

Ever wondered what AI can do for engineers? AI applications for system engineers – “SE-buddy”

Traditionally human factors engineering has had focus on how to design technology, tools and equipment for others to use. Today engineers are catching up in need of design of user-friendly systems for their own work. The field of Human-System Integration promote to use traditional systems engineering methods and processes to design systems designed for its user. What does a system engineer do? How can AI assist a systems engineer in large projects? How can an AI application as an SE-buddy support novice engineers with on-boarding a mature large scale systems engineering project? It is anticipated that this combination of a complex engineering work domain and AI – technologies will require adaption and improvements of development and testing methods (risk of hallucination or lack of transparency). Master thesis in this project may include studies of current engineering tools and methods for advanced systems engineering as well as work analysis and user testing. A master thesis in this project may fall under categories like **Innovation** or **Operations**

Research project SE-buddy to be funded by VINNOVA – Advanced digitalization

Contact person: Pernilla Ulfvengren, pernilla.ulfvengren@indek.kth.se, 08-790 7840