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Universität St.Gallen

Computer Science Insights @HSG - School of Computer Science

Monday, April 29th, 2024 - 14:00, Rosenbergstrasse 30, 61-606

ICT and Sustainability

John Krogstie

ICT plays an important role in assuring both environmental, economic, and social sustainability. To support research on this topic the Center for Sustainable ICT - NTNU has been established to promote interdisciplinary and intersectoral approaches to ensure that the development and evolution of ICT solutions are done in a sustainable manner. There is an urgent need for the ongoing digitalization to both contribute to sustainability in other fields, and at the same time be sustainable in itself. Although there is a focus on environmental sustainability in different Climate Plans, this must be balanced with social, individual, economic, and technical sustainability as we develop new, innovative, holistic methods, technologies and solutions to support a sustainable digitalization of society. Prof. Dr. John Krogstie will in the talk present the focus and the main goals of the center, current results and plans for future activity and national and international collaboration. He will also talk about how we bring research results into the education and practical usage by the IT industry through close collaboration GoforIT – Bærekraftig digital fremtid (tankesmiengoforit.no).

John Krogstie (1967) holds a PhD (1995) and a MSc (1991) in information systems from the Norwegian University of Science and Technology (NTNU), where he is currently a full professor in information systems at the computer science department (IDI). At IDI he was Department Head 2017-2021. Director Center for Sustainable ICT - NTNU 2022- . John Krogstie is the Norwegian representative and previously Vice-Chair for IFIP TC8 and was chair of IFIP WG 8.1 on information system design and evaluations (2010-2015). His research interests are information systems development, information systems engineering, quality of models and modelling languages, neuroconceptualization, eGovernment, sustainable smart cities and sustainable digitalization in general. He has published more than 400 refereed papers in journals, books and archival proceedings since 1991.

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