Program Nordic SE Tour 2019 – Oslo – 18. September
Venue: IBM, Lakkegata 53, 0187 Oslo, Norway

Start	Speaker	Topic and summary
0830	Networking / coffee	
0900	Kirsten Helle President NORSEC	Opening and Welcome
0915	David Long, ESEP President Vitech and INCOSE Past President	**DE, v2, and 2.0: A Discussion of All SE Things Model-Based and Digital** For the past 15 years, systems engineering has sought to transform itself to model-based approaches. Today we speak of digital thread, digital twin, and digital engineering. Where are we today, and how will we move forward in the context of the emerging digital engineering strategies, Object Management Group's SysML v2, and the greater digital transformation?
1000	Kjell Bengtsson VP Jotne	**Why AI needs standardized Information models** The Arrowhead Tools project aims for digitalization and automation solutions for the European industry, which will close the gaps that hinder the IT/OT integration by introducing new technologies in an open source platform for the design and run-time engineering of IoT and System of Systems.
1040	Pause / networking	
1100	Antoine Rauzy Professor, NTNU	**Teaching domain specific language to students – preparing the next generation of engineers**
1145	Lunch in cantina	
1230	Richard Beasley, ESEP	**Make Systems Engineering the way engineering is done and planned** The benefits of Systems Engineering in terms of increasing the probability of project success and reducing rework are well established. The talk addresses the important question of how to embed and utilize the Systems Engineering practice into the work so that the advantages are realized.
1315	Colin Williams, IBM / Michael Bible, ESEP, AkerBP	**Applying the V model into Oil and Gas Upstream Engineering and Projects, with an experience report** Delivering Complex projects requires a combination of skills for a successful delivery. This presentation describes how Aker BP and IBM have introduced the topic of Systems Engineering and Requirements Management into a working methodology within Upstream Project Mgt and Engineering.
1400	Pause / networking	
1415	Paul Davies Principal Consultant and Course Facilitator	**Interface Management - The neglected orphan of Systems Engineering** Interface Management is perceived as a critical skill in the engineering of successful systems, but finding useful material on the subject proves elusive. This presentation explores some of the characteristics of this gap, and strings together some of the key concepts in best practice.
1500	Tom Gilb Author	**HOW TO PLAN FOR THE UNKNOWN**
1545	Kirsten Helle	Wrap-up and adjourn

Registration:
Send an email to cecilia.haskins@incose.org to register your intention to attend so that we can plan for an adequate room and sufficient refreshment.
There is no charge this year, but please register by 12. September.
Walk-ins are permitted.

About the speakers:

Richard Beasley joined Rolls-Royce in 1986. After experience in Integration Aerodynamics, Safety, Reliability and Life Cycle Engineering he was made a Rolls-Royce Associate Fellow in Systems Engineering in 2011. He was part of an author for BKCASE SEBoK, one of leading authors of the INCOSE SE competency framework, and is a Past-President of the UK INCOSE Chapter. He is a Chartered Engineer, Fellow of the Royal Aeronautical Society, and INCOSE ESEP, and was a Visiting Fellow to the Systems Centre at Bristol University.

Kjell A. Bengtsson, is a Vice President in Jotne, has a Mechanical Engineering background and a diploma in Marketing. He started out at Volvo Car and General Electric doing CAD/DB applications and later management positions, and is now VP at Jotne EPM Technology, a world leader in PLCS/STEP/Express applications. Kjell has been a contributor to the STEP, PLCS and other related (ISO TC84/SC4) standards for the last 25 years and is actively involved in neutral database implementation projects in the most complex defense and aerospace sector projects. Kjell is a Member of the Board of the PDES, Inc organization and supports other industry organizations like FSI, ASD, Energy Valley and more.

Mike Bible is a certified Project Director (IPMA-A), credentialed PMI project manager (PMP) and expert certified system engineering professional (ESEP), with proven international experience applying technical and managerial expertise in diverse large-scale complex project environments.

Paul Davies is presently semi-retired after a long career in industry in the UK. He served in multiple roles within INCOSE as representative of EMEA and Director for Outreach. He is a Chartered Engineer and a INCOSE UK Past President. For ten years he was a visiting Professor at Loughborough University.

Tom Gilb is the author of thirteen books and hundreds of papers. His book 'Competitive Engineering' is a substantial definition of requirements ideas. Tom has guest lectured at universities all over UK, Europe, China, India, USA, Korea – and has been a keynote speaker at dozens of technical conferences internationally.

For over 25 years, **David Long** has focused on helping organizations increase their systems engineering proficiency while simultaneously working to advance the state of the art. David is the founder and president of Vitech where he leads the team in delivering innovative, industry-leading methods and software (CORE™ and GENESYS™) to help organizations engineer next-generation systems. He co-authored A Primer for Model-Based Systems Engineering and frequently delivers keynotes and tutorials at industry events around the world. An INCOSE Fellow and Expert Systems Engineering Professional (ESEP), David was the 2014/2015 president of INCOSE.

In addition to his professorship at NTNU, **Antoine Rauzy** is also Professor at Centrale-Supélec (Châtenay-Malabry, France) and Director of the Chair Blériot-Fabre, "Dependable Embedded Systems". His presentation to this audience in 2017 on Foundations for Model-Based Systems Engineering and Model-Based Safety Assessment was published in an article in *Systems Engineering*. His research areas include Algorithm Development, Software Development, and Safety Engineering.

Colin Williams is one of IBM´s experts within the focus area of Internet of Things. He is advising worldwide organizations & industry forums on how to leverage IoT strategies, by developing new inter connected business models & innovative offerings by infusing instrumentation, interconnection and intelligence into systems that drive human progress and economic growth.