



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) Issuing, or facilitating the issuance of, publications relevant to the professional field;
- c) Promoting training and education;
- d) Collaboration with other domestic and international organisations;
- e) 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 Wijngaarden¹.

At the moment the 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, Antonia Wildvank, Hilde Klein.
- There are two vacancies in the board, two nominees are in the final stage of their selection period. During the General Assembly in November the two nominees will be presented to the members of KNVI.

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 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. 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/schaven-aan-de-communicatie-van-de-chatbot-20>, an article about the communication interface of chatbots, referring to an article of one of the IFIP conferences and publications.
- <https://www.agconnect.nl/artikel/prominente-knviers-beantwoorden-vragen-uit-het-vak>, an article introducing the fellows of KNVI, amongst them many Dutch IFIP representatives.

Also, TU Delft published a link to the IFIP WG 8.6 Commendable Research Paper Award of dr. Yiwei Gong and prof. dr. Marijn Janssen: <https://www.tudelft.nl/2021/tbm/research-paper-award-voor-het-verkennen-van-de-faalfactoren-van-enterprise-ict-architectuur>

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:

- <https://www.knvi.nl/nieuws/356759/DEEL-1-Interviews-Stephen-Ibaraki-met-Divya-Chandler-en-David-Beasley>
- <https://www.knvi.nl/nieuws/359495/DEEL-2-Interviews-Stephen-Ibaraki-met-John-Hennessy-en-Moira-de-Roche>

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

http://stephenibaraki.com/acm/interviews/v1220/wouter_bronsgeest_acm.html

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

Key activities this year - events

KNVI has facilitated around **50 events** in the Netherlands in 2020/2021. Due to the 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. After the summer of 2020 some off-line events for small groups have been organised, however most of the bigger events online.

Some of these events were relatively small scale or working groups of professionals getting together to discuss a specific theme. Other events were large, attracting up to almost 200 participants – even in an online setting. The real big off line events have all been cancelled in 2020 and 2021.

It took some time for the KNVI to start getting into a regular rhythm of organising online events. We hoped that all the measures taken following the Covid-measures would pay off sooner. This is not the case, and now we even prepare to go on with online events until the first quarter of 2022. If possible we try to start offline events as well. So far, hybrid events have not been very successful, due to the different ways participants interact, and combining feedback, participation and involvement of both offline and online participants. So far, the best sessions were fully offline or fully online, the latter with different activities like polls, chat-function and a varied programme to keep participants involved during the session. Our partner Skills Town is very helpful in organising these online events.

KNVI publishes articles and blogs on the Covid-measures in relation to the concepts of Smart Humanity. Examples (in Dutch) are:

- <https://www.agconnect.nl/blog/grutto-johan>
- <https://www.agconnect.nl/blog/klein-en-groot-leed>
- <https://www.agconnect.nl/blog/ai-met-een-zwart-randje>
- <https://www.agconnect.nl/blog/hoe-leuk>
- <https://www.agconnect.nl/blog/informatieprofessional-crisistijd>
- <https://www.knvi.nl/nieuws/331332/Bestuurderscolumn-Het-gaat-goed-met-me>
- <https://www.knvi.nl/nieuws/279627/Wit-Zwart>

In order to get extra focus on the online events, and make sure all members get value for money, KNVI has introduced 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.

A selection of our key events end 2020 and first half 2021 (key events in **bold**):

- ISO/NEN: Cybersecurity and Privacy (11th of September 2020)
- Architecto ergo sum? – personal development of Architects (22th of September 2020)
- Resilience and Antifragility explained (6th of October 2020)
- Successful Digital Transformation (6th of October 2020)
- Modernising data architectures (22nd of October 2020)
- Disruptive Payments (27th of October 2020)
- Digital Trends (27th of October 2020)
- Governance series #1: How to create a viable team? (28th of October 2020)

- Education & research-symposium (29th of October 2020)
- Highlights on Proof of Concepts in Municipal context (11th of November 2020)
- Interoperability beyond Semantics with the Q6FSA approach (26th of November 2020)
- **Smart Humanity** (30th of November 2020)
- Governance series #2: Lean and Agile Governance (9th of December 2020)
- Experiences in e-Health during Corona times (17th of December 2020)
- Design for sustainability (20th of January 2021)
- Governance series #3: How to manage change in 2021... is that even possible? (27th of January 2021)
- Corona collections (28th of January 2021)
- **Super Tuesday**: Cybersecurity and effects of Ransomware attack on University of Maastricht (3rd of February 2021)
- Organisations and IT- manoeuvrability – using the DEMO method (18th of February 2021)
- The future of social security numbers- and registration(s) (25th of February 2021)
- Governance series #4: Governance & Smart Humanity – how to combine them? (3rd of March 2021)
- **Super Tuesday**: Digital Transformation (4th of March 2021)
- Intersection Toolkit – a collaborated approach for EA/Enterprise design (16th of March 2021)
- Governance series #5: Dangers of project success (24th of March 2021)
- **Super Tuesday**: Transformation from Industry 4.0 to 5.0 (6th of April 2021)
- Software architecture explained (7th of April 2021)
- Governance series #6: Empowerment and governance (14th of April 2021)
- Book presentation 'Digital Trends'(15th of April 2021)
- Modernising Laws and Regulations on Archives (20th of April 2021)
- Never back to the office after C? (20th of April 2021)
- From boring data to beautiful visualisation (21st of April 2021)
- **SR Vision Webinar**: High Velocity Flow (21st of April 2021)
- Process mining in python: pm4py (22nd of April 2021)
- Value method and trend analysis for archives (29th of April 2021)
- **Super Tuesday**: Digital Transformation (4th of May 2021)
- Future lab (7th of May 2021)
- Financial emergency brake: blockchain and CJIB (11th of May 2021)
- Governance series #7: Autonomy & Agile&Scale (12th of May 2021)
- MLOps – Machine Learning in production (18th of May 2021)
- Aiming for results in Digital Transformations (20th of mat 2021)
- Office 365 and durable archives in government (27th of May 2021)
- **Super Tuesday**: Digitalisation of Education (1st of June 2021)
- Data driven change management in the social domain (3rd of June 2021)
- Future lab (4th of June 2021)
- CogniGron – finding the future computer based on the human brain (8th of June 2021)
- **SR Vision Game**: Mars lander (9th of June 2021)
- Information management and e-learning (15th of June 2021)
- As far as one can travel – information: borders or no borders? (*15th of June 2021)
- Governance series #8: Thinking out of the box (16th of June 2021)
- 10 beginners mistakes in data management (22nd of June 2021)
- Developments in the eHealth domain (23rd of June 2021)
- Information and archiving (24th of June 2021)
- Artificial Intelligence (29th of June 2021)
- Future lab (2nd of July 2021)
- Advanced Technologies for Industry (5th of July 2021)
- **Super Tuesday**: Smart People, Smart Cities (6th of July 2021)
- **Super Tuesday**: Summer session: self-reflection and working on your CV (3rd of August 2021)

Following the successful **National Debates** -in co-operation with First life- on the effects of *Blockchain* (14th of May 2019) and one on *Artificial Intelligence* (8th of October 2019), the KNVI plans to organise new debates end of 2021 of 2022, depending on the possibilities. These debates are organised and co-hosted by our Interest Group IT & Law (Victor de Pous and Natascha van Duuren c.s.).

IFIP events in NL in 2020/2021

For 2020/2021 one IFIP-event was scheduled to take place in the Netherlands:

IFIP Internet of Things 2020 (IoT 2020), 5 – 6 November 2020. See: URL: <http://ifip-iotconference.org>

While the 3rd IFIP IoT Conference was planned to take place in Amsterdam, The Netherlands, due to the pandemic situation, it was decided to postpone the physical conference until 2021 and instead organise a virtual conference with invited talks in 2020. Unfortunately the situation in 2021 has not improved sufficiently to organise the event as physical event and therefore it was decided to have the 2021 edition of the IoT conference also virtual. Given the risks and disadvantages of a hybrid event mentioned elsewhere in this report, it was decided not to go for a hybrid version.

Special attention has been paid to the IFIP jubilee year 2020, resulting in an extra effort of Dutch members of IFIP bodies to contribute to the IFIP 60th anniversary book and to events.

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).

During the SEC 2021 event in June 2021, Liesbeth Ruoff participated in the 60 Years IFIP panel discussion, and spoke about 'Peers & Knowledge' principle of KNVI. In preparation later this year KNVI is in the lead for a session of ITPE and IP3 for IFIP60 on the theme: Never waist a good crisis: developing a trustworthy digital ecosystem.

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 Corona created the hurdle. 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'. I.e. since spring 2020 ITU organized a series of Webinars averaging about 6 a month. 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 events. On the 28th of October 2020 in the Smart Society event, celebrating 10 years of iPoort, Frits Bussemaker stopped during this session his 10-year involvement building up iPoort, and started a new position as member and chair of the Advisory Board of iPoort. KNVI-chairman Wouter Bronsgeest gave a presentation on the

Smart Humanity concept. On the 26th of March 2021 iPoort organised a session and debate about the possible introduction of a Minister for Digitalisation in the Netherlands.

Furthermore, 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**. Furthermore 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)**. KNVI-member Jos Timmermans was a board member of CEPIS (term of office: 2017-2020). The main goal/target of CEPIS is to "Promote Best Practice for IT Professionals and Users Throughout Europe". To achieve this goal, the activities of CEPIS are centred around 4 pillars.

1. High Standards for IT professionals
2. Growing the pool of future IT Professionals
3. Digital Competence for the Workforce
4. IT Good for Europe.

Within these 4 pillars workgroups and meetings are organized in which KNVI members participate. One of the activities of CEPIS is the creation 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>

KNVI participated in activities in the Netherlands for the **European Computer Driving Licence (ECDL)**. KNVI used to be the owner of the national licence for ECDL, but in 2020 this ownership was transferred back to the foundation in Ireland. The number of ECDL-exams in the Netherlands was getting very low. Partly because other initiatives have taken over this part of the market, partly because the link to the boards of institutes for higher education have been less of a focus point for the organisation taking care of the exploitation of the EDCL licence on behalf of KNVI. ECDL has been developed into a more modern and extended version, the **iCDL (International Computer Driving Licence)**. The foundation takes care of the exams in Europe, and thus in the Netherlands. KNVI helps to extend the network to schools and institutions in the Netherlands.

The KNVI has regular talks with policy makers. A selection of initiatives:

- Involvement in the **Dutch Digital Delta (DDD)** of the Ministry of Economic Affairs. Part of this programme is the *Dutch Blockchain Coalition* and the *Human Capital Agenda (HCA)* of the Netherlands.
- Together with *Business University Nyenrode* we organise a **Master class 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>)
- Support of the *Secure Software Development (SSD)* manifest of the Centrum Informatiebeveiliging en Privacybescherming (CIP)

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 2020 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 26th of November 2020 this resulted in an online event on Professionalism.

With the **Genootschap voor Informatie Architecten (GIA)** and **Nederlands Architectuur Forum (NAF)** our KNVI-interest group Architecture has been joining forces since a long time. In 2020 this resulted in a joint event on the 17th of December 2020 on the Competencies of Architects.

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 25th of May 2021 and Certification on the 30th of June 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 also initiated talks with the Dutch **Alliance for Digital Society (ADS)**. Later in 2021 we hope to sign a MoU with this organisation as well.

Via our fellow Frits Bussemaker KNVI is also involved in the organisation of **INNOvember.nl**, a Dutch initiative for the public sector to discuss the impact of technology and innovation.

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.

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.

Together with the **EXIN Foundation** talks have been initiated, resulting in 2020 in an extra financial impulse for KNVI. With extra project budget KNVI can start two 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 will contribute to a book about digital transformation, to be published on the 3rd of September 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 partnership allows both organisations to participate in each other's events, and allows members to use the respective knowledgebase of both organisations. Furthermore KNVI will work 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/>

KNVI has published the '**IT manifest for Government**' in 2015, 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 will be renewed in the 2nd half of 2021, based on the sessions on the innovation of Archives (KIA/KNVI partnership).

Key activities this year - books

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

Soon to be expected:

- Duuren, N. van, Pous, V. (ed.), Multidisciplinary Aspects of Covid-19 apps, English version. deLex B.V, 2021

For the English online versions of the book series “Multidisciplinary aspects of” it is being investigated whether these can be made available free to read and download via the IFIP Digital Library.

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**.

Young Talent Prices Informatics and technical information science in 2020 went to:

- Tuhin Das (Technische Universiteit Delft – TUD)
- Younes Hamdoud (Universiteit van Amsterdam - UvA)
- Hongyu He (Vrije Universiteit Amsterdam - VU)
- Iris Kamsteeg (Rijksuniversiteit Groningen – RUG)
- Yevhen Khavrona (Universiteit Twente – UT)
- Tim van de Klundert (Technische Universiteit Eindhoven – TUE)
- Thomas de Mol (Universiteit Leiden – UL)
- Merijn Schepers (Universiteit Utrecht – UU)
- Alexander Wolters (Radboud Universiteit Nijmegen – RUN)

Thesis prices went to:

1st price:

Remi Brandt (Rijksuniversiteit Groningen – RUG)

Efficient Binocular Stereo Correspondence Matching with 1-D Max-Trees

2nd price:

Sophie Lathouwers (Universiteit Twente – UT)

Reasoning about the correctness of sanitizers

3rd price:

Hilde Weerts (Technische Universiteit Eindhoven – TUE)

Interpretable Machine Learning as Decision Support for Processing Fraud Alerts

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 (2020) winners are:

- Victorine van Schaik Penning for best publication: Cornelis van Lit for his book: Among Digitized Manuscripts; Philology, Codicology, Palaeography in a Digital World (open access).
- Best thesis: Helena Schöb - The simulacrum is true – on the digital materiality of virtual cultural heritage projects. (Book and Digital Media Studies, University of Leiden)
- Best initiative in the field: The Intro, a blog of the (music)library of Gent, Belgium.
- Oeuvre price: Eimer Wieldraaijer, editor in chief of the Bibliotheekblad.

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 Boersprijs**. Award winners are:

- 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

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

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.

TC 428 organises many expert group sessions, KNVI-members take part in the sessions.

- Bramjan Mulder as expert in the workgroup developing the ethic part of the e-CF standard ecosystem
- Paul Willockx as external expert in the workgroup looking at the user experience part of the e-CF standard ecosystem
- Anneke Hacquebard: external expert in the workgroups looking at education, assessment and curriculum development workgroups part of the e-CF standard ecosystem
- Liesbeth Ruoff, on behalf of KNVI and IP3: external expert within Data science: Edison project, expert workgroups around Body of Knowledge, User experience and ICT curriculum guidelines
- KNVI also joins more informal working groups in order to do further research into themes like e-leadership, Digiframe, Women in ICT, EuroDig.

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
- 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
- Perry Moree
- 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 are investigating the opportunity for our publications to be published in the IFIP Digital Library (DL).

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

TC 3 – Education

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TC5: Information Technology Applications

Hamideh Afsarmanesh

TC6: Communication Systems

Aiko Pras

TC7: System Modeling and Optimization

Adrie J.M. Beulens

TC8: Information Systems

Henk Sol

TC9: ICT and Society

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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

TC14: Entertainment Computing

Matthias Rauterberg

