CASTOR

Center for Advanced Software Technology Research

Inaguration and Celebration

CASTOR

- Academia-industry joint research center
- Software technology
- First period: May 2018 – May 2021

CASTOR objectives

- Train world-class graduates
- Foster academia-industry collaborations
- Emphasize open science and innovation
- Structure the Software Area at KTH
- Deliver software tools

CASTOR research areas

- Reliability
  - Testing, repair, fault injection, continuous integration
- Security
  - Formal verification, SW/HW, diversity, information flow
- Data-driven systems
  - Distributed systems, analytics, machine learning
- Embedded systems
  - Languages, verification, compilation

CASTOR activities

- Industry PhD students
- Seed projects
- Collaborative projects
- Mutual benefits:
  - Visibility
  - Shared understanding of problems and solutions
  - Access to highly qualified candidates

CASTOR's operations

- ## Management staff
  - B. Baudry, C. Schulte, M. Dam, F. Loiret, G. Agren, M. Printzsköld, A. Leyton
- ## Board
  - Catrin Granbom, Stefan Andersson, Jens Zander
- ## Students, faculty, engineers
- ## Research environment
  - Swedish and EU Universities, software companies, funding agencies, WASP

CASTOR is open

- Open source software
- Open access publications
- Open science
- Open to new partnerships

- 15h30 – 16h30
  - "SAAB Challenges and Vision", Ingemar Söderquist
  - "Ericsson Challenges and Vision", Diarmuid Corcoran
- 16h30 – 16h45 : Break
- 16h45 – 18h15 :
  - "From Blame Game to Knowledge Co-Creation – Swedish Industry-Academia Collaboration in Software Engineering", Robert Feldt
  - "From High-Risk Design Work to a Fruitful Research Centre", Kristina Höök
- 18h15 – 18h40 : Break
- 18h40 – 19h15 :
  - Pontus de Laval – CTO SAAB
  - Magnus Frodigh – Acting Head of Research at Ericsson
  - Annika Stensson Trigell – KTH Vice-President for research).