

Get these slides at:
scandariato.org/ai.pdf

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



Riccardo Scandariato

Associate Professor

Software Engineering Division

University of Gothenburg



riccardo.scandariato@cse.gu.se



www.scandariato.org

Get these slides at:
scandariato.org/ai.pdf

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



© www.Scandariato.photo

Get these slides at:
scandariato.org/ai.pdf

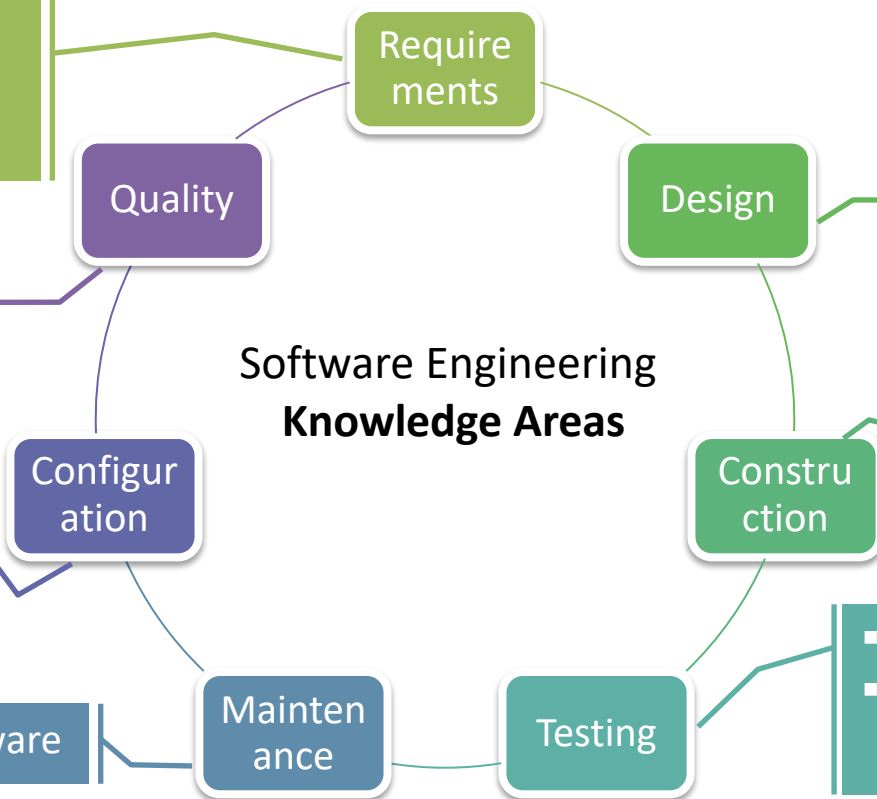
Smart development techniques

- 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

Get these slides at:
scandariato.org/ai.pdf

Development of smart products

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