CASTOR
Center for Advanced Software Technology Research

Inauguration 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).