DASAIT 2023- Design and application of socially- aware IT

Introduction for the Special Track at the ICDS 2023- The Seventeenth International Conference on Digital Society

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Focus of DASAIT and Information Systems Research (ISR)

⇒ Software products are used in diverse and numerous domains in business and practise

⇒ Computation power is high and supports the use of calculation-intensive code development and algorithms

⇒ Development of software artefacts that do not only strive for mathematical precision but also consider alternatives or system users is still rare

⇒ Socially aware information systems (SAIS) consider user-centred design of and human-cantered interaction as well as their effects beyond the direct use, i.e. the system and process environment

Socially- aware Information Systems: Research areas and research questions

Design process for socially aware information systems (SAIS)

Human-centered interaction with SAIS

Incorporating ethical and social values in SAIS design

Low-Code development of Information Systems

Decision support in business processes and decisional de-skilling
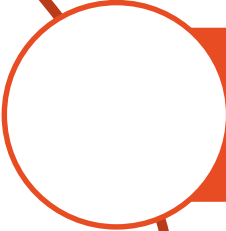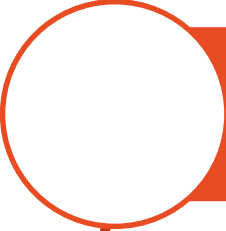
Design of socially-aware MLS

Some characteristics of SAIS design

Socially- aware information systems:

- Are business-problem centred
- Do not use behavioural or psychological means to elicit user data
- Consider users and the system environment form the requirement analysis on
- Do not have a personality, i.e., they do not „decide", „detect" or „recognize"
- Have an audit, testing and feedback mechanisms from the design on
- Have been tested in a laboratory environment or controlled conditions before market release
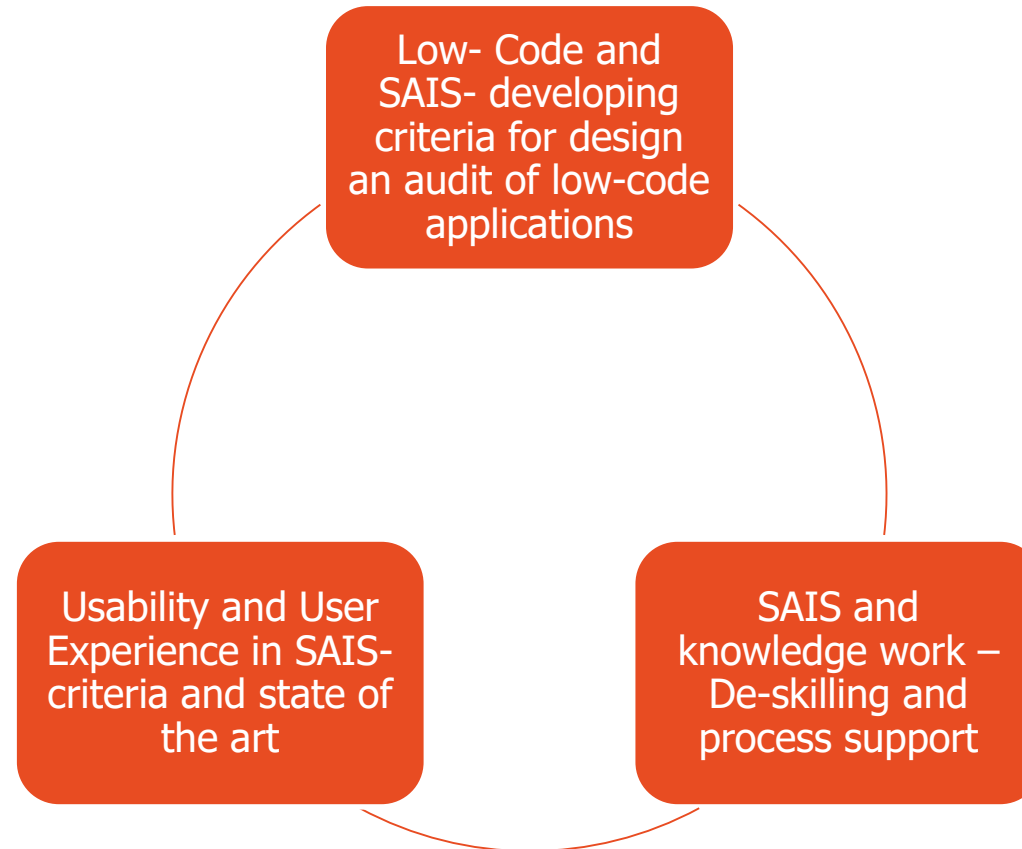
Content of the DSAIT 2023 Track

K. Frosch, O. Levina | Taking the Matter in their own Hands – Can Business Unit Developers Fulfill their Digital Demands with Low-Code Development Platforms?

O. Levina | Mobile Instant Messaging and User Interface Design - Different Age Groups, Different Requirements?

N. Wessel | Decision-Support Systems and Decision Making: Managing Decisional Deskilling in Human-DSS Interactions in Organizations. A Quantitative Study

Low- Code and SAIS- developing criteria for design an audit of low-code applications

Usability and User Experience in SAIS- criteria and state of the art

SAIS and knowledge work – De-skilling and process support

Thank you and enjoy the talks!