



# Conference in screw joining technology

## With focus on knowledge management

### Conference program

#### Day 1, Wednesday, October 4

09:00 Registration and mingle

10:00 Welcome

#### 10:15 Assembly & Control Technique

*Erik Persson, Atlas Copco:*

Verification of permanent elongation during assembly using ultrasonics

*Lars Oxelmark, Scania:*

Tightening technology at Scania

*Thomas Hermansson, Volvo Cars:*

Interactive guideline for design and assembly of screw joints

#### 12:00 Lunch

#### 13:15 Fasteners and screw joints

*Christine Rohr, Coventya:*

Hydrogen embrittlement effects in electrolytic surface treatment

*Reinhard Totzauer, Klingel:*

Flow drill screws for automotive applications

*Philip Lejon, Bulten:*

Screw joints for electrical vehicles

#### 15:00 Coffee

#### 15:30 Testing & Evaluation

*Filip Bergman, Volvo Trucks:*

Proposed standard tests for interface friction and settling in paint

*Göran Toth, Scania & Robert Indersons, Bulten:*

Proposed new standard for assembly friction

*SFN & Filip Bergman, Volvo Trucks:*

What could possibly go wrong in a screw joint?

#### 19:00 – 22:00 Boat trip and dinner

**Place:** Comfort Hotel, Skeppsbroplatsen 1, Gothenburg, Sweden

**Time:** Wednesday October 4, 10.00–17.00 to

Thursday October 5, 09.00–13.30 (Study visit, 14.00–16.00)

**Language:** English

**Price:** Day 1: 1 750 SEK

Day 2: 1 750 SEK

**Boat trip/dinner:** 1 000 SEK

**All above:** 4 000 SEK

**Last registration date:** September 29

#### Day 2, Thursday, October 5

#### 09:00 Knowledge Management & Education

*Marcus Fischer, Atlas Copco:*

Education and certification of engineers working with fasteners in Germany

*Prof. Magnus Evertsson, Chalmers:*

Education regarding threaded connections at Chalmers University of Technology

*Emmy Öhlund, Nedschroef:*

The importance of knowledge management in times of a rapidly changing automotive industry

#### 10:30 Coffee

#### 11:00 Modeling & Calculation

*Prof. Cristoph Friedrich, University of Siegen:*

Keys for future of fastening systems – 3D-printing, Digitalization, Simulation of behavior, and Education of experts

*Thomas Hermansson, Volvo Cars &*

*Jan Skogsmo, Swerea IVF:*

Discussion around quality assurance of torque + angle tightened joints

#### 12:30 Lunch

#### 14:00 Study visits

*Bulten Sweden, Arendal:*

Friction measurement and assembly control

*Volvo Cars, Torslanda:*

The Blue train – a trip around Volvo Cars final assembly plant

#### 16:00 Back to hotel, end of conference

