

TNC18 - AT THE COOL EDGES OF INTERNATIONAL NETWORKING

TNC18, Trondheim, Norway, 10-14 June 2018

The largest European research networking conference is preparing for another inspiring community event. With its stimulating title “Intelligent networks, cool edges?” the TNC18 programme, with its sessions, demonstrations and talks will certainly get your synapses firing.

Over the years, Research and Education networks have evolved from dedicated connectivity providers to pioneering above the net service architects and innovation enablers. Empowering future generations to shape their success and solving global challenges is at the heart of our shared mission.

TNC18 will present ideas and concepts across a variety of thought provoking sub-themes from the responsibility of sustainability and delivery, to the power of data analytics, the creation of intelligent complexity, and networking at the speed of science.

THE WORD OF THE HOST

Ingrid Melve, Technical Director, ICT Services for Research and Education for UNINETT and Chair of TNC18 Programme Committee, is looking forward to welcoming you in Trondheim. Here are her reasons why you should come to TNC18:



TNC18 in Trondheim, Norway, presents a unique opportunity to meet all key stakeholders in Research and Education networking; from e-infrastructure to data intensive research activity and network suppliers or funding bodies: all your peers will be there. The conference is a mixture of plenary sessions, parallel sessions, workshops, meetings and informal discussions; the programme will update you on international trends and opportunities in Research and Education networking. Trondheim is the tech capital of Norway, and home of UNINETT: we welcome you to the edge of Europe, where summer nights are light, and technology evolves.

Learn more at: tnc18.geant.org
Contact: tnc18@lists.geant.org

INSIDE THE PROGRAMME COMMITTEE

The TNC18 Programme Committee is an international group of experts in Research and Education networking committed to providing a forum for our community to collaborate and advance science for the benefit of all. All members had the difficult task of structuring the conference programme and designing the final sessions after co-reviewing the submitted papers online and were also faced with tough decisions due to the high calibre of all the submitted proposals, received in record number this year.

Here are some interesting facts and figures:

- 50 Side meeting requests submitted
- 20 Demonstrations submitted
- 121 Proposals for sessions / presentations submitted
- 6 Confirmed keynote speakers
- 24 Sessions created

Earth Observations, Privacy, Responsible Education, Intelligent Networks, Orchestration, Security, Cloud Futures are just some of the subject areas included in TNC18's session themes. Such a wealth of themes and talent promises to generate stimulating debates, create new international collaborations, strengthen the networking community and enhance the prestige of GÉANT's flagship conference as a result.

Mirjam Kühne, Senior Community Builder at the RIPE NCC, remembers how the Regional Internet Registry first found a home at what is now GÉANT:



“The RIPE NCC was originally born out of the NREN community in the early 1990s, and it's great to see that our collaboration with GÉANT and TNC continues to this day. Even though the RIPE community has evolved and grown significantly since those early days, NRENs remain an integral part of our community and we're increasingly reaching out to the academic world, particularly during TNC. What I especially like about TNC is the mix of academia and networking, science and operations, and the occasional oddball topic - a great place for a community builder!”

tnc18 Trondheim, Norway
10-14 June 2018
Intelligent networks, cool edges?



Trondheim



2018 GÉANT COMMUNITY AWARD

Nominations are now open for the 2018 GÉANT Community Award. The winner will be selected by a panel of judges from within the GÉANT community and will be announced at TNC18.

AWARD CATEGORIES

The GÉANT Community Award welcomes submissions in the following three award categories:

- Initiators of significant new ideas or improvements which have had lasting impact on the organisation, project or community.
- Impactful contributors to the GÉANT project or wider community activities over a sustained period of time.
- Outstanding contributions to the project or community which have immediately led to significant and recognisable new ideas, developments or improvements over the last 12 months.

HOW TO NOMINATE

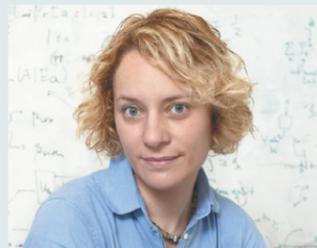
A maximum of two submissions per person will be accepted; if more nominations are submitted, only the first two complete forms will be taken into account. The nomination form is available online: <https://www.surveymonkey.com/r/2018communityaward>.

Deadline for nominations is midnight CET on Friday 16 March, we encourage you to take this opportunity and nominate a colleague or a member of your community that you think deserves recognition for their contributions to Research and Education networking in Europe and further afield.

KEYNOTE SPEAKERS

Through keynote speeches TNC18 presents participants with a unique overview of the latest developments in Research and Education networking, both in the technical field and in the area of application management. Ranging from networking in extreme environments to security of connected medical implants and quantum technology, TNC18 covers a wide variety of inspiring topics by renowned experts in their fields.

This year's keynote speakers are:



STEPHANIE WEHNER

Professor in quantum information at the Technical University of Delft, Stephanie is one of the founders of QCRYPT, the largest conference in quantum cryptography. From 2010 to 2014, her research group was located at the Centre for Quantum Technologies, National University of Singapore, where she was first Assistant and later Associate Professor. Stephanie's presentation will introduce us to the world of quantum internet. What is a quantum-based Internet good for? Why is quantum communication so powerful? What does quantum communication change about the way we communicate?



MARIE MOE

Research Manager at SINTEF, the largest independent research organisation in Scandinavia, Marie has a PhD in information security. She is also an Associate Professor at the Norwegian University of Science and Technology. She has experience as a team leader at the Norwegian Cyber Security Centre NorCERT. Marie's keynote speech focuses on her current research on the security of her own personal critical infrastructure, an implanted pacemaker that is generating every single beat of her heart.



HELGE STRANDEN

Senior Advisor on ICT & HPC physical infrastructure at UNINETT, Helge will give us an insight on the challenges faced in the deployment and management of optical networks for research purposes in arctic environments. Helge's keynote address will feature live video footage from UNINETT's subsea cable project where 2x270 kilometres of optic cable was laid on the seabed outside Svalbard, an arctic archipelago located between mainland Norway and the North Pole.



MEOLI KASHORDA

Executive Director of Kenya Education Network (KENET), the National Research and Education Network of Kenya. Meoli is also a Professor of information systems at United States International University - Africa (USIU) in Kenya. Meoli's keynote presentation will describe how KENET has been able to overcome the obstacles of lack of adequate road/electricity infrastructures, limited penetration of fibre networks, and low network engineering skills to build a high-speed network.



ALEXANDRA BECH GJØRV

President and CEO of SINTEF, the largest independent research institution in Scandinavia. In addition to playing leadership roles at organisations such as Statoil and Norsk Hydro, Alexandra has also served on the board of a range of industry, energy and media companies in Norway and internationally. Alexandra's keynote presentation focuses on the impact of the digital transformation on research organisations and the everyday research of all its scientists and researchers.



ANDREW WOODS

Senior Research fellow at Curtin University in Western Australia, Andrew is an experienced engineer and a technical manager with a strong background in stereoscopic 3D imaging, visualisation, 3D reconstruction, 3D cameras and displays. Andrew's keynote address presents the Sydney-Kormoran Project, a multidisciplinary project combining deep-water imaging, supercomputing, image processing, advanced visualisation and history to tell the story of two of Australia's most significant shipwrecks.