Industrial Digitalisation in Production

- Industrie 4.0 / Smart Industry
- 5G Connectivity
- Digital Twins
- Cognitive Automation vs. jobs
- Human/robot collaboration
- Big data for maintenance
- Digital material modelling
- Additive manufacturing

Digitalisation Facilities and Testbeds

- Wingquist Laboratory
- Chalmers Smart Industry Lab
- Chalmers EU Digital Innovation Hub
- Chalmers Virtual Development Lab
- Additive Manufacturing
Chalmers project example

5GEM – 5G-Enabled Manufacturing

Connectivity demonstrators for Industry 4.0

Prof. Johan Stahre
Chalmers project example

Smart Assembly 4.0
The autonomous, self-optimizing, robotized assembly line

Funding agency: SSF
Budget: 32 MSEK
Duration: 5 years
Chalmers project example

AM@Chalmers
From materials to end product and closed-looping
14 Running project titles in different parts of the process chain