

digital futures

NEWSLETTER FEBRUARY 2021

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KTH and the Digital Futures venture have joined the prestigious C3.ai DTI consortium



Tom Siebel, C3 AI Founder and CEO

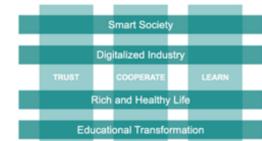
It is critical to engage with international partners

The C3.ai Digital Transformation Institute (DTI) announced 18 February 2021, that KTH has become the first international member of the academic and industry consortium. Karl H. Johansson, Director at Digital Futures and Professor at EECS KTH, has joined the C3.ai DTI Executive Committee as campus lead.

- The upcoming digital transformation revolution will be a worldwide phenomenon, says C3 AI Founder and CEO Tom Siebel. It is critical to engage with international partners ...

[Read full story](#)

Open Calls



Digital Futures Strategic Research Matrix



C3.ai Digital Transformation Institute

Open call: Second Call for Research Pairs Projects in Technologies for a Digital Transformation

Digital Futures wants to facilitate collaboration between young researchers at KTH, Stockholm University or RISE. **Call closes: 31 March, 2021**

[Read more & Apply](#)

Open call: Digital Transformation and AI for Energy and Climate Security

The Call is open to researchers at KTH Royal Institute of Technology and researchers at Digital Futures with partner Stockholm University. **Call closes: 29 March, 2021**

[Read more & Apply](#)

DIGITALIZE IN STHLM 2021



Now is the time to book your calendars!

Digitalize in Stockholm is an annual conference and meeting place for global thought leaders and rising stars in academia, industry, government, and civil society – all engaged in transformation through digitalization.

SAVE THE DATE!

20 October 2021, 10:00 – 17:00 (10 am – 5 pm) CET

21 October 2021, 10:00 – 14:00 (10 am – 2 pm) CET

[Read more](#)

People at Digital Futures



Marina Petrova (Photo Marcus Marcetic - Knut and Alice Wallenberg Foundation)

Meet Marina Petrova

In every newsletter you get to know the people at Digital Futures - the staff working at the centre or people being part of the community.

We talked to **Marina Petrova**, the Vice Director of Digital Futures and Chair of the Strategic Research Committee. Marina is an Associate Professor in wireless communication with the School of Electrical Engineering and Computer Science at KTH Royal Institute of Technology.

Together with the network infrastructure behind, our smartphones are essentially our doorway to society and the world!

Hi Marina Petrova, describe your role at Digital Futures?

- My main task has been to consolidate and shape the research agenda of Digital Futures, together with the Strategic Research Committee members. During the last year, we worked on defining the scope of the research themes and the societal contexts--areas in which industry and society see opportunities but also face challenges in digital transformation. I think we managed to put together an ambitious interdisciplinary research program including a broad range of disciplines, funding instruments, and people with different visions on how to make the future better.

If researchers would like to start collaborating with Digital Futures - what should they do?

- We are committed to building Digital Futures to be a creative, inclusive, and interdisciplinary research environment to solve today's societal challenges by funding the best ideas in the broad area of digital transformation. We invite researchers to participate in various project calls and team up with colleagues from different disciplines. We have launched five different types of funding instruments so far, with more to come. So, keep an eye on our webpage and the newsletter!

Your research interests include the system-level design of future intelligent wireless systems, focusing on mmWave and radar technologies, joint radio access and mobile computing and AI approaches to network design - why did you decide to focus on these topics?

- These are very exciting and interesting times for wireless communications. There is a massive increase in wireless data traffic due to a shift in how we create, share and consume information. Together with the network infrastructure behind, our smartphones are essentially our doorway to society and the world. Leveraging the unrepresented computational capabilities and the advances in AI, we want to provide solutions on how to evolve the wireless networks so that billions of devices, humans and machines could communicate in an ultra-fast and efficient way.

Finally, tell us a little bit about yourself!

- I am originally Macedonian and was born in Skopje. I enjoy being with my family and spending time in nature, especially walking and hiking. It helps me think, reflect and free my mind.

[Link to the profile of Marina Petrova](#)



Image Unsplash

Research at Digital Futures

The number of research projects at Digital Futures is growing and so is the community. Stay tuned and read about our [Collaborative projects](#), [Postdoc projects](#) and [Research pairs](#). [More about the Strategic Research Programme](#)

Upcoming lectures and seminars

23
February
3 pm - 4 pm

FLY-HIGH FIKA SEMINAR

Simin Nadjm-Tehrani, Professor in the Department of Computer and Information Science at Linköping University talks about **Where AI meets Safety and Security**

[Read more](#)

24
February
3 pm - 4 pm

CURTAIN TALK

David Broman, Associate Professor at the KTH Royal Institute of Technology and Associate Director Digital Futures, explains **The Lambda Calculus**.

[Read more](#)

25
February
12 pm - 1 pm

DIVE-DEEP LUNCH SEMINAR

Robert Johansson, PhD, associate professor at Stockholm University, and computer science researcher at Linköping University presents **From machine learning to machine psychology: Artificial general intelligence from the perspective of non-axiomatic logic**

[Read more](#)

9
March
3 pm - 4 pm

FLY-HIGH FIKA SEMINAR

Dr **Leonie Maria Tanczer** in International Security and Emerging Technologies, STEaPP, University College London presents **Gender and IoT (GIoT): The Implications of Smart, Internet-Connected Devices on Victims and Survivors of Domestic and Sexual Violence**.

[Read more](#)

About us

Digital Futures is a cross-disciplinary research center that explores and develops digital technologies. We bring solutions to great societal challenges, in Sweden and globally. We generate knowledge, innovations and future leaders of high industrial relevance and strategic importance. Digital Futures is jointly established by KTH Royal Institute of Technology, Stockholm University and RISE Research Institutes of Sweden.

www.digitalfutures.kth.se

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