



### 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 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 Willem van der Poel, 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 Wijngaarden<sup>1</sup>. In 2021 Marta Kwiatkowska (Univ. Oxford, informatica) en Susan Murphy (Harvard Univ., wiskunde) were awarded. Due to corona restrictions, the award ceremony has been postponed to November 3, 2022.

**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, Hilde Klein.
- Board members that are up for selection during the General Assembly in November 2022: Claudia Beemster, Marjolein Kral
- There is 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. KNVI boardmembers 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. On the 14<sup>th</sup> of February 2022 Kees Verhoeven was the keynote speaker during the annual 'Privacy Rede', a joint event of SETUP, TivoliVredenburg and SURF.

During the Privacy Speech, former Member of Parliament Kees Verhoeven showed that in the digital age our privacy is under attack from various sides at the same time. To this end, he first took us back to the end of the last century. When Internet optimism was still great, the dot.com bubble had yet to burst and the Twin Towers were still standing. He showed how a number of historical events around the symbolic key year 2000 led to the modern-day data frenzy that is the mechanism behind both the Big Tech earnings model and the Big States' urge for control. Kees then casted a critical eye on the actions of democratic constitutional states such as the Netherlands, with the central question: How do we guarantee a human society and a strong democracy in the digital age?

Some other examples of the contributions of Kees Verhoeven for KNVI:

- <https://www.knvi.nl/nieuws/401665/Een-duurzaam-digitaal-2022-gewenst->
- <https://www.knvi.nl/nieuws/437821/Kunstmatige-intelligentie-vereist-menselijke-intelligentie-blog>
- <https://www.knvi.nl/nieuws/377792/Column-Kees-Verhoeven-Van-apatisch-naar-alert.-Wachten-op-kabinetsformatie-is-niet-nodig>

KNVI has **3500 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 less on local networks. In 2022/2023 KNVI will start focussing more on groups formed around professionalism and personal interests.

In 2022 two new Interest Groups (IG) got started:

- IG Ethics for Information professionals
- IG for Personal Knowledge Management (PKM).

PKM is a new theme, introduced by Martijn Aslander. See also: <https://persoonlijkennismanagement.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

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

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 in these magazines. Examples are (in Dutch only):

- <https://www.agconnect.nl/artikel/internationale-it-beroepsvereniging-komt-met-code-ethics>, introducing the new Code of Ethics to the community of professionals
- <https://www.agconnect.nl/artikel/superscience-processen-verbeteren-op-basis-van-data>, an article about the scientific findings of Prof. dr. Wil van der Aalst.
- <https://www.agconnect.nl/artikel/het-tijd-voor-een-strategische-visie-op-it-vanuit-universiteiten>, and <https://www.agconnect.nl/artikel/ict-wetenschappers-uiten-zorgen-over-bigtechsoftware-bij-universiteiten> articles about how become more dependent of Big Tech by Prof. dr. Aiko Pras.

Stephen Ibaraki has allowed KNVI to publish his interviews –made for the ACC- 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 in 2021 and 2022, 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\\_bronsgest\\_acm.html](http://stephenibaraki.com/acm/interviews/v1220/wouter_bronsgest_acm.html)

and one is with Liesbeth Ruof: [https://stephenibaraki.com/acm/interviews/v0619/liesbeth\\_ruoff\\_acm.html](https://stephenibaraki.com/acm/interviews/v0619/liesbeth_ruoff_acm.html)

## Key activities this year - events

KNVI has facilitated around **50 events** in the Netherlands in 2021/2022. Due to Covid-19 restrictions KNVI has switched to online events via webinars starting April 2020, and liaisons with partners to make sure members have access to interesting content. In 2021 we developed the concept of the Super Tuesday: a bigger online event that takes place every first Tuesday of the month. The Super Tuesday event has a strict format, takes 1,5 hours live streaming and is open for members and non-members (the latter pay for a small fee). After a few weeks the content is published for free on the KNVI-website. The strategy proves successful, the events have between 50 and 300 viewers/attendants.

In 2020 and 2021 Interest Groups of KNVI have experimented with off-line events as well: many relatively small scale events or working groups of professionals getting together to discuss a specific theme. The real big off line events have all been cancelled starting in April 2020 and first half of 2021. After summer 2021 KNVI started also to organise bigger off line events. At the end of 2021 and the beginning of 2022 we had -again- a partial lock down in the Netherlands. This resulted in a small dip in events in the beginning of 2022. However, in Spring 2022 things changed for the better and events off-line and online started to get organised again.

Many organisations in our field have struggled with the impact of the Covid-measures in one way or the other. With the Smart Humanity theme as a starting point, KNVI publishes articles and blogs related to the Covid-situation in relation to these concepts. Some examples (in Dutch) are:

- Duuren, N. van, Pous, V. (ed.), Multidisciplinary Aspects of Covid-19 apps, English version. deLex B.V, 2021. See: <https://hal.inria.fr/IFIP-SOCIETY-PUBLICATIONS>
- <https://www.knvi.nl/nieuws/444692/Column-Rijker->
- <https://www.knvi.nl/nieuws/417191/Doosje-in-een-doosje>
- <https://www.agconnect.nl/blog/anders>
- <https://informatieprofessional.nl/verenigingen-3/>
- <https://www.agconnect.nl/blog/war-words>
- <https://www.knvi.nl/nieuws/369928/Blog-Vakantietijd-oplaadtijd>

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 (1<sup>st</sup> 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.

Most attendants of KNVI-events are rewarded point for '**Personal Education**' or 'Education Permanente' – with a certificate they can show how many events and PE-points they have gathered attending these events.

A selection of our key events second half of 2021 and first half 2022 (key events in **bold**):

- **Super Tuesday**: Digital Trends and Digital Strategies (6<sup>th</sup> of September 2022)
- E-Health: Get connected lunch (13<sup>th</sup> of July 2022)
- Common Nederland: Speakers update (23<sup>rd</sup> of June 2022)
- Decentralized Governance in Space using Blockchain (21<sup>st</sup> of June 2022)
- Everything you always wanted to know about libraries (20<sup>th</sup> of June 2022)
- Behind the screen – publishers of juridical books (16<sup>th</sup> of June 2022)
- **Robust teams: hard and soft criteria in teambuilding** – event of KNVI and BPUG (9<sup>th</sup> of June 2022)
- Governance: Data governance (8<sup>th</sup> of June 2022)
- **Super Tuesday**: Military defence & Cyber: An exiting combination? (7<sup>th</sup> of June 2022)
- Datamining with intelligent cloud – IoT and Edge Computing (31<sup>st</sup> of May 2022)
- Impact of digitalisation on society (30<sup>th</sup> of May 2022)
- Open Book: Online reading club for Information professionals (23<sup>rd</sup> of May 2022)
- E-Health: Get connected coffee hour (16<sup>th</sup> of May 2022)
- **DuctTape or WD40: choose your tools carefully** - event by our Limburg region (10<sup>th</sup> of May 2022)
- Digital transformation in an ethical way (25<sup>th</sup> of April 2022)
- Common IBM i information talk (25<sup>th</sup> of April 2022)
- **Logius Standard Platform: Turn Key containerization in the Dutch Public Cloud** (20<sup>th</sup> of April 2022)
- Responsible Data Science & Analytics (workshop) (20<sup>th</sup> of April 2022)

- **Ethics for Information Professionals with Uri Rosenthal** (13<sup>th</sup> of April 2022)
- Impact of digitalisation on public governance (12<sup>th</sup> of April 2022)
- **SRVisiondays 2022** (6<sup>th</sup> and 7<sup>th</sup> of April 2022)
- **Super Tuesday** Impact of Windows 11 on your organisation (5<sup>th</sup> of April 2022)
- Common IBM i information talk (28<sup>th</sup> of March 2022)
- Governance: The fluid society (16<sup>th</sup> of March 2022)
- E-Health: Get connected coffee hour (16<sup>th</sup> of March 2022)
- Enterprise Cloud Adoption – Hybrid does the trick (8<sup>th</sup> of March 2022)
- **Super Tuesday:** Information in order: Access to your information, how does government take care about you as a citizen? (1<sup>st</sup> of March 2022)
- Personal marketing and sales techniques important in strategic positioning of information management (24<sup>th</sup> of February)
- Architecture as management tool – case about using SaaS transformation (22<sup>th</sup> of February 2022)
- **Innovation of our Archives:** how to make the next step (3<sup>rd</sup> of February 2022)
- **Super Tuesday:** New Information Revolution: Personal Knowledge Management (1<sup>st</sup> of February 2022)
- New Years walk of KNVI (27<sup>th</sup> of January 2022)
- Strategic and tactical co-operation in information management (27<sup>th</sup> of January)
- 25 years of IT Architecture: Have we made any progress? (26<sup>th</sup> of January 2022)
- Impact of digitalisation on business models (19<sup>th</sup> of January 2022)
- E-Health: Get connected coffee lunch (17<sup>th</sup> of January 2022)
- E-Health: Get connected preview of 2022 (16<sup>th</sup> of December 2021)
- Crypto and Blockchain for cities (9<sup>th</sup> of December 2021)
- Governance: Responsible computing (8<sup>th</sup> of December 2021)
- **Super Tuesday:** Devil's dilemma: Is the Netherlands well-digitalised, or not? (7<sup>th</sup> of December 2021)
- Application Integration Factory: Illusion or reality? (29<sup>th</sup> of November 2021)
- The importance of knowledge management in information management (25<sup>th</sup> of November 2021)
- The bleeding edge (or final frontier?) of information – call to action (24<sup>th</sup> of November 2021)
- **The Ultimate KNVI Get Together – KNVIx talks by our professionals on Smart Humanity** (23<sup>rd</sup> of November 2021)
- Open Book reading club (15<sup>th</sup> of November 2021)
- Starting with AI (15<sup>th</sup> of November 2021)
- Never ending stories for IT Professionals (9<sup>th</sup> of November 2021)
- Work atelier: Future of archives (4<sup>th</sup> of November 2021)
- Governance: Innovate with interaction (3<sup>rd</sup> of November 2021)
- **Super Tuesday:** NGO's and good data (2<sup>nd</sup> of November 2021)
- What principles of quality management are useful to organise information? (28<sup>th</sup> of October 2021)
- Philosophic pub meeting – Value of Information (26<sup>th</sup> of October 2021)
- Business Value of IT: Technology Business Model (14<sup>th</sup> of October 2021)
- Blind spots of Enterprise Architecture (12<sup>th</sup> of October 2021)
- **Super Tuesday:** Access to all your information & Data? Innovation of archives and information management (5<sup>th</sup> of October 2021)
- Information management 2030 and need to educate (30<sup>th</sup> of September 2021)
- Transparency by design – open the black box in public and private organisations (28<sup>th</sup> of September 2021)
- Privacy management by design (23<sup>rd</sup> of September 2021)
- Cloud solutions don't need architectures (14<sup>th</sup> of September 2021)
- **Super Tuesday** - Data and sport - Is data a 'must have' or a 'nice to have' and what is the meaning of it now and in the near future? (7<sup>th</sup> of September 2021)
- Open Book: Reading club for Public Libraries (23<sup>rd</sup> of August 2021)
- **Super Tuesday:** Summer session: self-reflection and working on your CV (3<sup>rd</sup> of August 2021)

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.

We also featured the **60 year IFIP anniversary** events of IFIP via our website:

- IFIP 60 year anniversary: Future Trends in Databases (22th of November 2021)
- IFIP Code of Ethics and Professional Conduct: A document for its time (4th of October 2021)
- IFIP 60 year anniversary: Digital Twin for Cyber-physical Production Systems (13th of September 2021)

### IFIP events in NL in 2021/2022

For 2021/2022 these IFIP-event have been organised in and/or have taken place in the Netherlands:

<b>Event</b>	<b>Aconym</b>	<b>Date/location</b>
IFIP Internet of Things 2021 [04536]	IFIP IoT 2021	04/11-05/11 2021 Online
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

#### 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).

See for a report of the successful IFIP IoT conference in November 2021: <https://drustvo-informatika.si/uploads/documents/a94d059e-7ad4-4736-983a-47f53350381e//IFIPNewsDec2021.pdf>

Another online event, organised In relation to the celebration was the event: *Never waste a good crisis: develop a trustworthy digital ecosystem* on the 9<sup>th</sup> of November 2021 by ITPE (itprofessionalism.org). It was a cooperation of ITPE, (part of CEPIS) KNVI and TC428 (CEN/Cenelec). Liesbeth Ruoff was one of the organizers. Speakers from New Zealand to USA gave their view on how to develop trust in a digital world.

Members of KNVI also participated in other IFIP-events, amongst others the IFIP SEC 2021 (22-24th of June 2021 in Oslo, Norway: Leon Strous and Liesbeth Ruoff were one of the keynotes.

### 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.

Together with the Free University of Amsterdam (VU) we are participating in the Commission of Recommendation for a PhD study 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.knvi.nl/nieuws/444732/IT'ers-bezorgd-om-gebrek-aan-IT-kennis-in-organisaties>

Other initiatives KNVI is involved in:

- Together with *Business University Nyenrode* we organise a **Masterclass Digital Leadership**. Twice for professionals and students in the profit sector, and twice 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.

## Key activities this year – talks with policy makers

Thursday 31<sup>st</sup> of March 2022, State Secretary for Kingdom Relations and Digitalisation Alexandra van Huffelen had a conversation with the professional association KNVI. During this conversation, KNVI spoke with the state secretary about the aspects that need to be monitored in the digital society and the role of the information professional in this. After all, information professionals have a major responsibility towards society to use information technology in the right way. Van Huffelen showed earlier that she understands the importance of security - one of the aspects that an information professional has to keep in mind. During a debate, the State Secretary spoke about a digital identity that must be just as secure as the current means of identity and that citizens must have control over their digital identity.

"The digital society demands more from us," said KNVI duo chairman Paul Baak. "The bar must be raised. Good information provision is indispensable in this process and forms the basis for more understanding, knowledge and skills in the digital domains. KNVI is working hard on this. For example, KNVI has been putting the theme of Smart Humanity on the agenda for several years now, because it wants to make information professionals, governments, and companies aware of the influence and associated responsibility that comes with using information technology. To this end, KNVI organises events, meets and publishes books on various aspects of information technology.

During the meeting, the state secretary received the book 'Multidisciplinary aspects of digital security', the latest book published by KNVI. The book contains publications on digital security by various authors at home and abroad. Paul Baak, Klaas Brongers (KNVI Advisory Council), Frits Bussemaker (KNVI fellow), and Natascha van Duuren, one of the editors and also a KNVI fellow, presented the book. The book is the fifth volume in a unique series on digital phenomena, aimed at administrators, professionals and politicians. This part on digital security appeared as a sequel to the subjects digital law for IT professionals, blockchain, artificial intelligence and COVID-19 apps.

Increasing digital resilience requires a multidisciplinary approach. A total of 39 authors from the Netherlands and abroad offer insights into the broad aspects of digital security and its status quo, providing more advanced awareness and knowledge enhancement for the target audience. Digital security rightly concerns everyone and is a social obligation, according to the editors in chief.

See: <https://www.knvi.nl/nieuws/419635/PERSBERICHT-Beroepsvereniging-in-gesprek-met-staatssecretaris-digitalisering-over-verantwoordelijkheid-informatieprofessional>  
and  
<https://informatieprofessional.nl/knvi-in-gesprek-met-staatssecretaris-van-huffelen-over-verantwoordelijkheid-iper/>

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. In 2021 our KNVI-member Perry Moree was elected Treasurer of IFLA.

During the IFLA WLIC 2019 Closing Session, IFLA President Glòria Pérez-Salmerón officially announced the host location for the 87th IFLA World Library and Information Congress: Rotterdam. KNVI was very honoured to host the event, but due to Corona-restrictions the planning of the conferences is now as follows: IFLA Rotterdam 2021 is going to be an online conference, and the conference in 2023 in Rotterdam will be an off-line conference, the IFLA 2022 conference in Dublin will also be an off-line conference.

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. Since Covid, AI4Good moved online based on 'All year – Always online'. See: <https://aiforgood.itu.int/programme/>

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.

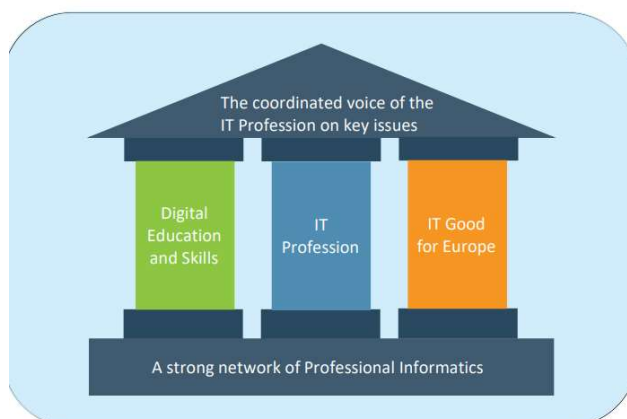
KNVI is active in the development of ecosystem around the **European e-Competence Framework (e-CF)**. KNVI is the official national professional organisation within the Dutch mirror committee **NEN TC 428** and represents the Netherlands in the **European CEN committee TC 428 Digital competences and 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.

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. On the 9<sup>th</sup> of June 2022 we organised our 2<sup>nd</sup> event on Professionalism: Robust teams: hard and soft criteria in teambuilding.

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 events, starting with an event on Requirements Management on the 25<sup>th</sup> of May 2021, Certification on the 30<sup>th</sup> of June 2021 and Masterclass Human Toolkit (9<sup>th</sup> of September 2021).

KNVI has a Memory 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 7<sup>th</sup> 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 15<sup>th</sup> 2022 both organisations sign a MoU.

In 2020 talks with the forum **De Gebruiker Centraal** have been initiated. This platform focusses on User Centered Design and Usability norms for both the public and profit sector. One of the KNVI-members is a liaison to this organisation, in 2021/2022 we explore the possibilities to work together, organise an event together, possibly resulting in an 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 Ierlant, K., Van Maanen, F., *Data Waarde Creatie, zo verdienen je geld in het digitale tijdperk*, Van Haren Publishing, Zaltbommel, 2021.

Ethics is a topic KNVI is investing in. KNVI contributes to the Dutch "**Ethical Manifesto for Architects**". The Ethical manifesto is a Dutch national initiative of the professional associations KNVI, 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>)

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/>

## 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.), Multidisciplinaire aspecten van digital security, English version, deLex B.V., 2022
- 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

KNVI published a number of **books** over the years:

- 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 Hollandsche Maatschappij der Wetenschappen (KHMW) for the **Young Talent Prices and Master thesis prices**. On the 29<sup>th</sup> of November 2021 the laudatio was spoken by Sandra de Waart (KNVI) and Robert ten Hoor, chair of the Informatics department of KIVI (see also: <https://khw.nl/verslag-prijsuitreikingen-29-november-2021/>). Prof. dr. Henk Sips – also active in IFIP technical Committee TC 10 was one of the jury members.

*Young Talent Prices Informatics and technical information science (500 euro each) in 2021 went to:*

- Bozhidar Andonov, TU Delft - TUD
- Henk Berendsen, Radboud Universiteit - RUN
- Thierry Blankenstein, Universiteit van Amsterdam - UvA
- Channa Dias Perera, Rijksuniversiteit Groningen -RUG
- Silas de Graaf, Universiteit Twente - UT
- Zsófia Katona, Vrije Universiteit - VU
- Joost van der Laan, Universiteit Utrecht - UU
- Nidhish Shah, TU Eindhoven - TUE
- Lieke Vertegaal, Universiteit Leiden - UL

*Thesis prices 2021 went to:*

1st price (3000 euro):

Zhaiyu Chen TU Delft (TUD)

'Learning to Reconstruct Compact Building Models from Point Clouds'.

Shared 2nd price (1000 Euro):

- Maaïke Los Rijksuniversiteit Groningen (RUG)  
'Choosing Fair Committees and Budgets: Proportionality in Multi-Winner Elections and Participatory Budgeting'.
- Dominik Wehr Universiteit van Amsterdam (UvA)  
'An Abstract Framework for the Analysis of Cyclic Derivations'.

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. This year's (2021) winners are:

- Best thesis: Laurie Bastememeijer, Required Listening: The effects of using audio- and karaoke books in fiction education at Dutch vmbo schools (Book and Digital Media Studies, University of Leiden)
- Best initiative in the field: PLEK3, an initiative of the library of Venlo. An innovative way to create a social environment for young people, away from home and school.

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**. 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 srevision 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 20<sup>th</sup> of September 2022 Frits will officially receive the award during the GA in Lille, France. See: <https://www.ipthree.org/newsroom/david-oleary-award-by-redds-capital/>

## 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 on 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 23<sup>rd</sup> 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.  
How do you train good ICT professionals? What is the role of education in a rapidly changing technological society? How should a university of applied sciences train for jobs that do not yet even exist? For technologies that will be different in 10 years' time? How can universities of applied sciences provide new ICT education with due regard for sustainable development goals and the wishes of the business community? It's quite a task, but new ICT education is on the right track. Anita Bosman took the audience through the way in which universities of applied sciences offer innovative ICT education.
- Themes 2022 by *Kees Verhoeven*, Bureau of Digital Affairs, former member of the Dutch Parliament for D66.  
Fortunately, digital technology is increasingly becoming a relevant topic for society and politics. It is good that digitisation is moving up the agenda, but what are we actually talking about? What are the big digital issues of today and what should we do with them? Kees Verhoeven addressed this question, in which he sees three major challenges: the superpowers, the tech giants and the control states. In other words: Amazon, the tax authorities and China. It should be clear that this alphabetical list is by no means a simple matter of policy. But there are solutions. And that is what we are going to talk about!
- Powertalk by *Chris Raghoebarsing, Pieter Izebaud & 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?

*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. 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 and Sierra Leone. See: <https://climbingtherighttree.org>
- 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.

## KNVI – representation in IFIP GA

Wouter Bronsgeest, chair of KNVI, represents KNVI in the General Assembly. After 2017 he followed up after Leon Strous handed over the GA representation. In May 2018 KNVI installed a new 'Interest Group'(SIG) 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 work 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 the group will meet. Liesbeth Ruoff is the liaison for KNVI.

In 2021 the General Assembly voted positive for the start of the **Domain Committee on Quantum Computing** (DCQC), initiated by Dimiter Velev. KNVI was one of the strong supporters of this DC.

## 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: Board member

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

### TC-1 Foundations of Computer Science

Jos C. M. Baeten

Jan van Leeuwen

Grzegorz Rozenberg

### TC-2 Software: Theory and Practice

Johan Jeuring

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

### TC 3 – Education

-

### TC5: Information Technology Applications

Hamideh Afsarmanesh

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

### TC6: Communication Systems

Aiko Pras



**TC7: System Modeling and Optimization**

Adrie J.M. Beulens

**TC8: Information Systems**

Erik Proper (Henk Sol stopped his contribution to TC8 in December 2021)

**TC9: ICT and Society**

-

**TC10: Computer Systems Technology**

Henk J. Sips

**TC11: Security and Privacy Protection in Information Processing Systems**

Abbas Shahim

**TC12: Artificial Intelligence**

Joost Kok

**TC13: Human-Computer Interaction**

Regina Bernhaupt

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

**TC14: Entertainment Computing**

Matthias Rauterberg

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



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