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# AI 4 Soft. Eng. Soft. Eng. 4 Al



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### **Software Engineering Division**

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#### Arguably, the largest SE group in Europe

20 faculty members

80 MSEK/year external funding

# Artificial intelligence

is a major theme

 $AI \implies SE$ 







#### **Development of smart products**

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Autonomous driving



Smart scheduling of A/B tests



Autonomous **measurement** systems



Adjust antennas' power with weather



#### Vision and challenges

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System complexity explosion (SoS, IoT...)

⇒ Al-assisted software development (Al-designed, -tested, -operated systems?)

Expanding interface Al/human, at both dev-time and run-time

⇒ Ethical aspects of AI-\*systems



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