanding, which was signed in January 2021. This two year partnership allows both organisations to participate in each other's events, and allows members to use the respective knowledgebase of both organisations. Furthermore KNVI works specifically on one of the themes of the KIA-Agenda: Innovation of Archives. Using the newest IT-solutions for archiving is a very important topic, especially to digitalise and open up information for the public. See this article (in Dutch) for some back ground: <https://od-online.nl/artikel/innovatie-in-de-archiveringsfunctie/> The partnership has been prolonged for two years, enabling KNVI to work on with the innovation theme.

In 2023 KNVI also started to deepen the partnership with the **Dutch National Archive (NA)**. Board members participated in the vision sessions of the organisation, and KNVI offers her formal media channels to publish professional content from professionals of this public organisation.

Key activities this year - books

New books:

- Bronsgeest, W.L., De Waart, S. (ed.), Smart Humanity, English version, KNVI, september 2022
- Duuren, N. van, Pous, V., Nienhuis, J., (ed.), Multidisciplinary Aspects of Digital Security, English version, deLex B.V., 2022

KNVI published (or sponsored publishing) a number of **books** over the years:

- Duuren, N. van, Pous, V., Nienhuis, J., (ed.), Multidisciplinaire aspecten van digital security, deLex B.V., 2022
- Duuren, N. van, Pous, V. (ed.), Multidisciplinary Aspects of Covid-19 apps, English version. deLex B.V, 2021
- Duuren, N. van, Pous, V. (ed.), Multidisciplinary aspects of Artificial Intelligence, English version. deLex B.V, 2021
- Kweekel, W., De Bruijn, J. (ed.), Digitale Trends, Kweekel/ROG-Academy, 2021
- Duuren, N. van, Pous, V. (ed.), Multidisciplinary Aspecten van Covid-19 apps, 2021
- Bronsgeest, W.L., De Waart, S. (ed.), Smart Humanity, Nubiz Uitgeverij, November 2020
- Rooyen, J. van, Geefhorst, D., Mersie, M. Testautomatisering wendbaar organiseren, July 2020
- Duuren, N. van, Pous, V. (ed.), Multidisciplinaire aspecten van Artificial Intelligence, deLex B.V , January 2020.
- Smits, D., Bronsgeest, W.L. et al., Governance: De menselijke maat genomen, 2020.
- Duuren, N. van, Pous, V. (ed.), Multidisciplinary Aspects of Blockchain, deLex B.V. , 2019
- Duuren, N. van, Pous, V. (ed.), Multidisciplinaire aspecten van blockchain, deLex B.V, 2019.
- Op de Coul, J., Oosterhout, C. van, Werken in een digitale wereld - Het KNVI Competentie Model: Alles over functies, taken, rollen en competenties, 2018
- Bronsgeest, W.L., Wesseling, M., De Vries, E., Maes, R., Informatieprofessional 3.0, 2e geheel herziene druk, 2017
- De Pous, V. (red.), Digitaal recht voor IT professionals, 2016
- Verhagen, E., Geheugentrommels, CWI, 2015
- Bronsgeest, W.L. (red.), Wegwijzer voor Evalueren van IT projecten, Van Haren Publishing, 2015.
- Driel, M., Gils, B., Oor, E., (ed.), Wegwijzer voor methoden bij enterprise-architectuur - 2de herziene druk

The English online versions of the book series “Multidisciplinary aspects of ...” Have been made available free to read and download via the IFIP Digital Library and KNVI website. See also:

<https://www.ifipnews.org/knvi-releases-two-new-books-free-download/> and <https://www.ifipnews.org/multidisciplinary-aspects-blockchain/> and <https://hal.inria.fr/IFIP-SOCIETY-PUBLICATIONS>

Key activities this year - prices and awards

KNVI participates with the Koninklijke Hollandse Maatschappij der Wetenschappen (KHMW) for the **Young Talent Prices and Master thesis prices**. On the 28th of November 2022 the laudatio was spoken by Wouter Bronsgeest (KNVI) and Robert ten Hoor, chair of the Informatics department of KIVI (see also: <https://khw.nl/verslag-prijsuitreikingen-28-november-2022/>). Prof. dr. J.C.M. (Jos) Baeten, also active in IFIP Technical Committee (TC) 1, was one of the jury members.

Three prizes were awarded for the *KNVI/KIVI Thesis Award for Computer Science and Information Science*.

- The first prize was for Koen Minartz of Eindhoven University of Technology. In his research, Koen has looked at correlations between time series of data, derived, for example, from measurements. Such time series can be found in all kinds of fields, such as in fMRI scans in neuroscience, in climate science, in genetics, or in finance. The analysis of the relationship (correlation) between several such time series is an important part of modern data science. That analysis is computationally intensive, especially in the so-called multivariate case, where there are multiple dimensions. In his thesis, Koen has substantially improved and accelerated the existing algorithm for such analyses, which has now brought larger data sets within reach.

- The shared second prize was for Joshua Krause of Groningen University (Disentangling the Effects of Stimulus Frequency and Word Type on the Cognitive Processes Involved in Lexical Decision Making) and Dirk van Bokkem of Delft University of Technology (Economic Greenhouse Decision Support).

KNVI/KIVI also awarded *9 incentive prizes in Computer Science & Technical Computer Science* to first-year students. All these students achieved the best study results of their year, with an average of 10 being no exception. The incentive prizes were presented to:

- Victor-Adrian Alecu (University of Twente)
- Pjotr Beerens (Leiden University)
- Sander Hoffman (University of Amsterdam)
- Jasper Hofman (Utrecht University)
- Fabrice Kusters (TU Eindhoven)
- Martin Opat (University of Groningen)
- Eline Stehouwer (Radboud University)
- Vince Szabó (TU Delft)
- Dovydas Vadišius (Vrije Universiteit Amsterdam).

De KNVI participates in the Victorines, an award made possible by funding of the Victorine van Schaik fonds (<https://www.knvi.nl/victorine>). Every year an independent jury selects publications that help stimulate the information professional.

- Best publication in the field - and thus the Victorine van Schaick Penning - goes this year to Suzette van Haaren for her thesis 'The Digital Medieval Manuscript' written for the University of Groningen and the University of St Andrews.
- The initiative prize of 2,000 euros goes to Dia Wesseling (education advisor at Probiblio) for her plea to deploy expert reading (media) consultants within the Library at School approach in order to cooperate structurally with primary education, increase impact and ensure quality.
- The thesis prize of 1,500 euros goes to Nitzan Shalev. She obtained an M.A. cum laude from the Book and Digital Media Studies programme, Faculty of Humanities, Leiden University with her thesis 'Mind Your Language: A Longitudinal Study of the Catalogues of Leiden University Library's Hebrew Manuscripts Collection' (<https://hdl.handle.net/1887/3448598>).
- Vincent Janssen receives an honourable mention for his series of articles on the phenomenon of fake news in IP (Information Professional - also published in book form as Behind fake news by Eburon, Delft).

KNVI has its own award for active members that help to develop KNVI as an organisation and support the board of KNVI in an exemplary way: the **Jan Boersprij**s. Award winners are:

- 2021 Pieter van den Ende
- 2019 Interest Group members responsible for SR-vision: Philippe Lardinois, Robert de Koning and Gerard de Jong
- 2017 C.P.M. Busker
- 2016 Lex Schampers
- 2015 Tjerk Terpstra
- 2014 Gert de Gruyter
- 2009 Paul Teeuwen
- 2008 Arend Warmels
- 2007 Carel Daams

In 2022 KNVI introduced the **Innovation Award**, a price for people active in the field of Service Management and IT Management in the broadest sense. The award was presented during the srvision days in Utrecht to Paul Wilkinson: See: <https://www.knvi.nl/nieuws/424237/Paul-Wilkinson-winnaar-van-de-1e-Innovation-Award-uitgereikt-tijdens-SRVISIONDAYS>

KNVI Fellow Frits Bussemaker has been rewarded with the David O'Leary Award 2022. On the 20th of September 2022 Frits officially received the award during the GA in Lille, France. See: <https://www.ipthree.org/newsroom/david-oleary-award-by-redds-capital/> and <https://www.agconnect.nl/artikel/frits-bussemaker-ontvangt-david-oleary-award>

Smart Humanity

In 2018, KNVI inspires the profession of the information professional with a new annual theme: Smart Humanity. Smart Humanity emphasises the permanent and central position of humanity in our digital society. Smart Humanity was also the theme of the annual congress at the end of 2018, in Eye film museum in Amsterdam.

Five working groups of KNVI started to discover and define Smart Humanity in 2018, using these five different perspectives:

- Smart GLAM (Galleries, Libraries, Archives, Museums)
- Smart Me & Ethics
- Smart Mobility
- Smart Industries
- Smart Cities

In 2019 the perspectives our scholars and professionals are working on the following perspectives during the Smart Humanity event in the OBA (Public Library) of Amsterdam:

- Smart citizen (Happy civilians and digital participation for all)
- Smart user (Users and usability, digital skills and inclusion)
- Smart ethics (Practical human, 'hectic' ethics for professionals)
- Smart data (The wise researcher and data-isme)
- Smart pro (Powerful professionals, and working on competencies & lifelong learning)

In 2020 KNVI invited many fellows and scientists to reflect on the subject. With a group of practitioners and academics KNVI is ready to publish a book on the subject. Publication is planned for the end of November 2020, during an online event (Smart Humanity TV). The introduction of this book is written by Stephen Ibaraki. The chapters of the book are grouped according to the following themes:

- Smart Professional
- Smart Designers & Users
- Smart Citizen
- Smart Data
- Smart Ethics

In 2021 KNVI organised a meet-and-greet with active members in Utrecht with TEDex inspired talks on the 23rd of November 2021. After a long period of online meetings, we could meet offline again. The 'Biercafé Olivier' in Utrecht was the stage for this 'KNVIX Talks' event. The Smart Humanity themes addressed were:

- Training and IT by *Anita Bosman*, Director of the Institute for ICT, Utrecht University of Applied Sciences.
- Themes 2022 by *Kees Verhoeven*, Bureau of Digital Affairs, former member of the Dutch Parliament for D66.
- Powertalk by *Chris Raghoebarsing, Pieter Izeboud & Tom Dalderup*
How do you effortlessly deal with the dynamics of our time? Which trends give you energy? How do you translate data into value?

On the 23rd of November 2022 the Smart Humanity Event was organised in the Public Library of Amsterdam, the OBA (Openbare Bibliotheek Amsterdam). Keynote was *Annnique Mossao* of Bellingcat. Bellingcat became known worldwide with its investigation into the MH17 air disaster, using only open

source intelligence (OSINT). Technology plays an indispensable role in this: without tech, Bellingcat's work would not be possible. Yet limitations remain. During the KNVI's Smart Humanity Event on November 23, Bellingcat's Annique Mossou told the participants more about Bellingcat's methods.

Society has been sharing more and more publicly since the advent of the internet. From archives surrounding family tree research to the daily activities of individuals, all sorts of things are shared publicly on the internet. "There is an awful lot of information on the internet," Mossou says. She was in the police force for many years, where she also specialised in OSINT. Since two years, she has been putting her talents to work for Bellingcat, as a trainer and researcher. "Everyone has a mobile phone with a camera. We make videos and are on social media. So right now, everyone is part of the biggest intelligence network that has ever existed. On the one hand, that's quite scary, but you almost can't escape it."

Bellingcat makes eager use of that information. And with success: among other things, the research organisation discovered that the missile that brought down MH17 was brought to Ukraine from Russia. But conspiracy theories are also thoroughly investigated and the organisation spends a lot of time fact-checking. "OSINT is applicable to a lot of things."

Other themes during the event included:

- Fair data: building a good infrastructure together
- Research & Education
- The ethical IV professional on Smart Humanity
- Professionalising with the Dutch Information Quality Framework (KWIV)
- Critical tools in practice
- Personal Knowledge Management

What does KNVI mean by 'Smart Humanity'? A short introduction:

Society is changing under the influence of digital technology, thereby altering the role and position of humanity itself. Opinions on these alterations, however, differ. Some people expect robots and algorithms to take over the world, others envision a beautiful amalgamation of humanity and cybernetics, while yet others imagine humanity using IT to restore polluted Earth to a state of biological balance. No matter which scenario will prevail, humanity is central in our information society and should remain central in all current and future changes.

The role of the information professional is important, but society cannot allow digitisation and these changes to happen without its involvement. Everyone has a responsibility, everyone will have to learn to position themselves relative to technological possibilities. 'Everyone has to develop an awareness of the issues that new technology, new business models and new ways of communication will entail.

The KNVI has put forward and elaborated on the concepts 'Information professional 3.0' and 'Digital transformation' in various policy papers and publications. 'The essence of the first, but especially the second disruptive wave of change has had an unprecedented impact on professionals and the organisations where these people work. The information professional 3.0 carries a great responsibility,' according to Wouter Bronsgeest, one of the two chairmen of KNVI.

Information professionals and KNVI play a vital role in promoting the awareness outside the information professions. It is a role that government and the private sector have not yet adopted and a subject that science has only recently begun to explore. Smart Humanity means people who are able to use digital developments in society. A society that uses technology in an ethically responsible manner. A society that knows how to balance Earth and its resources. A society which uses technology to stop pollution and depletion of Earth's resources. A society which uses innovation to combat injustices and to give all individuals, without exception, the chance to live a life in dignity.

IFIP, KNVI and Europe

IFIP's International Professional Practice Partnership (IP3) is participating in the European initiative IT Professionalism Europe ("ITPE"). This is a network of organisations who are interested in and committed to furthering IT professionalism in Europe and promoting best practice in managing IT staff. The European Competence Framework (e-CF) is a strong component of this and represents the initial focus of ITPE. In the view of ITPE professionalism encompasses not only competence development, skills frameworks and standards but also key topics such as education and training (certification, qualifications, continuous professional development), professional ethics and bodies of knowledge.

The link between IP3 and ITPE is also a valuable connection to the European body of knowledge and the network of the European Commission.

In Europe, KNVI is a member of TC 428: CEN/TC 428 - Digital Competences and ICT professionalism. In this position, KNVI fulfils a key position between TC 428 CEN, NEN and IP3/IFIP. Chair of the KNVI Interest Group Digital Skills Liesbeth Ruoff is liaison for IFIP, KNVI and ITPE.

Sustainable Development Goals (SDG's)

KNVI has integrated three Sustainable Development Goals in the KNVI vision, mission and strategy:

- SDG #4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all,
Because we believe that the development of Information professionals needs quality education and lifelong learning
- SDG #9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
Because we believe that digitalisation leads to innovation and a sustainable world
- SDG #17: Strengthen the means of implementation and revitalize the global partnership for sustainable development
Because we believe we need partnerships to realise these goals.

We have a strategy plan that visualises the way KNVI's vision, mission and strategic goals are interlinked with the SDG's and Information professionals.

SDG's and International initiatives

KNVI and its Interest Group International Liaisons works on two initiatives to help Information professionals worldwide:

- We have an active role in the NGO Climbing the Right Tree (CtRT). This NGO supports ICT initiatives in Ghana, and recently helped to introduce Exin in Ghana. Furthermore the foundation supports projects in Burkina Faso, Gambia, Nigeria, Sierra Leone and Côte d'Ivoire. See: <https://climbingtherighttree.org>
CtRT and KNVI are exploring the possibilities of making the Digital Library developed by Maxim Nyansa foundation (CtRT's West African sister organisation) available to KNVI members.
- We are researching how to get involved in supporting ICT-based projects in West Papua, the easternmost province of Indonesia, working together with SDSP, Foundation for Sustainable Development in West Papua (www.sdsp.nl).

KNVI – representation in IFIP GA

Wouter Bronsgeest, chair of KNVI, represents KNVI in the General Assembly, succeeding Leon Strous in 2017. In May 2018 KNVI installed a new 'Interest Group' (IG) to keep an overview on all international activities: IG International Liaisons. Members are:

- Leon Strous (Chair)
- Klaas Brongers
- Frits Bussemaker
- Liesbeth Ruoff
- Wouter Bronsgeest (liaison to the KNVI-board)

This IG has the objective to co-ordinate the international activities of KNVI, support other IGs of KNVI with their international activities and advise the chairman of KNVI on a variety of international matters. Co-ordination is important, since next to the IFIP membership, KNVI is also member of CEPIS and represented in IFLA (International Federation of Library Associations and Institutions).

Based upon talks with the Dutch representatives, several topics were raised in our annual reports for the GA 2018 and GA2019. One of the topics was the link between IFIP and member societies. This issue has been taken care of the last few years. With the Communication Committee (Max Bramer), leaflets, promotional movie, new website and IFIP-newsletter, IFIP is more visible, at least to the Dutch members of KNVI. The back office of KNVI makes sure information of IFIP is distributed to all KNVI-members, and our magazine (AG Connect) regular publishes about IFIP activities, or publishes articles of academics involved in IFIP TC's and WG's. KNVI has also formed a group of '**Fellows of KNVI**'. Many fellows are also part of IFIP groups and activities.

The newest initiative is the use of IFIP channels and open access opportunities. With the help of Kai Rannenbergh, Joe Turner and the Publication Committee we worked together to use the opportunity for our publications to be published in the IFIP Digital Library (DL).

In 2021 Wouter Bronsgeest became IFIP **Councillor** for IP3. During the GA in Lille in France in September 2022 Wouter became a **board member** of IP3. KNVI Fellow Liesbeth Ruoff is also a board member of IP3, and is the liaison for KNVI, CEPIS and ITPE.

In the first half of 2023 we contributed with extra columns in the IFIP newsletter:

- <https://www.ifipnews.org/ifip-board-meets-in-sydney/> (Jet Lag Without the Jet: IFIP Virtual Board Meeting Across Time Zones)
- <https://www.ifipnews.org/broader-and-deeper/>
- <https://www.ifipnews.org/if-the-ai-routine-doubts-itself/>

IFIP – KNVI members in Technical Committees and Working Groups

KNVI is represented in many TCs, WGs and other bodies of IFIP. See the IFIP-website for full list.

IP3 - the International Professional Practice Partnership

Liesbeth Ruoff & Wouter Bronsgeest: Board members

Frits Bussemaker: Member of IFIP/IP3 Global Industry Council, founded by Stephen Ibaraki.

TC-1 Foundations of Computer Science

Jos C. M. Baeten

(<https://www.cwi.nl/en/people/jos-baeten/>)

Jan van Leeuwen

(<http://www.cs.uu.nl/staff/jan.html>)

Grzegorz Rozenberg

(<https://www.universiteitleiden.nl/en/staffmembers/grzegorz-rozenberg#tab-1>)

TC-2 Software: Theory and Practice

Johan Jeuring

(<https://www.uu.nl/staff/jtjeuring>)

(See also recent (IFIP-) publications in: <https://www.researchgate.net/profile/Johan-Jeuring>)

TC 3 – Education

-

TC5: Information Technology Applications

Hamideh Afsarmanesh

(<https://staff.fnwi.uva.nl/h.afsarmanesh/>)

(See also recent IFIP publications in: <https://www.researchgate.net/profile/Hamideh-Afsarmanesh>)

TC6: Communication Systems

Aiko Pras

(<https://people.utwente.nl/a.pras?tab=about-me>)

TC7: System Modeling and Optimization

Adrie J.M. Beulens

(<https://www.researchgate.net/profile/Adrie-Beulens/2>)

TC8: Information Systems

Erik Proper

(<http://www.erikproper.eu/about.html>)

TC9: ICT and Society

-

TC10: Computer Systems Technology

Henk J. Sips

(<https://research.tudelft.nl/en/persons/hj-sips>)

TC11: Security and Privacy Protection in Information Processing Systems

Abbas Shahim

(<https://research.vu.nl/en/persons/a-shahim>)

TC12: Artificial Intelligence

Joost Kok

(<https://people.utwente.nl/j.n.kok>)

TC13: Human-Computer Interaction

Regina Bernhaupt

(<https://www.tue.nl/en/research/researchers/regina-bernhaupt>)

(See also recent IFIP publications in: <https://www.researchgate.net/profile/Regina-Bernhaupt>)

TC14: Entertainment Computing

Matthias Rauterberg

(<https://www.tue.nl/en/research/researchers/matthias-rauterberg>)

(See also recent publications in: <https://www.researchgate.net/profile/Matthias-Rauterberg>)



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