

digital futures

NEWSLETTER APRIL 2024



Digital Futures Open Research Days 2024: Advancing innovation and collaboration in digital technologies

The Digital Futures Open Research Days took place on April 18-19, 2024 and featured a diverse program – lightning talks on topics such as AI for the environment, social AI, smart mobility, robots and people, digitalized built environment, smart society, and digitalized industry. Breakout sessions provided in-depth exploration of specific research areas, while matchmaking sessions offered opportunities for faculty to pitch research ideas.

[More about Open Research Days](#)



Exploring the depths with João de Sousa, Digital Futures Scholar in residence

Meet João Tasso de Figueiredo Borges de Sousa, a Professor at Porto University and a Digital Futures Scholar in residence, exploring autonomous vehicles and cyber-physical systems. His journey spans from pioneering research at the University of California, Berkeley, to leading advancements in maritime robotics at the Laboratório de Sistemas e Tecnologias Subaquáticas (LSTS).

[Exploring the depths with João de Sousa](#)



Digital Futures postdoc Jiaojiao Zhang and co-authors – winning the ICASSP2024 Best Paper Award

The paper "COMPOSITE FEDERATED LEARNING WITH HETEROGENEOUS DATA" by Jiaojiao Zhang, Jiang Hu and Mikael Johansson has been awarded the ICASSP2024 Best Paper Award. This prestigious recognition was awarded at the 2024 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2024) held in Seoul, Korea, from April 14 to 19, 2024. ICASSP 2024 is renowned as the most influential conference in signal processing, featuring 2826 accepted papers this year.

[Winning the ICASSP2024 Best Paper Award](#)



Postdoc Francesca Larosa secures a prestigious MSCA European Fellowship for her project, LIBRA

Francesca's project is groundbreaking, aiming to compute the costs and benefits of AI investments in terms of environmental footprint and sustainability gains. Her interdisciplinary approach, bridging economics, AI, and sustainability sciences, promises innovative solutions to the challenges the digital economy faces.

[Postdoc Francesca Larosa](#)



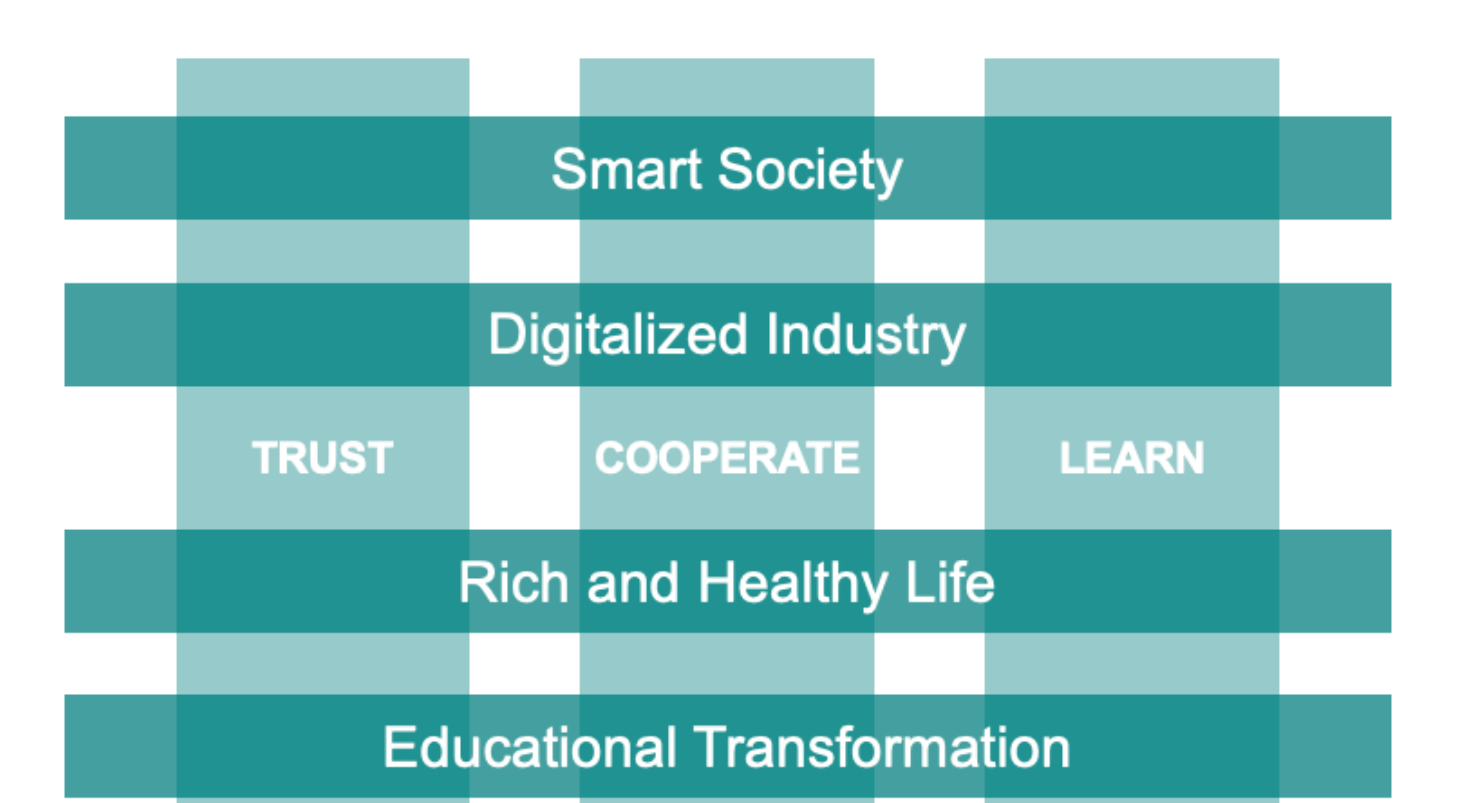
Photo: Unsplash

Open Call for Focus Period 2025

Digital Futures invites proposals from potential organizers for the Digital Futures Focus Period 2025, to take place in May/June 2025. The program is an ambitious 5-week guest researcher event designed to be an annual occurrence with a fresh topic each year.

- Deadline for proposals: May 10, 2024
- Focus period: 3-5 weeks, tentatively in May/June 2025

[Open call for Digital Futures Focus Period 2025](#)



Open calls for ISPP Postdoc Projects, Industrial Innovation Projects and Societal Innovation Projects

ISPP Postdoc projects have a duration of 2 years and will be funded with a maximum of 500 kSEK/year per postdoc regarding Digital Futures funding. ISPP partners must fund the additional required funding per the proposed postdoc position. KTH, Stockholm University or RISE researchers can apply for funding under this call.

Industrial Innovation Projects (IIPs) can be at most 3 years and will be funded with a maximum of 4.5 MSEK overall in terms of Digital Futures funding. Digital Futures provides funding for ISPP project proposals based on the "fund matching" principle.

Societal Innovation Projects (SIPs) can be at most 2 years and will be funded with a maximum of 1 MSEK overall in terms of Digital Futures funding.

The proposal submission deadline is 3 June 2024.

[Open calls for ISPP Postdoc, IIPs and SIPs projects](#)

Upcoming events

[SIGN UP FOR EVENT INVITATIONS](#) on Digital Futures website - look forward to exciting seminars, workshops and distinguished guest speakers!



Photo: Unsplash

Digital Futures for Education: What is the future of university teaching and learning in the age of AI?

When: 22 May 2024, 13:00 – 14:30 CEST

Hybrid event: Digital Futures hub, Osquars Backe 5, floor 2 at KTH main campus OR Zoom

The conversation will focus on the Swedish Higher Education Authority's report on the impact of artificial intelligence on higher education provision, released end of March 2024.

For participation you need to register!

22
May

[More information & registration](#)

8
May

[More information](#)

Predicting the Future: AI & Google Sustainability

When: 8 May 2024, 15:00–16:00

Speaker: Dr. Noel Gorlick from Google – founder of Google Earth Engine

Where: Visualization Studio VIC, Lindstedtsvägen 5, KTH main campus, Stockholm

14
May

[More information](#)

Future of Learning: Hybrid Learning Models, Metacognition Skills, and Generative AI Shape Educational Outcomes

When: 14 May 2024, 10:00–11:30

Where: Room U1, Brinellv. 26, KTH main campus, Stockholm

For participation you need to register!

May
16-17

[More information](#)

3rd Expert Workshop on Design and Operation of Digitalized Sector-Coupled Energy Systems (DigiSect 2024)

When & Where:

16 May (11:30–18:15): Digital Futures hub, Osquars Backe 5, floor 2 at KTH main campus

17 May (09:00–15:30): Salongen in KTH Bibliotek, Osquars backe 31 at KTH main campus

For participation you need to register!

20 May - 21 June

[More information](#)

Scientific Machine Learning for Simulation and Inverse Modelling on 20 May – 21 June 2024

When: 20 May – 21 June, prel

09:00–17:00

This event is part of the Digital Futures Focus Period program – an ambitious 5-week guest researcher event that is repeated annually but with a new topic every year.

For participation you need to register!

In ARCHIVE RECORDED TALKS, you can watch most of our talks again.

[Subscribe to Digital Futures Youtube channel](#)

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.

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