

digital futures

NEWSLETTER AUGUST 2023



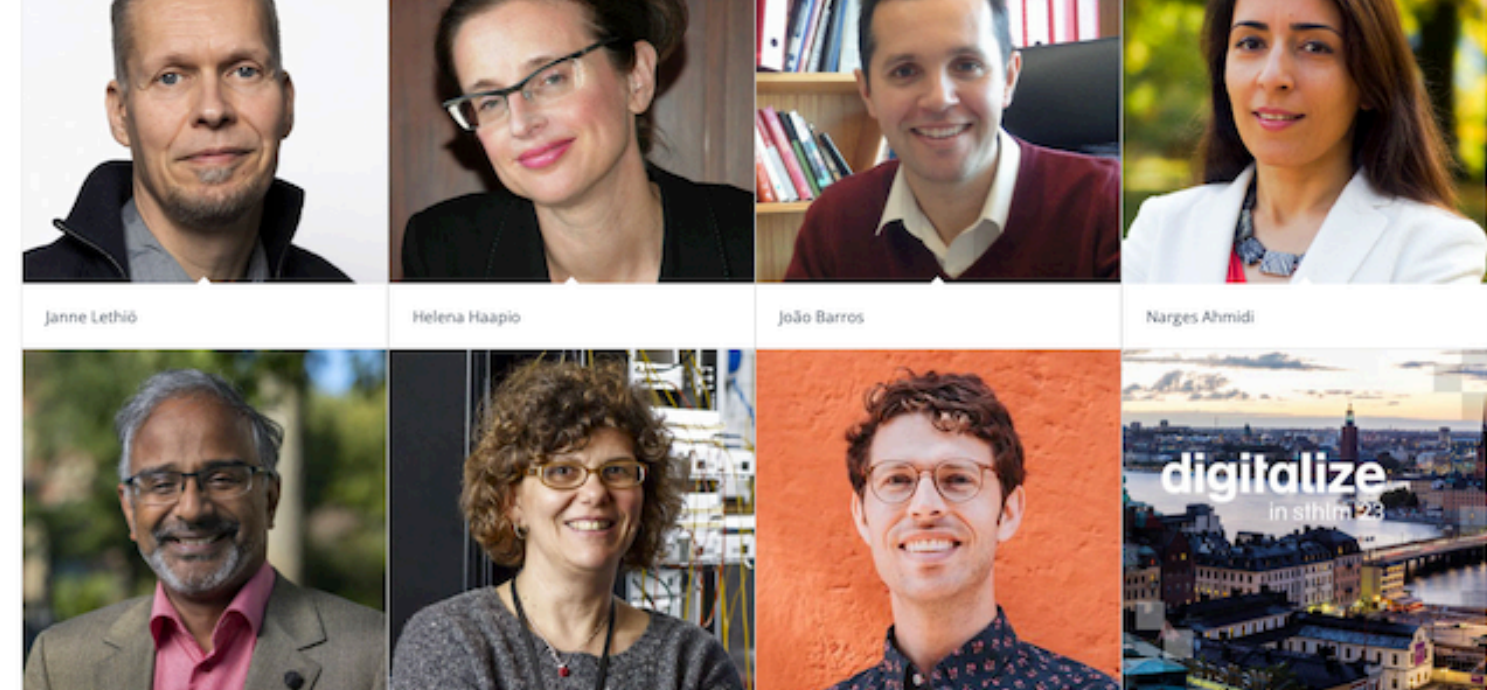
How to Design Trustworthy Robots – Jana Tumová at TEDxSSE

Discover the world of trustworthy robots in this insightful TEDx talk. Explore their potential impact, intricate mechanisms, and the delicate balance of trust. Learn how human behaviour and perception influence our interactions with robots. Gain insights into aligning engineering and human perspectives on trustworthiness. Trust the robots, but don't forget to read the manual.

“How to Design Trustworthy Robots” was the title of a talk by Digital Futures faculty member **Jana Tumová** at TEDxSSE in April. Jana is an associate professor at the Division of Robotics, Perception and Learning at KTH Royal Institute of Technology in Stockholm, Sweden. Her research group focuses on making robots move autonomously, safely and purposefully in various contexts ranging from autonomous driving to exploration with drones to robot navigation around people.

[Watch the TEDx talk “How to Design Trustworthy Robots” by Jana Tumová on Youtube](#)

DIGITALIZE IN STHLM 2023 on 18-19 OCTOBER



Join us in mapping productive paths to a collaborative future!

Digital Futures welcome to Stockholm and the Aula Medica stage: Janne Lethö, Helena Haapio, João Barros, Narges Ahmidi, Suresh Venkatasubramanian, Dimitra Simeonidou and Danny Spitzberg! We look forward to their talks at Digitalize in Sthlm '23.

The theme this year is COLLABORATION AND CONFLICT. Digital transformation requires collaboration on all levels, from human-machine teaming to interdisciplinary and cross-sectoral interactions. Yet, in a world ridden with conflict, it is a challenge to reconcile everyone's needs and make collaborations click.

Digitalize in Stockholm 2023 will be a hybrid event – ONSITE participation at Aula Medica or ONLINE via a digital platform. It is free of charge and hosted by Digital Futures. [REGISTRATION](#) is open!

[Stay tuned for the latest news about speakers, panels and research projects on Digitalize in Stockholm 2023 website.](#)

NEWS

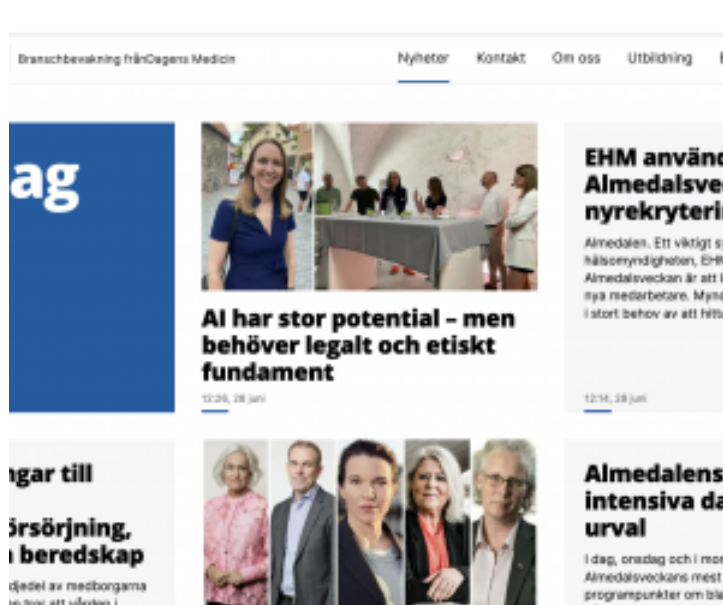


Photo: Jonny Sägänger (Digital Health)

AI has great potential – but needs a legal, ethical and moral foundation

AI has already had a real impact on society, not least thanks to the fact that the art of medicine and the art of engineering increasingly go hand in hand and, thanks to this, for example, develop diagnostic methods, said Anna Kiefer, COO Digital Futures, in a panel discussion at Almedalen Week...

[Panel discussion on AI at Almedalen Week](#)



NCCR Automation Fellowship

Digital Futures' sister environment, NCCR Automation in Switzerland is announcing fellowship positions, which might be interesting for some of our students and postdocs. NCCR Automation is inviting applications for a stipend for early-stage researchers from outside Switzerland to come and work in one of their labs for a period of up to six months.

[Link to more information about the NCCR Automation Fellowship](#)

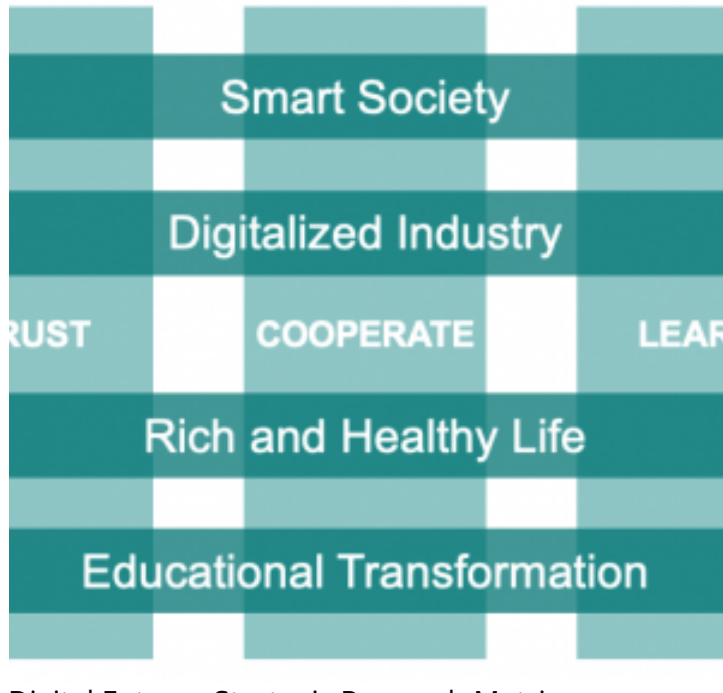
Open Calls



Call for Papers – European Control Conference 2024

Join the European control community in Stockholm for the 22nd [European Control Conference](#), hosted by KTH and Digital Futures on June 26-28, 2024, preceded by workshops on June 25. Conference proceedings are published on IEEE Xplore. Select papers with high review scores will be invited to a special European Journal of Control issue. **Submission opens on Sept 1, 2023.**

[Find out more on ECC24 Call for papers](#)



Digital Futures Strategic Research Matrix

Announcing call for Demonstrator projects

Projects that can demonstrate and disseminate technologies for digital transformation and its impact on society. Projects are expected to show novelty, high impact, and wide outreach.

Proposal submission deadline: 15 September 2023

Expected start of projects: January 2024

[More information and how to apply](#)

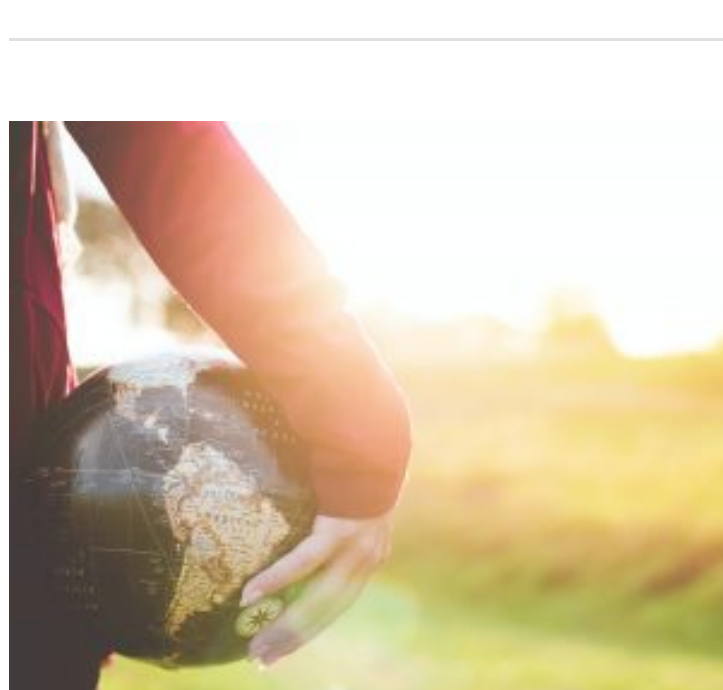


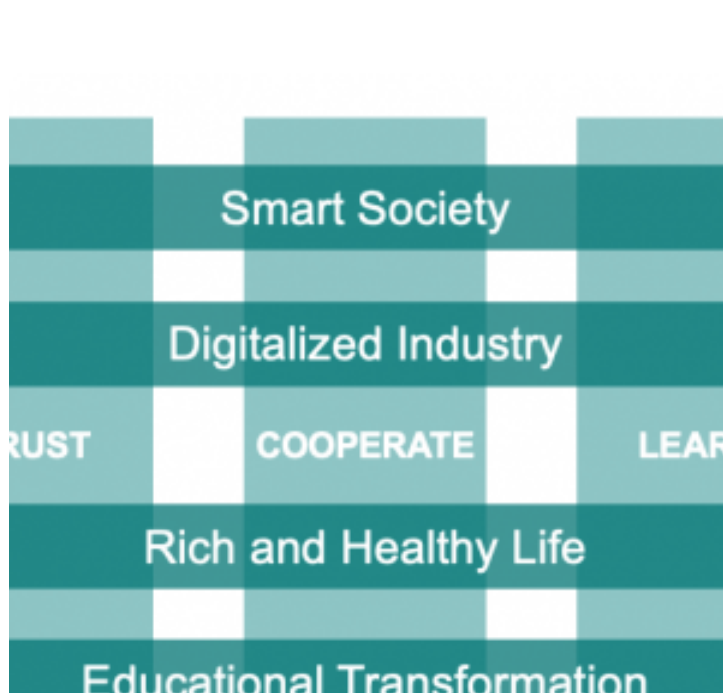
Photo: Unsplash

Open call: Scholar-in-Residence programme

Providing scholars at non-Swedish universities with financial support to enable short and longer-term visits to Digital Futures. How this time away from a home institution is used is flexible and for the scholar-in-residence to decide. Applications are possible every three months.

Next deadline: 18 September 2023

[Scholar-in-Residence programme](#)



Digital Futures Strategic Research Matrix

Open call: ISPP Mobility Grants

ISPP (Industrial and Societal Partnership Program) Mobility Grants are targeted at preparing/initiating new interactions between Digital Futures faculty and representatives of ISPP members. Applications are possible every three months.

Next deadline: 15 September 2023

[Open call: ISPP Mobility Grants](#)

Digital Futures seminars & workshops



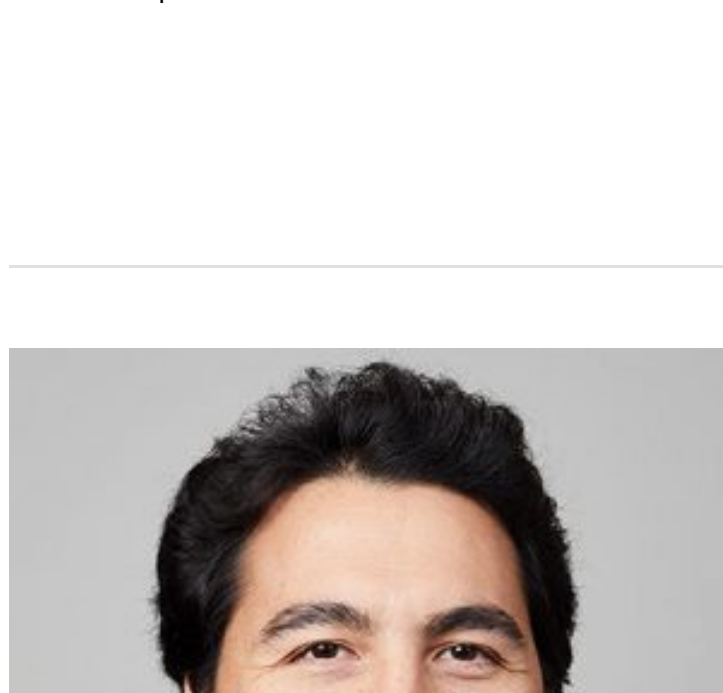
Photo: Unsplash

Advancing Industry 5.0: A Green Transition through Digitalization and Innovative Business Transformations

When: 12 September 2023
Where: Digital Futures hub OR Zoom
The workshop is co-organized by Digital Futures Seed Project Industry 5.0 research towards a circular economy and community building and the KTH Industrial Transformation Platform.

A maximum of 50 participants are onsite at Digital Futures cafeteria. The registration deadline is 5 September.

[Workshop on Advancing Industry 5.0](#)



Zachary Pardos

Distinguished lecture: Zachary Pardos, UC Berkeley

When: 13 September 2023
Where: Digital Futures hub OR Zoom
Title: Introducing an Open-source Adaptive Tutoring System to Accelerate Learning Sciences Experimentation

Abstract: Despite the decades-long establishment of effective tutoring principles, no adaptive tutoring system has been developed and open-sourced to the research community...

[Distinguished Lecture: Zachary Pardos](#)

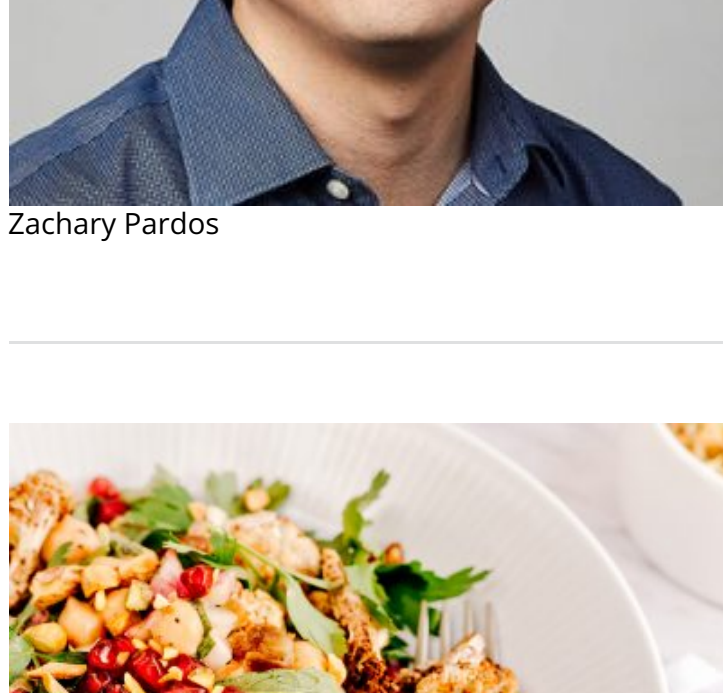


Photo: Unsplash

Digital Futures Faculty Lunch

When: 3 October 2023
Where: Digital Futures hub, Osquars Backe 5, floor 2 at KTH main campus

Registration is open for Digital Futures faculty members only.

Invitations are sent by mail to Digital Futures members. The last day to register is 25 September 2023!

[Digital Futures Faculty lunch](#)



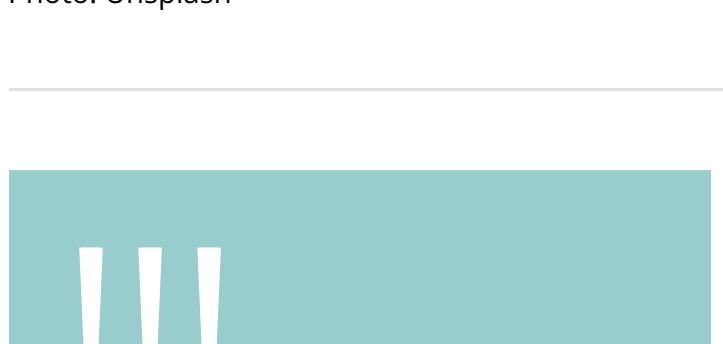
Photo: Unsplash

Workshop on Trustworthy Learning

When: 16 October 2023
Where: Digital Futures hub OR Zoom
The workshop is organised by the two collaborative projects DataLEASH and EXTERMUM funded by Digital Futures.

A maximum of 50 participants are onsite at Digital Futures cafeteria. The registration deadline is 1 October.

[Workshop on Trustworthy Learning](#)



Recorded talks

Archive – recorded talks

Did you miss any of all the great lectures, curtain talks, Fly-high Fika or Dive-deep lunch seminars? Don't worry, in **Archive - recorded talks**, you can watch most of our talks again.

[Archive - recorded talks](#)



stay tuned...

SIGN UP FOR INVITATIONS

Distinguished lectures, Curtain Talks, Fly High and Dive Deep lunch seminars... Look forward to many more exciting seminars, workshops and distinguished guest speakers during 2023.

[Sign up for event invitations here](#)



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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