

5th Bodycote/AGA
Heat Treatment Seminar

Material, Process and Innovation

May 20–21, 2014, Marina Tower, Stockholm



Broaden your competence, learn from experts and colleagues
– join the seminar

A Member of
The Linde Group

AGA

Bodycote

Program

Tuesday, May 20

Time	Titel	Presenter
09.00	Registration and coffee	
10.00	Welcome	
10.15	Volvocars development of Drive-E powertrains	Robert Sjögren, Volvo
SAFETY & ENVIRONMENT SESSION		
10.45	Risk assessment, for authorities or for you?	Jan Fransson, AGA Gas AB
11.15	Challenges in power train development for heavy duty	Åsa Gustavsson, Scania
R&D SESSION		
11.45	Modelling and Intelligent Control of the Carbonitriding of Alloy Steels	Richard D. Sisson, Jr. Worcester Polytechnic Institute
LUNCH		
13.15	Tools for cleaning process control	Brigitte Haase, Hochschule Bremerhaven
13.45	Properties and performance of nitrided and nitrocarburized steels	Eva Troell, Swerea IVF
14.15	Simulations of Flow and Surface reactions in a Nitriding Furnace	İ. Bedii Özdemir Istanbul Technical University
COFFEE		
15.15	The bainite transformation in steel – a long-lived controversy	Annika Borgenstam, KTH
15.45	Hydrogen absorption during gas carburizing of three different steels	Jerome Senaneuch, Swerea Kimab
MATERIAL SESSION		
16.15	Isotropic quality steel for gears and transmission	Patrik Öhlund, Ovako
16.45– 17.15	Internal defects in case hardened gears and its influence on fatigue life	Kim Wallin, GKN Driveline
SUMMARY DAY 1		
DINNER		

Program

Wednesday, May 21

Time	Titel	Presenter
PROCESS & EQUIPMENT SESSION		
09.00	Salt Quenching: Constraints and Codere Solution	Daniel Zimmermann, Codere
09.30	Press hardening of boron steel – How to prevent scaling of material during heating up	Kent Eriksson, AP&T
COFFEE		
10.30	Comparison of different technologies for carburizing and quenching of high series gear parts for automotive and other applications	T. Dopler, Aichelin
11.00	Low pressure carburizing (LPC) and low pressure nitriding (LPN) of fuel injection nozzles made of tool steel	Maciej Korecki, Seco Warwick
LUNCH		
12.30	Flexible Heat Treatment in HIP with Impressive Effects	Magnus Ahlfors, Avure Technologies
13.00	3D printing of metals, state-of-the art	Annika Strondl, Kimab
13.30	Low friction modification of nitrided surfaces	Mikael Fällström, Bodycote
14.00– 14.30	Lean heat treatment – from the blank to the finished gear component in < 4h	Volker Heuer, ALD Vacuum Technologies GmbH
SUMMARY & COFFEE		
END		

Bodycote/AGA continue the quest for heat treat excellence!

After the successful Heat Treatment seminars in year 2005, 2007, 2010 and 2012 you will now have another chance to learn from world leading researchers and experts in the field of heat treatment.

Bodycote Värmebehandling AB and AGA Gas AB, a member of the Linde Group, have taken the initiative to arrange a 5th seminar.

The seminar will focus on:

- Materials
- Processes
- Innovations

Objectives with the seminar

The main intention of the seminar is to increase the participants' competence and know how and to inform on the latest development in research and applications. Furthermore the seminar shall serve as a meeting place for mutual discussions between:

- heat treatment specialists
- managers
- purchasers
- marketing and sales engineers
- production engineers
- designers and constructors
- R&D personnel

who use or deal with heat treatment processes. The program contains a mixture of lectures of industrially applied technologies and R&D reports from universities and institutes.

Seminar language: English

Organising Committee

Mikael Fällström, Bodycote Värmebehandling AB
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Anders Åström, AGA Gas AB
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Seminar cost

445 Euro or 3,900 SEK (+ VAT) incl. dinner, coffee and lunches.

Location

Elite Hotel Marina Tower, Stockholm, Sweden.
<http://www.elite.se/sv/hotell/stockholm/marinatower>

Hotel

Pre-reserved rooms are available at **Elite Hotel Marina Tower**. For reservation of rooms and other questions please contact **Ewa Falkemark** at Bodycote.

Booking to be made before **April 11, 2014**.

Phone +46 (0)31 332 19 91

e-mail: ewa.falkemark@bodycote.com

Registration

Send the registration form to Ewa Falkemark by email at: ewa.falkemark@bodycote.com or make your registration on bodycoteagaseminar.se.

The entry deadline is set to **April 11**, the latest.

Invoice will be sent to your company.

For more information please visit:
bodycoteagaseminar.se

A warm welcome!

Registration to Bodycote/AGA Heat Treatment Seminar 2012

Name: _____

Company: _____

Address: _____

e-mail: _____

Telephone: _____

Order no. for invoice: _____

Hotel booking: From _____ To _____