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AI 4 Soft. Eng. Soft. Eng. 4 AI



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Software Engineering Division

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

20 faculty members

80 MSEK/year external funding

Artificial intelligence
is a major theme

AI \Rightarrow SE

SE \Rightarrow AI



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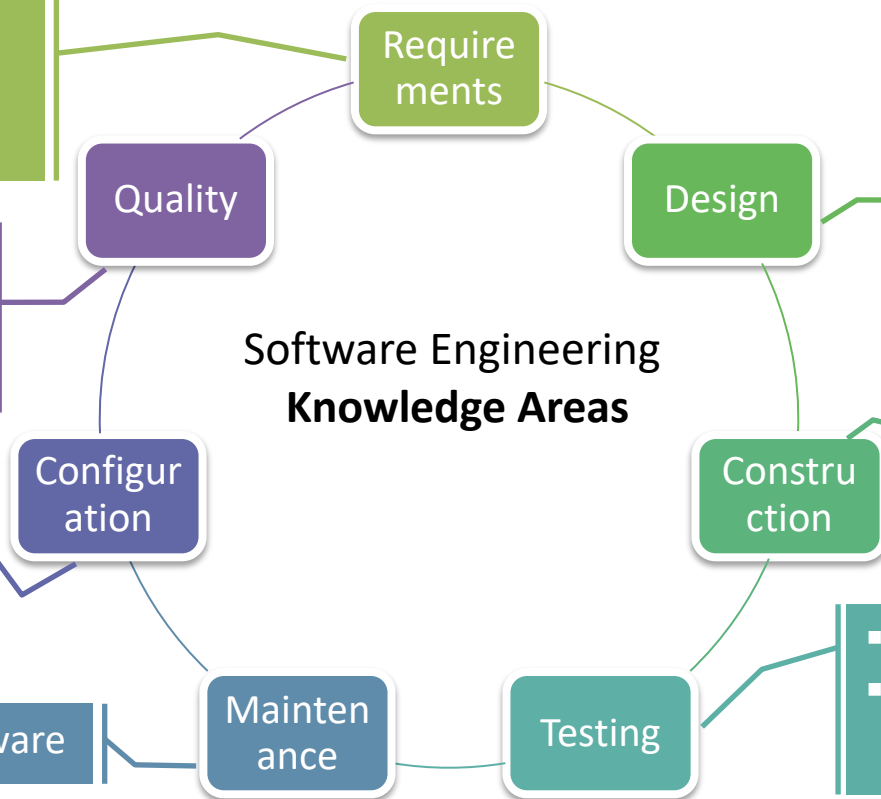
Smart development techniques

- Ident. knowledgeable stakeholders
- Automatic tracelinks ident.

- Prediction of faults and vulnerabilities
- Smart metrics

- Predict which feature a newly committed code belong to

- AI to explain software







- Generative secure design
- Theta architecture
- Decision making

- Predict performance problems @ coding
- Security dojo

- Test suite optimization
- Smart configuration of performance test suites

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Development of smart products

-  Autonomous **driving**
-  Smart scheduling of **A/B tests**
-  Adjust **antennas' power** with weather
-  Autonomous **measurement** systems
- ...