

## Welcome to the Software Center reporting workshop

June 13, 2019

Hotell 11, Gothenburg

**Time:** 10:00 – 17:00 (coffee & registration 09:30-10:00)

**Place:** Hotell11, Gothenburg

**Address:** Maskingatan 11, Gothenburg

### Agenda

09:30-10:00: Coffee & registration

10:00-10:15: Welcome & introduction: Jan Bosch

10:15-10:45: Industrial perspectives:

- Jeppesen: Cathrine Davidson, Mats Lindahl
- Wärtsilä: Tomi Voullet

10:45-11:15: Theme presentations:

- Continuous Delivery: Kristian Sandahl
- Continuous Architecture: Jan Carlson
- Metrics: Miroslaw Staron
- Customer Data- and Ecosystem-Driven Development: Helena Holmström Olsson

11:15-12:30: Exploration space & coffee  
– overview of Software Center projects

or

11:45-12:30 Product management meeting

12:30-13:30: Lunch at the Hotell 11 restaurant

13:30-15:30: In-depth theme sessions (30 min x 4)

- Continuous Delivery
- Continuous Architecture
- Metrics
- Customer Data- and Ecosystem-Driven Development

15:30-15:50: Coffee break

15:50-16:05: CHAIR and WASP - AI initiatives at Chalmers: Ivica Crnkovic

16:05-16:20: AI Competence for Sweden: Jan Smith

16:20-16:50: Software Center - 9 years and plans for the next decade: Jan Bosch

16:50-17:00: Summary and closing: Jan Bosch



#### Contact us

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For agenda up-dates, visit the Software Center web site

[www.software-center.se](http://www.software-center.se)

**CHALMERS**



UNIVERSITY OF GOTHENBURG



MÅLARDALEN UNIVERSITY  
SWEDEN



MALMÖ UNIVERSITY



LINKÖPING  
UNIVERSITY



**ERICSSON**



JEPPESEN



BOSCH

CEVT

**AXIS**  
COMMUNICATIONS

**GRUNDFOS**



qamcom

**SIEMENS**

WÄRTSILÄ

## Theme 1: Continuous Delivery

- # 18: **Data Visualization for Continuous Integration:** Kristian Sandah, Azeem Ahmad
- # 6: **Enterprise Scale Continuous Integration and Delivery:** Daniel Ståhl, Torvald Mårtensson
- # 29: **Modeling and Analyzing Collaborating Machines:** Marjan Sirjani, Ali Sadaghat
- # 30: **Aspects of automated testing:** Kristian Sandahl, Azeem Ahmad, Francisco Gomes

## Theme 2: Continuous Architecture

- # 2: **Managing Architectural Technical Debt:** Antonio Martini, Terese Besker
- # 34: **Safety Assurance in Continuous Deployment:** Sasikumar Punnekkat
- # **Managing Modelling Inconsistencies:** Jan Carlson

## Theme 3: Metrics

- # **Anomaly detection in customer measurements using machine learning:** Rahim and Sreetah
- # **MeBoTS: Methods for test verdict predictions:** Khaled Al Sabbagh
- # **DeVeLOP: Machine learning components in modern cars:** Lars Tornberg

## Theme 4: Customer Data- and Ecosystem-Driven Development

- # 5: **Accelerating Digitalization Through Data:** Helena H. Olsson, Jan Bosch
- # 9: **Strategic Ecosystem-Driven R&D Management:** Helena H. Olsson, Jan Bosch
- # 19: **Data-Driven Continuous Evolution of Autonomous Systems of Systems:** David Issa Mattos, Jan Bosch, Helena H. Olsson
- # 26: **API Strategies:** Jennifer Horkoff, Juho Lindman, Eric Knauss
- # 27: **Requirements Engineering for Large-Scale Agile System Development:** Eric Knauss, Jennifer Horkoff, Rashidah Kasauli, Jan-Phillip Steghofer, Rebekka Wohlrab
- # 33: **HoliDev:** Aiswarya Raj, Lucy Lwakatare, Jan Bosch, Ivica Crnkovic, Helena H. Olsson

# Product Management meeting: 11.45-12.30



## Product Management meeting Room: Teatern (plenary)

Meeting for product managers, focusing on the implications of digitalization  
Chairs: Jan Bosch & Helena Holmström Olsson

## Theme sessions: 4 tracks

Time: 13.30-15.30



### Theme 1: Continuous Delivery

Chair: Kristian Sandahl

- 13.30-14.00: #18: Data Visualization for Continuous Integration: Azeem Ahmad
- 14.00-14.30: #30: Flaky tests: Azeem Ahmad
- 14.30-15.00: #30 Similarity-based testing: Francisco Gomes
- 15.00-15.30: Enterprise Scale Continuous Integration and Delivery: Torvald Mårtensson



### Theme 2 & 1: Continuous Architecture & Continuous Delivery

Chair: Jan Carlson

- 13.30-14.00: # 2: Managing Architectural Technical Debt: Antonio Martini, Terese Besker
- 14.00-14.30: # 34: Safety Assurance in Continuous Deployment: Sasikumar Punnekkat
- 14.30-15.00: Managing Modelling Inconsistencies: Jan Carlson
- 15.00-15.30: # 29: Modeling and Analyzing Collaborating Machines: Ali Sadaghat



### Theme 3: Metrics

Chair: Miroslaw Staron

- 13.30-14.00: Anomaly detection in customer measurement: Rahim and Sreetah
- 14.00-14.30: MeBoTS: Method for test verdict prediction: Khaled Al Sabbagh
- 14.30-15.00: DeVeLOP: Machine learning components in modern cars: Miroslaw Staron, Darko Durisic
- 15.00-15.30: AI in Software Center

**15.00-15.30: AI in Software Center  
- ongoing and future initiatives  
(Theme 3 & 4)**

Miroslaw Staron, Jan Bosch,  
Helena Holmström Olsson

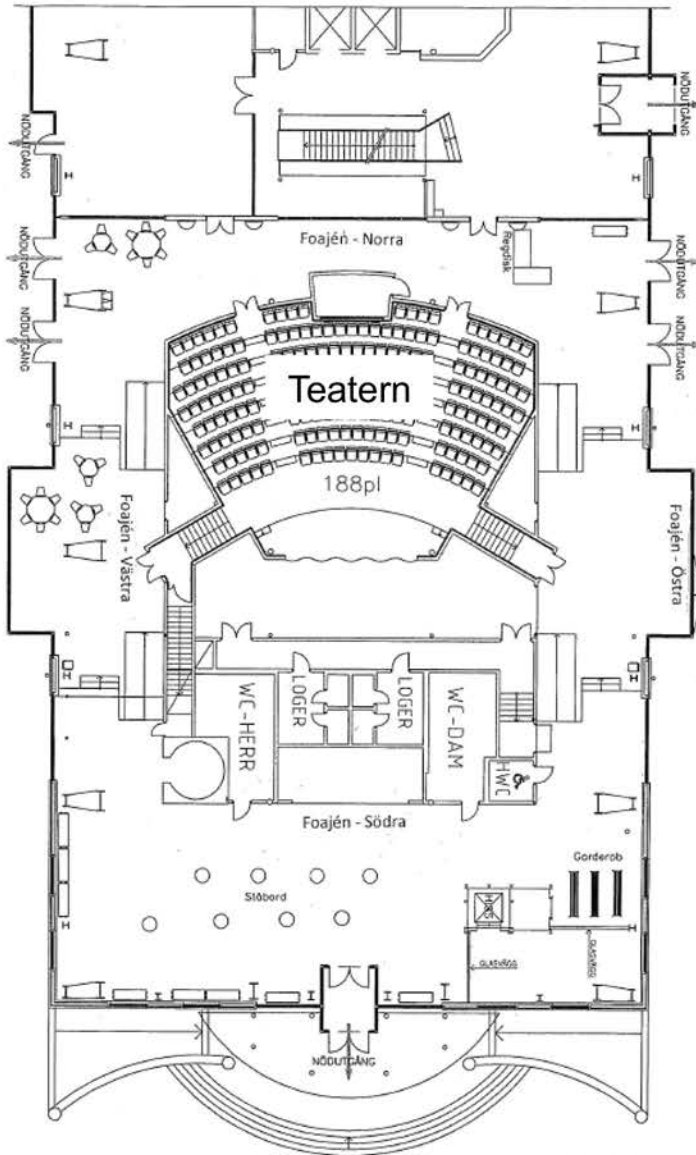


### Theme 4: Customer Data- and Ecosystem-Driven Development

Chair: Helena Holmström Olsson

- 13.30-13.45: #5: Accelerating Digitalization Through Data: Helena H. Olsson
- 13.45-14.00: #9: Strategic Ecosystem-Driven R&D Management Helena H. Olsson
- 14.00-14.15: #26: API Strategies Jennifer Horkoff
- 14.15-14.30: # 27: Requirements Engineering for Large-Scale Agile System Development: Jennifer Horkoff
- 14.30-14.45: #19: Data-Driven Continuous Evolution of Autonomous Systems of Systems: David Issa Mattos
- 14.45-15.00: #33: HoliDev: Aiswarya Raj
- 15.00-15.30: AI in Software Center

# Map of event site at Hotel11



**Product Management meeting: 11.45-12.30**

**Teatern (plenary)**

**Theme sessions 13.30-15.30:**

**Theme sessions**

- **Continuous Delivery**
- **Continuous Architecture**
- **Metrics**
- **Customer Data- and Ecosystem-Driven Development**