Program

DeiC Konferencen 2026

27. okt 2026

09.00 - 10.00



Registrering, morgenkaffe, hils på sponsorerne

10.00 - 10.30



Sal A: Åbningssession: Velkommen til DeiC Konferencen 2026

Kristine Stenhuus, formand, DeiCs bestyrelse
Kristine Stenhuus er forhenværende koncerndirektør i ATP og har derudover en lang række ledende stillinger i den danske it-branche bag sig. Disse tæller blandt andet posten som Managing Director i konsulent- og rådgivningsvirksomheden Accenture, Corporate Vice President i NNIT og ledende roller i KMD, IBM Danmark og Maersk Data.

Hun har desuden erfaring med universitets- og bestyrelsesledelse og er i dag bestyrelsesmedlem på IT-Universitetet. Derudover er hun tidligere medlem af Statens It-råd og har været bestyrelsesmedlem i DI Managementrådgiverne.

Martin Bech, Konstitueret direktør og divisionsdirektør, Forskningsnet, sikkerhed og services, DeiC
Martin Bech har været chef for DeiC forskningsnettet siden 2001. Han har spillet en vigtig rolle for udviklingen af den digitale forskningsinfrastruktur i Danmark - herunder Forskningsnettet, DKCERT, Uni-login og sundhedsdatanettet, -og er aktuelt engageret i bl.a. Polar Connect og DeiCs bidrag til kvantenetprojekter.

10.30 - 11.00



Sal A: Opening Keynote by Lise Fuhr, CEO, GÉANT

Lise Fuhr
CEO, GÉANT

Digital sovereignty, ubiquitous connectivity, security, and resilience - in an increasingly turbulent landscape, Europe's research and education community must balance openness with all these areas. Reflecting on the theme of "Digital Research Infrastructure in a Turbulent World", this keynote emphasises how digital research infrastructure can remain trusted, accessible, and robust amid growing hybrid threats, supply chain vulnerabilities, and evolving regulatory demands.

Drawing on the unique collective experience of GÉANT and NRENs, the presentation highlights how a strong and interconnected community is responding to these challenges through trusted collaboration, long-standing partnership, and shared infrastructure. From sovereignty-focused procurement guidelines and innovative fibre-sensing capabilities to enabling Europe's emerging HPC, AI and quantum ecosystems, the keynote shows how community-driven infrastructure is delivering resilience at scale.

This keynote will be in English.

Lise Fuhr
Lise joined GÉANT as CEO in November 2024. Before joining GÉANT, Lise served as Director General of ETNO (now Connect Europe), the Brussels-based association representing Europe's leading telecom operators, for nine years.

In August 2022, Lise became a member of the United Nations Internet Governance Forum Leadership Panel. From 2024-2025 she was Chair of the Danish cyber security organisation "Security Tech Space". Between 2017 and 2024, Lise was a Board member of European cyber security Organisation (ECSO). From 2016-2022 she served as Chairwoman of the Boards of Public Interest Registry (.org domain name registry) and the Public Technical Identifiers (PTI), formerly IANA, and affiliate of ICANN. Lise has rejoined the PTI board as Chairwoman for a three-year term.

From 2009 to 2016, Lise was Chief Operating Officer of DK Hostmaster and DIFO, the company managing .dk domain names. From September 2014 to October 2016, Lise also chaired the Cross Community Working Group for the IANA Stewardship Transition, building on her strong network within the internet community.

Lise has over 20 years of experience within the internet, technology, and telecoms industries and is a lifelong member of ATV, the Danish Academy of Technical Sciences, an independent think tank.

11.15 - 11.45

Pause

11.45 - 12.30

Sal A: NY KEYNOTE: Op mod 200.000 CPR-numre eksponeret - hvad kan vi lære af det?

Anders Fosgerau, CISO, DTU

Anders Fosgerau, CISO på DTU, beretter dels om hvad der faktisk foregik, dels om udfordringerne for organisationen og hvad vi alle kan uddrage af erfaringer fra sådan en hændelse.

12.30 - 13.30



Frokost

Konferencens fælles frokost foregår i Restaurant Taste of Comwell.

13.30 - 14.00



Sal B: AI tools are not the goal - a prosperous future is

Marie Helene Andersson, Managing Director of Danish Data Science Academy

As AI adoption accelerates, much of the discussion focuses on equipping everyone with AI tools. But applying AI is not the destination by itself. The real objective is to create better outcomes for research, public services, healthcare, industry, and society. As data, computational capabilities, and AI increasingly cut across disciplines, the ability to understand each other's languages, challenges, and opportunities becomes a critical success factor.

This talk will draw on examples from different fields such as medicine, psychology, and economics, exploring how innovation emerges from the interplay of talent, data ecosystems, organizational processes, and computing resources. Rather than asking how we can create more AI users, this session asks a more important question: how can we create the conditions for the future we actually want to live in?

Marie Helene Andersson is heading up the DDSA secretariat and sets the direction in collaboration with the DDSA Board of Directors. She engages with the wider data science community from academia, industry, and the public sector. Marie Helene holds a Master of Science in Biochemistry from the University of Copenhagen and has over 20 years of experience in the biotech sector and pharmaceutical industry. She has extensive knowledge in data science and strategic leadership, driving the digital, data, and AI agenda at Ferring Pharmaceuticals and LEO Pharma, and now as managing director at Danish Data Science Academy.

This presentation will be in English.

13.30 - 14.00



Sal A: The Lion Cage Project: Digital Vulnerabilities in Modern Software-Defined Vehicles

Arild Tjomsland
Senior Advisor, University of South-Eastern Norway

The Norwegian transport system now contains an unusually high concentration of software-defined vehicles whose software is developed and maintained by companies that may be subject to political pressure from states outside Norway’s security alliances. What risks does this create?

The Lion Cage Project is an independent research and security initiative investigating the security and privacy implications of increasingly connected vehicles. Through technical analyses, penetration testing, OSINT, and scenario-based risk assessments, the project examines how digital dependencies and supply chains affect modern transport systems. Led by Tor Indstøy of Telenor Group and Arild Tjomsland of University of South-Eastern Norway, the project gained international attention in 2025 after publishing findings from an examination of two of Ruter’s electric buses.

Its work highlights how critical sectors such as transport, logistics, agriculture, and food supply increasingly depend on the same connected technologies, contributing to the broader discussion on how smaller nations can maintain strategic autonomy in a world shaped by great-power technologies.

Arild Tjomsland
Arild Tjomsland is a senior advisor at the University of South-Eastern Norway, working at the intersection of sustainability and preparedness at KOIN (Institute for Commercialization and Innovation). He was educated at the Institute of Industrial Design at the Oslo School of Architecture and Design, as well as at Politecnico di Milano in Italy, and has extensive experience as a consultant in innovation, process management, business development, design, and strategy. Tjomsland is the project manager of the Lion Cage Project and a board member of Sustainable Autonomous Mobility Systems (SAMS).

This presentation will be in English.

13.30 - 14.00



Sal C: Building a Semantic Layer for Knowledge-centric Research Infrastructures

Txell Amigó, Staff Scientist
Novo Nordisk Foundation Biotechnology Research Institute for the Green Transition (BRIGHT), DTU

Research infrastructures increasingly connect instruments, laboratory management systems, databases, cloud environments, and computational workflows. Yet research data is still scattered, and context is often lost. Without shared meaning and context, data may be stored in the digital infrastructure but cannot necessarily move effectively through it, remaining difficult to connect, interpret, and genuinely reuse over time, across platforms, scientific domains, and organizations.

We built a semantic layer that provides shared meaning and context to research data, standardizing data and metadata to make it interoperable, reusable and readily accessible to agentic and knowledge-driven systems.

Ontologies are the foundation of the semantic layer, and we at the Novo Nordisk Foundation Biotechnology Research Institute for the Green Transition (BRIGHT) biofoundry developed and integrated PREFER, an open-source ontology defining the terms, relationships, and logic around precision fermentation to standardize the whole process from idea to product.

Txell Amigó
Txell Amigó is a Staff Scientist at the Novo Nordisk Foundation Biotechnology Research Institute for the Green Transition (BRIGHT) at DTU, specializing in knowledge engineering. She builds semantic layers for data infrastructure using ontologies and knowledge graphs to make heterogeneous data interoperable and FAIR. With a background in microbiology, bioinformatics, and ontology engineering, she works at the intersection of life sciences and data engineering. Txell developed PREFER and is exploring its application within BRIGHT's Informatics Platform, focusing on knowledge-centric architectures and the role of semantic technologies in building scalable research infrastructure for advanced AI.

This presentation will be in English.

14.00 - 14.30

Sal A: The Lion Cage Project: Digital Vulnerabilities in Modern Software-Defined Vehicles (Fortsat)

Arild Tjomsland
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14.00 - 14.30

Sal B: Dansk kvanteteknologi. Trusler og imødegåelse ved Politiets Efterretningstjeneste (PET)

Introduktion til oplæg ved Henrik Navntoft Sønderskov, kvantechef i DeiC

Få et unikt indblik i, hvordan PET arbejder med kvanteteknologi i et trusselsbillede, der er under konstant forandring. Oplægget er målrettet forskere, industri og andre med interesse for kvanteteknologi. Oplæggets formål er at give indblik i PETs perspektiv på sikkerhed inden for kvanteteknologi.

Sikkerhed spiller en central rolle i regeringens strategi for kvanteteknologi. Derfor samarbejder DeiCs kvanteafdeling tæt med PET om rammerne for de initiativer, som DeiC driver under kvantestrategien.

Af hensyn til sikkerheden omkring PETs personale vil oplægsholderens navn ikke fremgå af programmet.

14.00 - 14.30

Sal C: The Role of ERIC Research Infrastructures in Advancing FAIR and Open Science

Irena Vipavc, CESSDA and Costanza Navarretta, CLARIN DK, KU

This session explores how European Research Infrastructure Consortia (ERICs) contribute to making FAIR a reality. Through perspectives from CESSDA and CLARIN-DK, participants will gain insight into how research infrastructures support researchers throughout the data lifecycle, develop community standards, and enable data sharing and reuse across disciplines and national borders.

The session begins with an overview of the broader European Open Science landscape and the role of ERICs in promoting trustworthy and sustainable research infrastructures. It then moves to practical experiences from CLARIN-DK, illustrating what FAIR implementation looks like in practice, including lessons learned from supporting researchers, improving accessibility and interoperability, and facilitating international collaboration.

A joint discussion will compare approaches across different infrastructures, highlighting both common challenges and emerging opportunities. Topics will include trustworthiness, reproducibility, sustainability, evolving FAIR requirements, and the future role of ERICs in supporting an increasingly interconnected European research ecosystem.

This presentation will be in English.

14.30 - 15.00



Sal A: Digital Sovereignty - Mission (Im)Possible?

Kaj Grønbæk
Professor and Head of Department, Department of Computer Science, Aarhus University

Abstract :

Digital Sovereignty has become high on the agenda in Denmark and Europe due to the geopolitical situation. Europe has been leaning back and consuming free or licensed software from the US. Europe has mainly focused on IT R&D to develop tools to boost the traditional manufacturing industry, emphasized by SAP being our biggest Tech Giant in Europe.

In order to work towards more Digital Sovereignty, we need to shift our IT R&D mindset towards software as a driver for innovation. Europe has the talent and excellent research groups in Computer Science and Engineering to build on, but they need scaling and serious investments to grow the "human capital" that can make us competitive in Europe.

The talk will support the above with examples and numbers from recent analysis.

Kaj Grønbæk

Professor at Department of Computer Science, Aarhus University since 1999. Research areas: Human - Computer Interaction, Hypermedia, Interactive Spaces, Augmented Reality, Visual Analytics. Member of ACM SIGCHI Academy. Head of Department of Computer Science, AU, since 2018.

This presentation will be in English.

14.30 - 15.00

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15.00 - 15.30

Pause

15.30 - 16.00



Sal A: National cybersikkerhed: Etablering af en national CSIRT og hvordan den vil adressere et stadigt mere komplekst trusselsbillede

Morten Bro
Projektejer, Styrelsen for samfundssikkerhed

Hvordan etablerer man en nationalComputer Security Incident Response Team (CSIRT), der skaber reel værdi i et stadig mere komplekst trusselsbillede? SAMSIK sætter i dette oplæg fokus på udviklingen af Danmarks nationale CSIRT i lyset af NIS2 og belyser, hvordan CSIRT'en skal balancere mellem incident response, situationsforståelse og tværgående krisehåndtering med udgangspunkt i samarbejde med de kritiske sektorer i Danmark.
SAMSIK vil desuden præsentere det aktuelle trusselsbillede for Danmark og uddannelses- og forskningssektoren og vil lægge op til en drøftelse af, hvordan et komplekst trusselslandskab gennem CSIRT'ens arbejde kan blive mere konkret og styrke sikkerhedsfunktionerne og dermed cyber- og informationssikkerheden i sektoren.

Morten Bro er projektejer for etableringen af Danmarks nationale CSIRT i Styrelsen for Samfundssikkerhed (SAMSIK). Han er ansvarlig for overdragelsen af den nationale kapacitet til håndtering af cyberhændelser samt udviklingen af Danmarks fremtidige operative cyberkapaciteter.

15.30 - 16.00



Sal B: Er forskningsnettet klar til en krise? En overflyvning over forskningsnettets suverænitet og robusthed.

Martin Bech
Divisionsdirektør, DeiC Forskningsnettet

Martin Bech har været chef for DeiC Forskningsnettet siden 2001. Han har spillet en vigtig rolle for udviklingen af den digitale forskningsinfrastruktur i Danmark - herunder Forskningsnettet, DKCERT, Uni-login og sundhedsdatanettet og er aktuelt engageret i bl.a. Polar Connect og DeiCs bidrag til kvantenetprojekter.

15.30 - 16.00



Sal C: Launching EuroHPC's Federation platform

Presentation by Pekka Lehtovuori
Director, Advanced Computing Facility, CSC, Finland

Learn about the key features of the newly launched EuroHPC federation platform and its role in fulfilling the ambitions for both easy access to advanced infrastructures and solid security.
The platform federates a wide spectrum of components into an integrated solution for single-sign-on, allocation, direct access, interactive use, a federated software catalogue, advanced workflows, data transfer and more.

Pekka Lehtovuori, PhD. is Director at CSC - IT Center for Science. He is responsible for the operations and development of Finland's national High Performance Computing and Cloud Computing environments, as well as EuroHPC LUMI and LUMI AI systems. He has been active in European computing infrastructure activities for close to twenty years. Lehtovuori leads the implementation and operations of the EuroHPC Federation Platform.

This presentation will be in English.

16.00 - 16.30

Sal A: National cybersikkerhed: Etablering af en national CSIRT og hvordan den vil adressere et stadigt mere komplekst trusselsbillede (Fortsat)

Morten Bro
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16.00 - 16.30



Sal B: MediaCMS i praksis: Et moderne alternativ til eksisterende videohostingsystemer.

Lars Nellemann, pædagogisk IT-vejleder, Danmarks Medie- og Journalisthøjskole
Thorkild Jensen, Projektleder, DeiC

MediaCMS er et nyt mediehåndteringssystem til uddannelsessektoren, der peger i en tiltrængt retning for open source-projekter i en tid med øget fokus på digital suverænitet. Platformen er brugercentreret og prioriterer brugervenlighed, enkle arbejdsgange, institutionel autonomi og behovsdrevet udvikling.

MediaCMS er et fuldt funktionelt videohostingsystem til institutioner, der ønsker at understøtte brugerfokuserede arbejdsgange, herunder tidskritisk optagelse, redigering og publicering, og samtidig reducere afhængighed af eksterne leverandører. MediaCMS fremmer derved både udbredelse ved institutionen, konkurrence, åben systemudvikling og reel indflydelse på egne digitale løsninger.

Lars Nellemann er Pædagogisk IT-vejleder på Danmarks Medie- og Journalisthøjskole, hvor han arbejder med digitalisering, support, kompetenceudvikling og implementering af nye teknologier. Primært hjælpes undervisere og administrative medarbejdere med at skabe værdi i det daglige arbejde. Målet er at bygge bro mellem teknologi, læring og organisation.

Thorkild Jensen har i mere end to årtier været applikationsspecialist ved Forskningsnettet og DeiC. Thorkild har været med til at drive udviklingen fra de første spæde videomøder for nogle få udvalgte til de fleksible, hverdagsagtige videomøder og virtuelle samarbejdsløsninger, som i dag er en naturlig del af vores alles arbejdsdag. I det seneste årti har en særlig opgave bestået i at skabe bro mellem videomøder, optagelse og videohosting og derved sikre de bedste arbejdsgange for automatisk transskription, opsummering, læring og analyse.

16.00 - 16.30



Sal C: EuroHPC at a Glance: What it Does and Where You Can Engage

Mads Engelund

Programme Officer, R&I Team, EuroHPC JU

Abstract: The EuroHPC Joint Undertaking pools EU and national resources to build Europe’s supercomputing, AI and quantum computing ecosystem. This talk gives an overview of its main activities and, for each, where Danish researchers, companies and public bodies can take part.

Infrastructure. EuroHPC operates a fleet of supercomputers, including LUMI, in which Denmark is a partner. A growing network of AI Factories serves startups, SMEs and scientific AI users. Since June 2026, EuroHPC quantum computers have also been open to users. Access to all of these is free for eligible users through EuroHPC’s access calls, and DeiC can advise on these alongside national allocations.

Research and innovation. EuroHPC funds projects in HPC technologies, applications, quantum, and skills. The Centres of Excellence are a key resource. Users can consult existing Centres for domain and technical expertise, and groups with distinctive strengths can set up a Centre of their own through EuroHPC calls.

Skills and support. Training programmes and the network of National Competence Centres help new users get started.

Governance and community. Denmark is represented on the EuroHPC Governing Board, and users can raise unmet needs through the Danish board members. The User Forum and the annual User Days also give users a voice.

Mads Engelund is a Programme Officer at the European High-Performance Computing Joint Undertaking (EuroHPC JU) in Luxembourg, where he works on the programmes and grants that give Europe's researchers and companies access to supercomputing and AI resources. He holds a PhD in Engineering Physics from DTU, where he simulated quantum vibrational transport through nanowires. He then developed scientific software at QuantumWise in Copenhagen, did postdoctoral research at Centro de Física de Materiales in San Sebastián, and spent nine years running a company building software for computational materials simulations.

This presentation will be in English.

16.30 - 17.00



Sal A: SikRef Get-Together

Vært
Eskil Sørensen
Forretningskonsulent, DKCERT

SikRef er DKCERTs sikkerhedsreferencegruppe for sikkerhedsteknikere ved universiteterne. Vi mødes ca. fem-seks gange om året og drøfter bl.a. aktuelle problemstillinger, trusler, hændelser og videreudvikling af DKCERTs tjenester.
Ved dette uformelle get-together evaluerer vi årets hidtidige SikRef-møder og drøfter emner for kommende. Desuden samler vi op på de hidtidige oplæg på sikkerhedsdagsordenen, der har været indtil nu på konferencen.

Eskil Sørensen har været en del af DKCERT siden 2020 og arbejder med at udvikle og udbrede cybersikkerhedsløsninger til uddannelses- og forskningssektoren. Han står desuden for DKCERTs nationale og internationale netværkssamarbejder, herunder i FIRST og TF-CSIRT.

16.30 - 17.00



Sal B: Netforum Get-Together

Vært
Martin Bech, konstitueret direktør og divisionsdirektør, Forskningsnet, sikkerhed og services, DeiC

Netforum er DeiCs referencegruppe for Forskningsnettet, tjenester og sikkerhed og består af ledelsesudpegede repræsentanter fra institutionerne.
Dette uformelle get-together er åbent for alle med interesse for området, ikke kun medlemmer af Netforum. Kom forbi, tag en forfriskning med, og mød kolleger på tværs af sektoren. Benyt lejligheden til at dele erfaringer, drøfte aktuelle emner og få direkte indflydelse på de områder, som Netforum arbejder med.

16.30 - 17.00



Sal C: Front Office/Back Office: Get-Together

Hosted by Tine H. Fuglsang
Front Office Coordinator, DeiC

Join us for an informal session where you will have the opportunity to meet HPC, Data Management, and Quantum representatives from other Front Offices and discuss focus areas, intersections, collaborations, and support structures.

Who can join?
All Front Office and Back Office representatives as well as others interested in the national collaboration on digital research infrastructure between the Danish universities are encouraged to participate and contribute questions and comments.

Tine H. Fuglsang
Coordinator of the collaboration between DeiC and the Front Office representatives at each of the eight universities within the areas of HPC, Data Management, and Quantum. Supports and facilitates communication about and usage of the national digital research infrastructure. Main focus is to ensure that researchers across all academic disciplines at Danish universities have access to a digital infrastructure.

This get-together will be in English.

18.00 - 19.00



Reception

Vi byder velkommen til en uformel og hyggelig konferencereception, hvor du har mulighed for at møde de øvrige deltagere. Her er der plads til gode samtaler, nye forbindelser og gensyn med gamle kendinge. Kig forbi, få et glas og en snack og vær med til at sætte gang i netværket i en afslappet atmosfære.

Receptionen foregår i konferencens udstillingsområde.

19.00 - 21.00



Middag i Restaurant Taste of Comwell

Vi inviterer til en hyggelig konferencemiddag med lækker buffet og fri seating. Her får du mulighed for at fortsætte dagens samtaler, lære nye mennesker at kende og nyde en afslappet aften i godt selskab. Tag plads, hvor du har lyst, fyld din tallerken og nyd en uformel og stemningsfuld afslutning på dagen.

20.30 - 21.00

Bemærk venligst, at programmet er under udarbejdelse, og at ændringer kan forekomme.

28. okt 2026

07.00 - 08.15



På løbetur med DeiC

Traditionen tro starter vi konferencens anden dag med et aktivt indslag. Alle, der har lyst til frisk luft og motion i smukke omgivelser, er velkomne til at deltage i en fælles morgenløbetur. DeiCs egen løbeentusiast, Dennis Lange Wollbrink, guider ruten og sørger for, at vi både kommer godt afsted og tilbage igen i god tid inden dagens program går i gang.

Vi mødes foran hotellets reception kl. 7.00, hvor vi varmer op sammen, inden vi begiver os afsted i samlet flok. Turen rundes af ved receptionen kl. 8.15.
Løbeguide
Dennis Lange Wollbrink
Projekt Manager, HPC, DeiC

08.00 - 09.00



Registrering, morgenkaffe, hils på sponsorerne

08.30 - 12.30



Sal D: Hands-On Threat Hunting & Detection Workshop

Workshop hosted by
Sergio Albea
Community Shared SOC, Switch

A practical Threat Hunting workshop where we will dive into real-world threat scenarios based on multiple cases observed during 2025. Don't worry if you're not familiar with this topic. This workshop is designed for all skill levels, oriented towards Threat Hunting, and we'll start with a clear and simple introduction to basic detections so you can get comfortable before jumping into the action.
What to expect?
Learn how to hunt for threats across different scenarios such as:
- Network-based threats
- Identity-based anomalies
- Host-based suspicious behavior
- The use of AI in Threat Hunting
- Apply Threat Intelligence to Threat Hunting
- Explore how to turn raw data into real detections
- Discover how to build your own hunting queries and detection rules

Bring Your Laptop!
You'll need your computer — in the second part of the session, we'll break into groups to solve real-world threat hunting cases using the tools and queries we explored during the training.

Sergio Albea
Sergio Albea is a Microsoft MVP and Threat Hunting Researcher with more than 20 years of experience in the Microsoft ecosystem. Originally from Barcelona, he moved to Switzerland 7 years ago, where he currently works as a CSOC Security Expert at SWITCH (Swiss NREN), focusing on threat analysis and incident response within the Education and Research sector.
Over the last few years, he has immersed himself in the dynamic field of cybersecurity, working across diverse IT environments to ensure robust protection against threats and vulnerabilities. His approach is strongly focused on proactivity, leveraging advanced analytics, threat hunting, and architectural design to preemptively mitigate risks and strengthen defenses against potential attacks and security breaches.

This workshop will be in English.

09.00 - 09.30



Sal A: Sunet's Experiences with DAS Fiber Sensing

Magnus Bergroth
Senior Network Architect, Sunet

Fibre Sensing in Production Networks: SUNET's DAS Experience
DAS and SOP monitoring turn your fibre into a sensor, detecting vibrations and physical events along the cable. This presentation covers what we learned from deploying these technologies on SUNET's live network.
We conducted trials on aerial cables mounted on power line towers, roadside cables, and sea cables. We show how DAS can coexist with live DWDM traffic on the same fibre, what needs to be done correctly, and which mistakes can bring down a DWDM system.

DAS generates large volumes of data, and we explain how we process it and integrate it into our monitoring stack.
Some installation practices that work well for 400GZR+ can appear as artefacts in DAS data. We discuss what these artefacts are and how to mitigate them.

Finally, we describe the solutions and practices that have been moved into permanent production at SUNET.

Magnus Bergroth
Magnus Bergroth is a Senior Network Architect and Service Manager for SUNET's IP and optical network. With roots in education networking dating back to 1994, when remote learning meant FirstClass BBS, he joined SUNET and NORDUnet in 2007 and has since designed and deployed three generations of the SUNET network. Hands-on by nature, he is a firm believer in learning through trial and error.

This presentation will be in English.

09.00 - 09.30



Sal B: Case Aalborg Universitet: Fremtidens AI-forskningsmiljø på ét fælles datalag

Tommy Nielsen, Sales Director, AI Foundation hos Advania Danmark A/S.

Jens Melhede, Principal Architect i AI Foundation hos Advania Danmark A/S.

Den nye flaskehals er data, ikke FLOPS: konvergensen mellem HPC- og AI-workloads som metodeskift.

An Operating System for data: Cisco-VAST AI OS forener data, compute og AI-services: single global namespace, multi-protocol access, alle tiers fra flash til aktivt S3-on-tape-arkiv.

Fra arkitektur til beslutning: valgene bag AAUs nye miljø, der accelererer forskning inden for bæredygtighed, sundhed og ingeniørvidenskab.

Tommy Nielsen

"IT Sales Veteran" med mere end 25 års erfaring indenfor komplekst IT-salg, High-end Storage, HPC og AI i virksomheder som bl.a.: Ericsson, TDC, Unisys, NNIT og Dell Technologies.

Jens Melhede

"Long term" storageekspert i forskellige virksomheder som bl.a.: Netapp, Violin, Microsoft, KMD og Dell Technologies. Forstår sammenhængen mellem high-end storage, HPC og de nye AI-miljøer – og transformerer det til outcomes for kunderne.

Dette oplæg er sponsoreret af Advania.

09.00 - 09.30



Sal C: Digital Sovereignty by Design: Building IT Research Infrastructure at TECH, Aarhus University

Eske Christiansen, Chief Consultant, Aarhus Universitet, TRIT

Research increasingly depends on tools that quietly move data beyond the institution's reach. This talk shows how TECH at Aarhus University (AU) builds IT research infrastructure with digital sovereignty as the guiding principle: the researcher and AU keep full control of the data and the results derived from it.
We follow the chain from GDPR-compliant use of online AI models, through text processing and data storage, to compute – including large language models on AU hardware, so data never leaves the AU network.
We cover the architecture, what it takes to make sovereignty a default rather than a restriction, what it costs in hardware, staff and organisational commitment, where it is achievable today and where it is not – and where we would like to collaborate with other universities.

Eske Christiansen is a chief consultant at TECH Research IT (TRIT), Aarhus University. His daily work spans advisory services, project management, service development and policy within IT research infrastructure.
He holds a degree in computer science from the University of Copenhagen and worked on infrastructure development in the IT industry before moving into research. He was most recently Head of HPC at DeiC, helping shape the national effort on high performance computing.
Eske is interested in IT research infrastructure at every level – from the individual researcher's need for tools and data, through local and national shared services, to European collaboration. He is engaged by the interplay of technology, organisation and policy, so infrastructure delivers real value to research.

This presentation will be in English.

09.30 - 10.00



Sal A: Cable Route Diversity Explained, What's New and What's Next? Polar Connect Field Notes from the Arctic

Thomas Frøyland, Chief Strategy Officer, NORDUnet

A progress update on the Polar Connect initiative to create a digital highway through the Arctic region to strengthen the connection between the Nordics, Canada and East Asia.
Thomas Frøyland is Chief Strategy Officer at NORDUnet. He has more than 20 years of policy experience from international collaboration and infrastructure development, including from the United Nations, Orsted and Ramboll. He has consulted extensively for governments, multinational corporations and think tanks on geopolitics and crisis management. Thomas holds a master's degree in European Affairs from Sciences Po Paris.

This presentation will be in English.

09.30 - 10.00

Aflyst: Sal B: Fra nul til Software Defined network og dets betydning for forskning. Lær om KUs proces og erfaringer

Morgan Pilmark, netværksspecialist, KU
Christian Vesth, netværkspecialist,KU
Sasa Dervovic, sektionsleder, KU

Københavns Universitet har gennem de seneste år gennemgået en omfattende teknologisk transformation med fokus på IT-sikkerhed, mobilitet, fleksibilitet og et robust netværksfundament. I dette oplæg deler vi erfaringerne fra hele rejsen fra et traditionelt netværk til et fuldt Software Defined Access (SDA)-miljø.

Vi fortæller om processen, de vigtigste valg og de udfordringer, vi har mødt undervejs, særligt i samspillet med forskere, studerende og administrative brugere. Med udgangspunkt i Cisco SDA-teknologien har vi etableret et segmenteret og sikkert netværk, der understøtter forskningens behov for både fleksibilitet og mobilitet uden at gå på kompromis med sikkerheden.

Vi giver konkrete eksempler på, hvordan selvbetjening, automatisering og intelligent segmentering har gjort det lettere at understøtte forskningsmiljøer med meget forskellige krav, samtidig med at driften er blevet mere robust og skalerbar.

Morgan Pilmark, netværksspecialist
Har gennem tiden arbejdet meget med netværksautomatisering. Arbejder til dagligt med funktionaliteten og drift af vores campusnetværk.

Christian Vesth, netværkspecialist
Har gennem sin tid på KU arbejdet med design, arkitektur og drift af netværksløsninger på KU.
Har været primær teknisk arkitekt på KUs nye campusnetværk

Sasa Dervovic, sektionsleder
Arbejder med netværksinfrastruktur, it-sikkerhed og digital transformation. Han har spillet en central rolle i implementeringen af SDA-netværk på KU og deler erfaringer med, hvordan moderne netværksteknologier kan understøtte forskning, fleksibilitet og sikker drift.

09.30 - 10.00



Sal C: HPC Use Case: Potential of Retrofitting Hydropower Plants in a 2050 Net-Zero European Grid

Naime Ahmadi, Postdoctoral Researcher, Department of Electrical and Computer Engineering - Electrical Energy and Electronics, Aarhus University.

This study evaluates the retrofit of Europe’s conventional hydropower plants to variable-speed pumped storage in a fully decarbonised 2050 power system. Using a 39-bus PyPSA model of Europe, with a strict net-zero constraint and ENTSO-E targets, it compares two scenarios: batteries with conventional hydropower, and the same system with retrofitted hydropower. A three-price, co-optimised reserve market captures the flexibility value of bidirectional storage. The optimiser selects the full retrofit potential of 29.9 GW across all countries, reducing annualised system cost. An energy-only market understates this benefit; reserve co-optimisation reveals additional value, although transmission constraints limit exports from Scandinavian hydropower.

Naime Ahmadi is a Postdoctoral Researcher at the Department of Electrical and Computer Engineering - Electrical Energy and Electronics, Aarhus University, working on EU Horizon-funded energy research projects in power system modelling, energy storage, and the market integration of renewables. Naime holds a PhD from the Tokyo Institute of Technology, Her current research spans large-scale energy system optimisation, pumped hydro storage, battery degradation, and ancillary-services markets. Naime serves as Secretary of the IEEE Denmark Section Joint IAS/IES/PELS Chapter.

This presentation will be in English.

10.00 - 10.30



Sal A: Apps, a Platform for Sovereign Collaborative Services at National Scale

Benoît Piédallu, digital project manager
French Ministry of Education

Since the lockdown in 2020, significant effort has been put in to deploying online collaborative tools for employees of the French Ministry of Education. “Apps" is an online digital platform offering multiple collaborative tools for over 1.2M people, entirely based on Free Open Source Software. Benoît will explain what choices were made, how the French administration contributes back to the community, and what the benefits and weaknesses are of such choices.

Benoît Piédallu
Benoît Piédallu is a digital project manager in the Shared Digital Services division of the Digital Directorate for Education at the French Ministry of Education. He is in charge of the Apps.education.fr platform, a digital collaborative platform of free software services for education workers, and the “Webinaire de l’État,” a sovereign and open-source videoconference service available to all employees of the French State.

This presentation will be in English.

10.00 - 10.30



Sal C: DeiC Interactive HPC: Sovereign Cloud, AI, and Sustainability

Claudio Pica
Professor, Director, SDU eScience Center

Insights into the launch of the new collaboration with Danfoss and HPE as a highly sustainable hosting solution for the new DeiC Interactive data centre.

This presentation will be in English.

Claudio Pica
Prof. Claudio Pica is the Director of the SDU eScience Centre, the national provider of HPC and cloud services for DeiC and the Danish universities. With over two decades of experience in high-performance computing (HPC) and AI infrastructure, he has led the effort to make supercomputing accessible to all disciplines in Denmark and pioneered a sustainable, industrial-scale vision for world-class research cloud infrastructure.

10.00 - 10.45

Program update: Sal B: Towards a Pan-European Research Storage Infrastructure

Bo Nygaard Bai
IT-Architect, DeiC
Storage needs for research data are growing at an unprecedented pace. While datasets increase in volume, complexity, and retention requirements, the institutions are also expected to comply with security standards while collaborating in an international space. The storage solutions are often self-hosted and built using open-source storage components. Building these services from scratch, while meeting all requirements is challenging. Within the GÉANT GN5-2 project, a small team is developing an architectural blueprint and a multi-year roadmap for a federated, pan-European storage infrastructure. Bo Bai will describe the core elements of this blueprint, and the potential impact for the wider European research community.

This presentation will be in English

10.30 - 11.00

Pause

11.00 - 11.30



Sal A: Læringer fra etableringen af en fælles 24x7 SOC for kritisk infrastruktur

Søren Maigaard, Direktør for SektorCERT

11.00 - 11.30



Sal B: CIO kredsens fælles indsats i forhold til digital suverænitet

Tina Skriver, vicedirektør, Digital på Roskilde Universitet

Oplæg om Danske Universiteters CIO-gruppes fælles indsats i forhold til digital suverænitet.

Tina Skriver
Tina Skriver er vicedirektør for Digital på Roskilde Universitet med knap 18 års erfaring med ledelse i en universitetskontekst med særligt fokus på digital transformation, tværgående forandringer og udvikling af den administrative og digitale understøttelse af forskning og uddannelser. Tina brænder for at skabe mening med digitalisering. For hende handler digitalisering ikke kun om teknologi, men om samspillet mellem mennesker, kompetencer, data, organisation og et sikkert, stabilt og fleksibelt IT-fundament. Som digital leder arbejder hun for at skabe rammerne for både stabil drift og fortsat digital udvikling inden for forskning, uddannelse og administration.

11.00 - 11.30



Sal C: LUMI AI Factory, EOSC, Data Labs and Data Spaces for Science

Presentation by
Sara Garavelli
Strategic European Engagement and Coordination Development Manager and EOSC-Association Director, CSC

Sara Garavelli
Sara Garavelli works as Strategic European Engagement and Coordination Development Manager at CSC in Finland. In this role, she leads CSC's engagement in major European initiatives supporting the implementation of the European Data and AI Strategies, including EOSC, EuroHPC AI Factories, European data spaces, and digital twins. Sara serves on the Board of Directors of the EOSC Association ´ and is a member of the RDA Council. Throughout her career, Sara has fostered partnerships and coordinated initiatives that advance open science, data sharing, and digital innovation. Sara holds a degree in Telecommunications Engineering.

This presentation will be in English.

11.30 - 12.00

Sal A: Paneldebat om AI i universiteternes sikkerhedsparadigme

Janni Lee B. Bang Brodersen, informationssikkerhedschef, SDU
Lilian Schelde Baunbæk, CISO, IT-Universitetet
Michael Collin, CISO, AAU
Anders Fosgerau, CISO, DTU

Moderator: Eskil Sørensen, forretningskonsulent, DKCERT

Hvornår er AI en trussel, og hvornår er AI en mulighed for at opdage og håndtere trusler? Er AI en styrke for universiteternes sikkerhed, eller åbner teknologien nye flanker for kompromittering, når brugerne uden tilstrækkelig awareness-træning, vejledning og governance tager AI-værktøjerne i brug?
Gennem de sidste par år har vi set, hvordan cyberkriminelle og statsstøttede aktører i stigende grad anvender AI til at skalere angreb, automatisere informationsindsamling og designe social engineering-kampagner, som bliver sværere og sværere for brugerne at gennemskue. Hvordan påvirker det universiteternes risiko- og trusselsbillede?

I denne paneldebat diskuterer CISO'er fra fire universiteter, SDU, DTU, AAU og ITU, hvordan AI forandrer trusselslandskabet, og hvilke strategiske og sikkerhedsmæssige valg institutionerne står overfor. Panelet deler erfaringer om governance, risikostyring og implementering af AI og belyser, hvordan universiteter kan udnytte teknologiens muligheder uden at kompromittere sikkerheden.

11.30 - 12.00



Sal B: Praktisk risikostyring

Lisbeth Loft,Senior Compliance Advisor, Vaern A/S
Poul Halkjær Nielsen, Senior Compliance Advisor, Vaern A/S

Risikostyring inden for informationssikkerhed bliver ofte beskrevet gennem metoder, modeller og risikomatricer. Men hvordan får man det til at fungere i praksis i en kompleks universitetsorganisation med mange forskellige fagligheder, systemer, data og organisatoriske enheder?
I oplægget deler vi konkrete erfaringer fra arbejdet med risikostyring på universiteter. Vi viser, hvordan risici kan identificeres og vurderes sammen med organisationen, hvordan meget forskellige typer af risici kan struktureres og sammenholdes, og hvordan resultaterne kan omsættes til et grundlag for prioritering, opfølgning og ledelsesmæssige beslutninger.
Fokus er ikke på endnu en risikomodel, men på det praktiske arbejde: Hvad virker? Hvor bliver det svært? Og hvordan skaber man en tilgang til risikostyring, som både giver mening for dem, der kender den lokale virkelighed, og for den ledelse, der skal bruge resultaterne?
Oplægget tager udgangspunkt i vores praktiske erfaringer fra universitetssektoren og arbejdet med informationssikkerhed, ISO 27001 og NIS2.

Poul Halkjær Nielsen
Poul Halkjær Nielsen har mange års erfaring med informationssikkerhed, risikostyring og compliance på tværs af både IT- og OT-miljøer. Han er tidligere informationssikkerhedschef (CISO) på Københavns Universitet og har indgående kendskab til de særlige organisatoriske og tekniske rammer for informationssikkerhed i universitetssektoren fra institut-og fakultetsniveau til fælles administration. I dag rådgiver Poul om informationssikkerhed og risikostyring og beskæftiger sig desuden med audit og assurance, herunder erklæringsarbejde. Han har gennem sin karriere arbejdet med informationssikkerhed fra både et teknisk, organisatorisk og ledelsesmæssigt perspektiv.

Lisbeth Loft
Lisbeth Loft arbejder med informationssikkerhed, governance og risikostyring i komplekse organisationer, herunder universiteter. Hun arbejder blandt andet med at operationalisere risikostyring og omsætte krav fra NIS2 og ISO 27001 til praktiske metoder og styringsværktøjer. Lisbeth er tidligere international forsker og har to ph.d.-grader fra Brown University i USA og Københavns Universitet. Hun fungerer fortsat som ekspert for EU, blandt andet i vurderingen af forsknings- og innovationsbevillinger. Hendes baggrund inden for kvantitativ og kvalitativ analyse og komplekse datastrukturer præger hendes analytiske og praksisnære tilgang til risikostyring.

Dette oplæg er sponsoreret af Vaern A/S.

12.00 - 12.30

Sal A: Paneldebat om AI i universiteternes sikkerhedsparadigme (Fortsat)

Janni Lee B. Bang Brodersen, informationssikkerhedschef, SDU
Lilian Schelde Baunbæk, CISO, IT-Universitetet
Michael Collin, CISO, AAU
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Moderator: Eskil Sørensen, forretningskonsulent, DKCERT

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12.00 - 12.30



Sal B: Quantum sikker med Cisco og Wingman Solutions

Søren Dulong Andreasen, Solutions Engineer, Cisco
Bo Urskov, Network Architect, OT/IOT Tech Lead, Wingman Solutions
Quantum computing-revolutionen nærmer sig, og med den følger en ny og alvorlig trussel mod traditionel kryptering. Quantum-computere, der kan bryde eksisterende krypteringsmetoder, forventes at blive en realitet inden 2030, hvilket skaber risikoen for “Harvest Now, Decrypt Later angreb", hvor data opsamles i dag for at blive dekrypteret i fremtiden.

Deltag i vores indlæg, hvor vi introducerer truslen ved quantum og afmystificerer Post-Quantum Cryptography (PQC). Vi gennemgår hvordan vores fælles sikkerheds- og netværksløsninger kan beskytte mod fremtidens quantum-angreb. Vi gør det tekniske forståeligt og giver dig konkrete værktøjer til at sikre din infrastruktur mod næste generations cybertrusler.

Søren Dulong Andreasen er en erfaren Solutions Engineer hos Cisco med 26 års teknisk ekspertise og CCIE-certificering. Med et solidt fundament inden for routing, switching og management-platforme rådgiver Søren kunder om komplekse netværksarkitekturer, der skaber reel forretningsværdi. Søren kombinerer dyb teknisk indsigt med evnen til at omsætte komplekse løsninger til strategiske fordele for kunden. Aktuelt arbejder Søren med at analysere, hvordan kvanteteknologi (Quantum) vil transformere fremtidens netværk og sikkerhed.

Bo Urskov er specialist i design og implementering af Cisco-netværksinfrastruktur med fokus på Software Defined-arkitekturer og er Tech Lead på OT-netværks- og sikkerhedsområdet. Derudover har Bo dyb ekspertise i Ciscos sikkerhedsløsninger, herunder Secure Firewall, Umbrella og ISE, og hjælper organisationer med at skabe sikre og skalerbare netværk på tværs af IT- og OT-miljøer.
De seneste år har Bo arbejdet tæt med nye teknologier og deres betydning for fremtidens digitale infrastruktur, herunder Quantum Computing og de sikkerhedsmæssige perspektiver, teknologien medfører.

Dette oplæg er sponsoreret af Cisco.

12.30 - 13.30



Frokost

Konferencens fælles frokost foregår i Restaurant Taste of Comwell.

13.30 - 14.00



Sal A: Mistral på AAU: Hvordan bygger man en AI-service til forskning?

Jacob-Steen Madsen
Vicedirektør, AAU IT Services (ITS), AAU

Hvordan omsætter man forskernes AI-behov til en sikker og brugbar fælles service? I dette oplæg fortæller Aalborg Universitet om rejsen fra kortlægning af forskernes behov til etableringen af en Mistral-baseret AI-service. Oplægget belyser samarbejdet mellem forskere, digitaliseringsteams, rådgivende ekspertgrupper og it-organisationen samt de erfaringer, der er gjort med adoption, dataklassifikation, AI-governance og understøttelse af avancerede forskningsanvendelser.

Jacob-Steen Madsen er vicedirektør ved Aalborg Universitet med ansvar for digitalisering, teknologi og organisatorisk udvikling. Han arbejder strategisk med AI, digital suverænitet og implementeringen af nye digitale platforme på tværs af forskning, uddannelse og administration. Han har været tæt involveret i AAUs etablering af Mistral som fælles AI-platform for forskningsområdet og arbejder med governance, compliance og værdiskabelse gennem kunstig intelligens.

13.30 - 14.00



Sal B: Building EOSC Nodes: Enabling National Impact Within the European Open Science Cloud

Sara Garavelli, Strategic European Engagement and Coordination Development Manager and EOSC-Association Director, CSC
Anne Sofie Fink, Head of Data Management, DeiC

The European Open Science Cloud (EOSC) aims to create a federated ecosystem where researchers can access, share, and reuse research data, tools, and services across Europe. As EOSC evolves towards a more distributed model, EOSC Nodes are emerging as important building blocks for connecting European ambitions with national research environments.

This session explores the development and role of EOSC Nodes as connectors between national research ecosystems and the wider EOSC Federation. Through examples from Finland and Denmark, the session will highlight different approaches to establishing national nodes, including experiences from an operational EOSC Node and reflections from a country preparing its application.

The first part of the session will provide insights into the practical implementation of EOSC Nodes, including governance, coordination, integration of services, and engagement with research communities. Speakers will share experiences, opportunities, and lessons learned from developing national approaches while contributing to a common European vision.

The second part of the session will focus on discussion and exchange with participants. Together, we will explore how EOSC Nodes can best support researchers, strengthen coordination across infrastructures and communities, and ensure alignment between national priorities and European developments.

By combining practical experiences with interactive dialogue, the session will highlight the potential of EOSC Nodes as a key element in making EOSC accessible, relevant, and valuable for researchers across Europe.

This session will be in English.

Sara Garavelli works as Strategic European Engagement and Coordination Development Manager at CSC in Finland. In this role, she leads CSC's engagement in major European initiatives supporting the implementation of the European Data and AI Strategies, including EOSC, EuroHPC AI Factories, European data spaces, and digital twins. Sara serves on the Board of Directors of the EOSC Association ´ and is a member of the RDA Council. Throughout her career, Sara has fostered partnerships and coordinated initiatives that advance open science, data sharing, and digital innovation. Sara holds a degree in Telecommunications Engineering.

Anne Sofie Fink Kjeldgaard leads the Data Management team at DeiC, focusing on the development of services for sharing and reusing research data in accordance with the FAIR principles, and represents DeiC in a number of national and international collaborations. She previously worked as a researcher in social science methodology.

13.30 - 14.00



Sal C: The Use of Quantum Computers in 2026 and Beyond, and Possibilities through DeiC Quantum.

Presentation by
Muyang Liu, Quantum Computing Infrastructure Developer, DeiC Quantum Department
Nina Høgh-Bach, Special Consultant, Quantum Infrastructure, DeiC Quantum Department

Introduction to presentation by Henrik Navntoft Sønderskov, Head of Quantum at DeiC

Target group:
The subject, as well as the structure of the presentation, is targeted at researchers, industry, stakeholders and the press who either work with or are interested in quantum technology and international collaboration.
Purpose:
The purpose of the presentation is to showcase how different quantum computers around the world work and how researchers and industry can get access to a vast amount of interesting possibilities, to enhance the development of quantum research and quantum technology / algorithms.
The work is part of the Danish Government's National Strategy for Quantum Technology.
Outcome:
Gain a practical overview of and insight into how quantum computers are evolving and can be used.
This presentation will also explore how to work with quantum computers regarding security and quantum sovereignty.

Muyang Liu is a Quantum Computing Infrastructure Developer at DeiC and a Postdoctoral Researcher at the Centre for Quantum Mathematics, University of Southern Denmark. She holds a Ph.D. in Physics from the University of Pennsylvania, where her research focused on large-scale data computation in quantum field theory and on applying techniques inspired by pure mathematics to reduce computational and data complexity.

At DeiC, she works primarily with Q-Access tasks to support researchers in accessing quantum computing resources across different platforms. Her work includes daily user management for quantum sandbox access, designing specialized quantum calls, providing regular consulting through DeiC's quantum back office and weekly online office hours, and delivering quantum computing roadshows at Danish universities.

Nina Høgh-Bach is the new Quantum Consultant in DeiC Quantum Infrastructure, working with Q-Access and Q-Competence. Her responsibilities include managing calls and evaluation processes, facilitating access to quantum computing resources, and supporting initiatives that strengthen Denmark's quantum ecosystem. With a background in strategy, funding and project management, she has a focus on turning strategic priorities into concrete opportunities and connecting people, expertise and resources.

This presentation will be in English.

13.30 - 14.00



Sal D: Kriseøvelser i praksis og typiske faldgruber for deltagerne

Nicolai Ernst
It Security Consultant, DeiC Forskningsnettet

Med erfaringer fra CLAW og TALON vil vi se nærmere på, hvad der oftest går galt (for deltagerne) i en kriseøvelse. Hvad kan vi lære af øvelserne? Og hvordan kan vi blive bedre til at håndtere kriser? Vi afholder en mikrokriseøvelse undervejs og afslutter med tips, links og materialer til selv at afholde en kriseøvelse.

Nicolai Ernst

It-sikkerhedsarkitekt, UNIX- og firewall-administrator samt udvikler med interesse inden for sikkerhed, automatisering og netværk.
Nicolai Ernst har de sidste 4 år også lavet kriseøvelser i europæisk regi og i foråret gennemført GÉANTs første europæiske kriseøvelse på tværs af flere lande som "exercise leader" for DeiC.

14.00 - 14.30

Sal B: Building EOSC Nodes: Enabling National Impact Within the European Open Science Cloud (Fortsat)

Sara Garavelli, Strategic European Engagement and Coordination Development Manager and EOSC-Association Director, CSC
Anne Sofie Fink, Head of Data Management, DeiC

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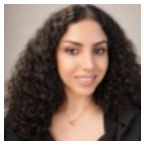
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14.00 - 14.30



Sal C: Quantum Algorithms Through the DeiC Danish Quantum Algorithm Academy (DQAA) and Examples of Current Work

Nahid Binandeh Dehaghani, Postdoctoral Researcher, Aalborg University

Louise Juel Broch
Programme Coordinator, DeiC Quantum Department

Introduction by Henrik Navntoft Sønderskov, Head of Quantum at DeiC.

Digital research infrastructure faces growing computational demands, resource constraints, and increasingly complex scientific workloads. Quantum research exemplifies this challenge: quantum-system dimensions grow exponentially with system size, creating substantial memory and computational requirements. This talk explores Hierarchical Tucker tensor representations for resource-efficient simulation of high-dimensional quantum systems. Our recent work shows how low-rank surrogate models can reduce computational complexity while providing rigorous guarantees on approximation accuracy, stability, and control performance. The work illustrates how scalable and trustworthy numerical methods can strengthen resilient digital research infrastructure for emerging quantum technologies.

The presentation is aimed at researchers, industry representatives, stakeholders, and members of the press who either work with or are interested in quantum technology.
The purpose of the presentation is to showcase how the work carried out within DQAA helps advance the development of quantum technologies and algorithms.
The work carried out within DQAA is part of the Danish Government's National Strategy for Quantum Technology.
Gain insight into Denmark's national efforts to advance the development of quantum technologies and algorithms.
The presentation will also explore security aspects of working with quantum algorithms.

Nahid Binandeh Dehaghani
Nahid Binandeh Dehaghani is a Postdoctoral Researcher at Aalborg University and a member of Denmark’s National Quantum Algorithm Academy, funded by the Danish e-Infrastructure Consortium (DeiC). Her research focuses on quantum computing, quantum algorithms, quantum control, and quantum-enhanced machine learning, with applications in optimization, dynamical systems, and computational science. She earned her PhD in Electrical and Computer Engineering from the University of Porto, where her research focused on optimal and robust quantum control strategies. She has authored publications in quantum control and quantum computing and serves as a reviewer for IEEE journals and conferences.

Louise Juel Broch
Louise Juel Broch works as a coordinator at DeiC, where she supports and helps develop Denmark’s quantum ecosystem. She manages projects such as the Niels Bohr Quantum Summer School and the Danish Quantum Algorithm Academy, through which scholarships are awarded annually to PhD candidates and postdoctoral researchers.
Louise holds a Master’s degree in Journalism and has broad professional experience spanning journalism, communication, business development, relationship building, project management, content creation, and event planning. She has previously worked in the defense industry and in the Air Force.

This presentation will be in English.

14.00 - 14.30

Sal D: Kriseøvelser i praksis og typiske faldgruber for deltagerne (Fortsat)

Nicolai Ernst
It Security Consultant, DeiC Forskningsnettet

Med erfaringer fra CLAW og TALON vil vi se nærmere på, hvad der oftest går galt (for deltagerne) i en kriseøvelse. Hvad kan vi lære af øvelserne? Og hvordan kan vi blive bedre til at håndtere kriser? Vi afholder en mikrokriseøvelse undervejs og afslutter med tips, links og materialer til selv at afholde en kriseøvelse.

Nicolai Ernst

It-sikkerhedsarkitekt, UNIX- og firewall-administrator samt udvikler med interesse inden for sikkerhed, automatisering og netværk.
Nicolai Ernst har de sidste 4 år også lavet kriseøvelser i europæisk regi og i foråret gennemført GÉANTs første europæiske kriseøvelse på tværs af flere lande som "exercise leader" for DeiC.

14.30 - 14.45

Pause

14.45 - 15.45



Sal A: Digital suverænitet. Afsluttende keynote ved Jan Damsgaard

Jan Damsgaard
Professor ved Copenhagen Business School
Da vi lagde forskningens data og regnekraft i skyen, traf vi en driftsbeslutning. I dag viser det sig at have været en geopolitisk beslutning.

Digital suverænitet forveksles ofte med selvforsyning. Uafhængighed er at stå alene — suverænitet er at kunne stå fast. Spørgsmålet er ikke, om sektoren skal bruge globale leverandører, men hvad der sker, hvis vilkårene ændrer sig i morgen, og hvem der har hånden på nødstopknappen.

Indlægget præsenterer en ramme fra bogen Digital Suverænitet: en femlagsmodel over teknologistakken, hvor afhængighedstallet kan beregnes. Tag dertil de fastlåsninger, vi har indgået for at spare tid, og som først forfalder under pres.

Og så det, sektoren kan handle på nu: exit-by-design og en ærlig opgørelse over egne afhængigheder.

Jan Damsgaard er professor ved Copenhagen Business School (CBS) og en af Danmarks mest markante stemmer i krydsfeltet mellem teknologi, forretning og geopolitik. Han forsker og underviser i digital transformation, digitale platforme, AI, blockchain og teknologiøkonomi og rådgiver løbende virksomheder og offentlige aktører om strategiske tech-valg. Med et skarpt blik for, hvordan digitale infrastrukturer skaber afhængighed, magt og lock-in, omsætter han komplekse mekanismer til ledelsesrelevante beslutningsrammer i en praktisk og kompromisløs analyse af, hvad digital suverænitet betyder, og hvordan den kan styres.

15.45 - 16.00



Sal A: Tak for i år og på gensyn i 2027

Martin Bech
Konstitueret Direktør, DeiC
Divisionsdirektør, Forskningsnet, sikkerhed og services, DeiC

Martin Bech har været chef for DeiC forskningsnettet siden 2001. Han har spillet en vigtig rolle for udviklingen af den digitale forskningsinfrastruktur i Danmark - herunder Forskningsnettet, DKCERT, Uni-login og sundhedsdatanettet og er aktuelt engageret i bl.a. Polar Connect og DeiCs bidrag til kvantenetprojekter