

Workshop on Low Adhesion Management

Final Programme

April 16, 08:30 – 16:00

Technical University of Denmark

Venue: DTU Building 324, 2nd Floor, Meeting Room / Café 240.

See directions below

Workshop objectives:

To gain an overview of some international experiences with low adhesion problems and different approaches to their management. The workshop will address problems and solutions as seen from the perspective of train operators, infrastructure organizations and safety authorities.

8:30	<p>Welcome Bjarne Ersbøll, Professor DTU</p> <p>Some workshop background Torben Kronstam, Director DSB Danish State Railways</p> <p>Introduction to Workshop Programme Jacob Thommesen, Senior Researcher DTU</p>
8:50	<p>Arjan Rijnard (Rijnaard Management Consultancy) Title: <u>Low adhesion management in The Netherlands - an overview</u> Abstract:</p> <ul style="list-style-type: none">• What's the problem?• What causes the problem?• How do TOC and Infra manager work together?• What does the TOC do?• What does the Infra Manager do?• Setup of Sandite campaign (biggest mitigation measure) since 1998
9.35	<p>Dr Peter Spiess (Deutsche Bahn) Title: <u>Some aspects and experiences on autumn brake performance</u> Abstract:</p> <ul style="list-style-type: none">• Review of the German experience• The operation of sanders• Some aspects of WSP systems
10.20	<p>Coffee break</p>
10.30	<p>Detlef Scholdan (ELH Eisenbahnlaufwerke Halle) Title: <u>Braking in slippery conditions – questions for testing and practice</u> Abstract:</p> <ul style="list-style-type: none">- special question for type brake tests with anti-skid devices in relation to the characteristic of the vehicle- brake power in relation to probability of the necessary available friction coefficient- psychological question for the brake handling by the driver

11.15	<p>Daniel Mann (ATOC) Title: <u>Driver-oriented approaches to low adhesion – a GB Rail perspective.</u> Abstract:</p> <ul style="list-style-type: none"> • Professional Driving Policy – a GB Rail overview – ‘practical solutions, for practical people, to a technical problem’ • Challenges in a multi-traction type environment: consistency versus variability • Working with the Infrastructure Manager • Case study • Good practice development and lesson sharing.
12.00	<p>Lunch at the DTU Faculty Club, Building 101 (5 minutes walk)</p>
13.00	<p>Jason Bridges and Tony Jackson (Network Rail) Title: <u>Managing the GB Rail Network during autumn</u> Abstract:</p> <ul style="list-style-type: none"> - continual measuring and data collection - sharing best practice - innovation - engineering solutions
13.45	<p>Rickard Nilsson (Stockholm Local Traffic) Title: <u>Practical experiences and research in the area of low adhesion from Stockholm Public Transport</u> Abstract:</p> <ul style="list-style-type: none"> • What is available and what is the demand when it comes to friction in the wheel/rail-contact • Influence of leaves on the wheel/rail-friction • Other phenomenon/causes than leaves that may influence the wheel/rail-friction • Detection of contaminating layers on the rail by use of the “RailEye” and measurement of friction • Prediction of friction in the wheel/rail-contact • Practical experiences from the Stockholm Public Transport
14.30	<p>Coffee break</p>
15.00	<p>Discussion based on topics</p> <ul style="list-style-type: none"> • Detection/monitoring of low adhesion • Technical solutions on the train • Infrastructure management • Driver-oriented solutions • Other? <p>(Discussion based on presentations and questions from participants)</p>
15.50	<p>Closing remarks Niels Axel Nielsen, Director, DTU</p>

Directions:

Department of Applied Mathematics and Computer Science,

Technical University of Denmark,

Richard Petersens Plads, Building 324, 2nd Floor, Meeting Room/ Café 240

DK-2800 Kgs. Lyngby, Denmark

Phone: (+45) 4525 3413

Map: http://www.dtu.dk/Om_DTU/dtu_vejviser/DTU_campus_lyngby.aspx

Building 324 is the new glass and steel building among all the older yellow brick buildings. Entrance at the arrow North or South of Building 324. Up 2 floors.

Parking easiest on Richard Petersen’s Plads or under the trees by Asmussens Allé.

Signaturforklaring

- Institutter
- Oticon Salen
- Administration mv.
- Campusservice
- Kollegier og gæsteboliger
- Scion DTU
- Undervisningsbygninger
- Busholdeplads
- Kantine
- DTU Bibliotek
- DTU Mødecenter

Building 324
Meeting room 240



Workshop on Low Adhesion Management, 16-04-13, 8:30-16:00, DTU - **List of participants**

Name	Company, organisation	Position	Participation	Mail
<u>Arjan Rijnaard</u>	Rijnaard management consultancy	Manager	Invited lecture	arjan@rijnaard.com
<u>Dr. Peter Spiess</u>	Deutsche Bahn	Senior Engineer – Bremse und Kupplungen	Invited lecture	Peter.A.Spiess@deutschebahn.com
<u>Detlef Scholdan</u>	ELH Eisenbahnlaufwerke Halle	Design Manager	Invited lecture	D.Scholdan@elh.de
<u>Daniel Mann</u>	ATOC	Operations Manager	Invited lecture	daniel.mann@atoc.org
<u>Jason Bridges</u>	Network Rail	National Weather specialist	Invited lecture	jason.bridges@networkrail.co.uk
<u>Rickard Nilsson</u>	Stockholm Local Traffic	Technical Systems Strategist	Invited lecture	Rickard.nilsson@sl.se
<u>Tony Jackson</u>	Network Rail	Infrastructure Specialist	Invited lecture	Tony.Jackson@networkrail.co.uk
Sören Stark	Strukton Rail AB	Underhållsstrateg/Maintenance strategist	Confirmed	soren.stark@strukton.se
Ralf Davidsson	MeteoGroup	General Manager	Confirmed	ralf.davidsson@meteogroup.com
Niels Hansen	Banedanmark	Risk Manager	Confirmed	nhan@bane.dk
Bo Nielsen	Banedanmark	Track System Supervisor	Confirmed	bnie@bane.dk
Kirsten Kornerup	Banedanmark	Områdechef	until 12 – no lunch	kkjo@bane.dk , BMPS@BANE.dk
Diana R. Jørgensen	Trafikstyrelsen	Fuldmægtig	Confirmed	DRJ@trafikstyrelsen.dk
Lars Mortensen	Trafikstyrelsen	Civilingeniør	Confirmed	lmo@trafikstyrelsen.dk
Torben Kronstam	DSB	Vicedirektør, programchef	Confirmed	tokr@dsb.dk
Lars Slott Jensen	DSB	Technical Programme Director	Confirmed	larsslott@dsb.dk
Jeppe Juul Lauridsen	DSB	Underdirektør, Sikkerhed	Confirmed	jjl@dsb.dk
Morten Kjellerup	DSB	Systemansvarlig, Færdselssikkerhed	Confirmed	mkje@dsb.dk
Michael Erik Hansen	DSB	Lokomotivinstruktør	Confirmed	meh@dsb.dk
Bo Haaning	Havarikommissionen	Souchef Havarikommissionen	Confirmed	boh@havarikommissionen.dk
Bjarne Kjær Ersbøll	DTU Compute	Professor, sektionsleder	Confirmed	bker@dtu.dk
Peder Klit	DTU Mechanical Engineering	Ingeniørdocent	Confirmed	klit@mek.dtu.dk
Niels Steinfeldt Jensen	DTU Mechanical Engineering	Laboratorieingeniør	Confirmed	nstje@mek.dtu.dk
Anders Stockmarr	DTU Compute	Senior Scientist	Confirmed	anst@dtu.dk
Jacob Thommesen	DTU Management Engineering	Senior Scientist	Confirmed	jact@dtu.dk
Henning Boje Andersen	DTU Management Engineering	Professor	Confirmed	hebg@dtu.dk
Søren Hansen	DTU Electrical Engineering	PostDoc	Confirmed – no lunch	sh@elektro.dtu.dk
Niels Axel Nielsen	DTU	Koncerndirektør	After 15	ansip@adm.dtu.dk
Angela Silke Petersen	DTU Erhverv og Myndigheder	Kontorchef	After 15	ansip@adm.dtu.dk
Ole Hassager	DTU	Professor	Until 10.20	oh@kt.dtu.dk