

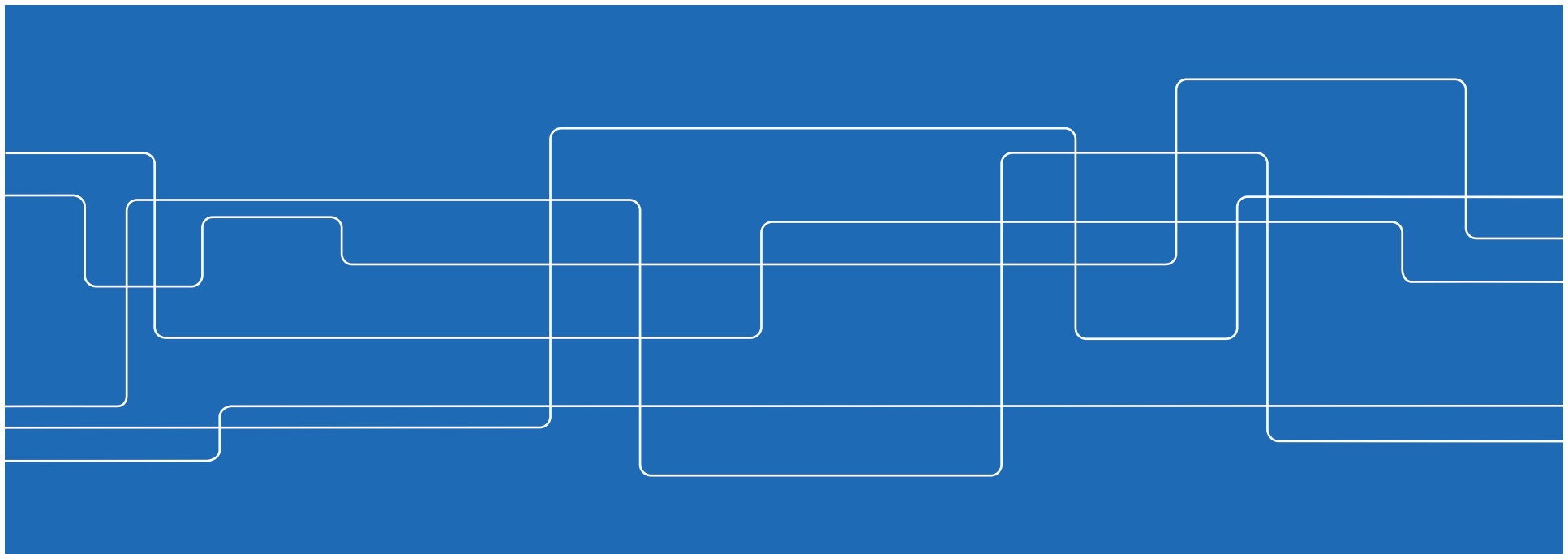


TECoSA - Trustworthy Edge Computing Systems and Applications

VINNOVA Competence Centre

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James Gross



- Professor at KTH Stockholm
- Research focus:
 - Cellular networks
 - Machine-type communications
 - Network performance models
 - Edge computing



Edge Computing and Challenges



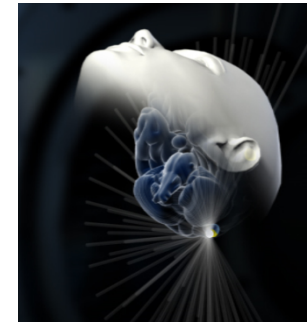


Use Cases of Industrial Partners

Power-Tool Analytics

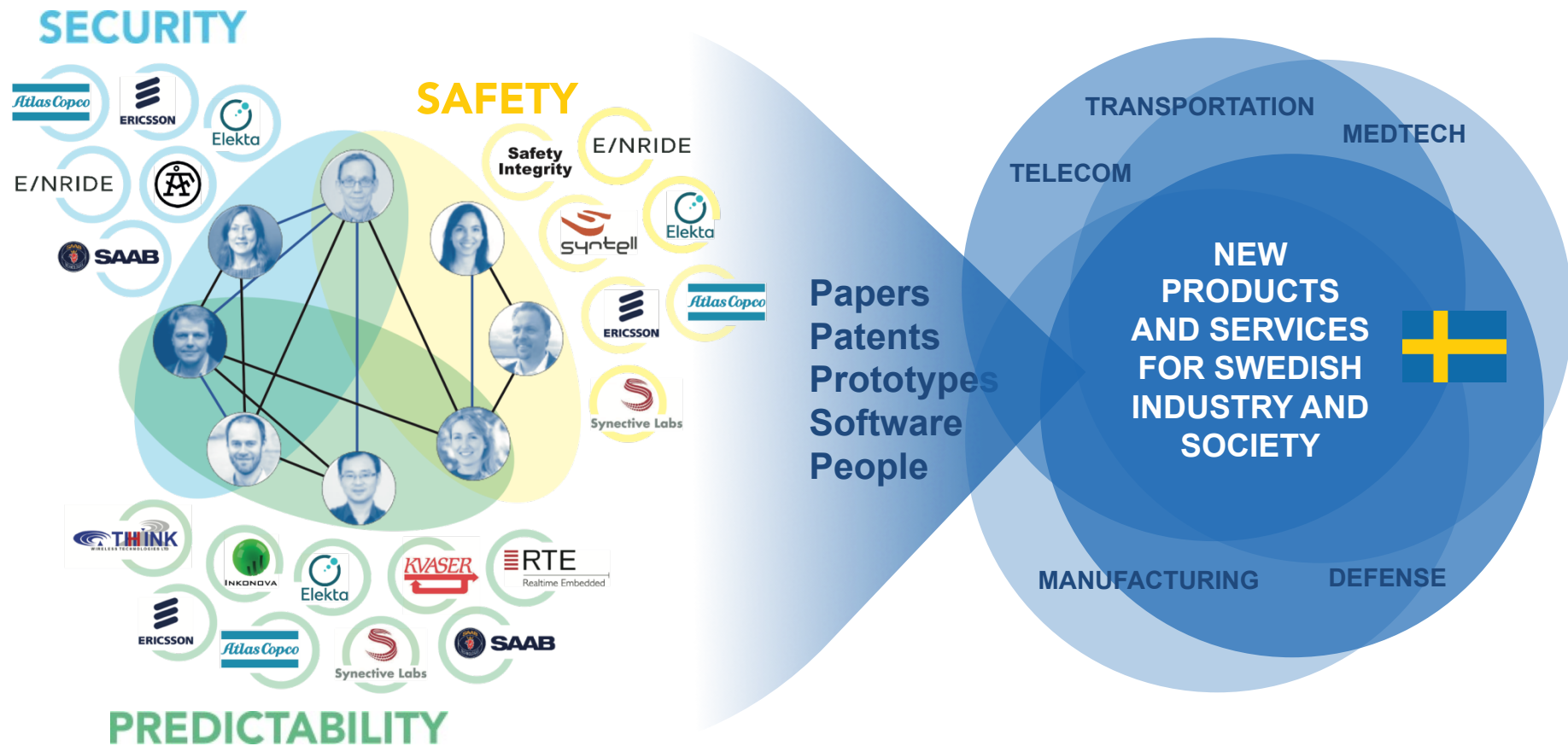


Patient-in-the-Loop





TECoSA Competence Centre Mission





TECoSA in Numbers

- Starts in January 2020
- 9 academic PIs:
 - Embedded, networks, security, safety, automation, AI, HCI
- 13 industrial partners
 - SAAB, Ericsson, Atlas Copco, Elekta, AF, Einride
 - 7 smaller companies and consultancies
- ~ 1.5 M\$ funding per year, equaling about 15 PhD students and postdocs, funding provided for 5+5 years



Synergies TECoSA <-> OEC

- TECoSA also represents an academic/industrial initiative
- How to benefit from each other?
 - TECoSA now in the ramp-up phase
 - Participation by TECoSA in OEC work streams, definition of joint work streams?
 - Joint establishment of testbed infrastructure?