



# Program for the OilDoc Conference and Exhibiton 2011

State: September 2010. Subject to change.

## DAY 1 – TUESDAY, FEB. 1, 2011

08:30 am – 09:30 am	<b>Plenary Session</b> Grand Opening of the OilDoc Conference and Exhibition		
09:30 am – 10:00 am	<b>Coffee</b>		
10:00 am – 12:00 am	<b>Engine Lubrication</b>	<b>Tribology I</b>	<b>Condition Monitoring General</b>
	<b>Engine oil consumption and formulation effects</b> Dr. Martin Völtz Germany	<b>STLE and Certification in Europe</b> Dr. Robert M. Gresham STLE, USA	<b>Oil and machine condition monitoring: Online, onsite or lab-analysis?</b> Rüdiger Krethe OilDoc GmbH, Germany
	<b>Experiences in realization of efficiency improvement actions for gas engines using alternative gases</b> Dr. Günther Herdin Prof-Gas, Austria	<b>Controlling friction using conventional and novel lubricant base fluids and organic friction modifiers</b> John Eastwood Croda Europe Limited, Great Britain	<b>Introduction to in-service lubricant analysis</b> Dr. Dave Wooton Wooton-Consulting, USA
	<b>Antioxidant monitoring of gas engine oils</b> Carsten Heine OELCHECK GmbH, Germany	<b>Polyacrylamide – A challenge in lubrication</b> Prof. Dr. Adrian Catalin Drumeanu University of Ploiesti, Romania	<b>Latest developments in online condition monitoring sensors</b> Stuart Lunt Kittiwake GmbH, Germany
	<b>Selected chemical and physical parameters of standard base oil components and their influence on industrial and automotive oils</b> Mayka Nehr Korn ADDINOL Lube Oil GmbH, Germany	<b>Tribotronic systems for active condition monitoring</b> Sergei B. Glavatski Lulea University of Technology, Sweden	<b>Fluid condition monitoring</b> Andreas Busch HYDAC Filter Systems GmbH, Germany
12:00 am – 01:30 pm	<b>Lunch</b>		
01:30 pm – 03:00 pm	<b>Bio Fluids and Lubricants I</b>	<b>Tribology II</b>	<b>Oil Condition Sensors I</b>
	<b>Latest trends in biohydraulic fluids</b> Uwe Förster Cognis GmbH, Germany	<b>Surface analysis methods for the understanding of additive reactions</b> Dr. Adam Orendoz Freudenberg KG, Germany	<b>Pin sensor based on magnetostrictive excitation and readout for oil viscosity monitoring</b> Markus Holzki IMM, Germany
	<b>Effects of contamination of bio-based hydraulic fluids with mineral oil</b> Dr.-Ing. Heinrich Theissen IFAS RWTH Aachen, Germany	<b>Chemically compatibilized polyamideimide PTFE materials – antifriction coatings and properties</b> Dr. Dieter Lehmann Leibniz-Institut, Germany	<b>New maintenance concepts by continuous oil monitoring</b> Clemens Barth Argo-Hytos GmbH, Germany
	<b>Integrated fluid concept for machines with no more oil-changes</b> Milorad Krstic Kleenoil Panolin AG, Germany	<b>Suitable additives for solving tribological wear and friction problems</b> Philipp Staub Klüber Lubrication KG, Germany	<b>Online multi-measure and oil analysis sensor</b> Dr. Jeffrey C. Andle Vectron, USA
03:00 pm – 03:30 pm	<b>Coffee</b>		
03:30 pm – 05:30 pm	<b>Bio Fluids and Lubricants II</b>	<b>Gear Lubrication</b>	<b>Turbines I</b>
	<b>Assumption regarding the action mechanism of extreme pressure additives mixed in vegetable oils</b> Liana Bogatu ICERP S.A., Romania	<b>Oil ageing influence on pitting life-time of gears</b> Dr. Hans-Philipp Otto FZG Augsburg, Germany	<b>Varnish potential of turbine oils</b> Steffen Bots OELCHECK GmbH, Germany
	<b>Biolubricants: Requirements of the EU-Marguerite</b> Dr. Hildo Krop IVAM, Netherlands	<b>Renk specifications for lubricants for turbo, ship and industrial gear boxes and micro pitting tests</b> Dr.-Ing Gregor Steinberger Renk AG, Germany	<b>Effective varnish removal from turbine lubrication systems</b> Dr. Klaus Defrehn PALL GmbH, Germany
	<b>Environmentally considerate lubricants – new developments and today's legislation</b> Patrick Lämmle Panolin Vertrieb AG, Switzerland	<b>Industry gear oils and lubricants – mechanics meets chemistry</b> Wolfgang Bock Fuchs Europe GmbH, Germany	<b>Selecting the best varnish mitigation technology based on the application</b> Greg Livingstone Fluitech International, USA
	<b>Environmental approach to hydraulic fluids</b> Gerhard Gaule Hermann Bantleon GmbH, Germany	<b>Influence of lubricants on gear efficiency</b> Dr. Klaus Michaelis FZG Technical University Munich, Germany	<b>The results of a varnish mitigation program on a steam turbine lube oil at a paper plant</b> Mark Kettmann Smurfit Kappa C.D. GmbH, Germany

\* All presentations in this column will be translated simultaneously from English to German or vice versa.



**DAY 2 – WEDNESDAY, FEB. 2, 2011**

08:30 am – 10:00 am

**Hydraulics**  
**Extension of hydraulic oil lifetime**  
 Wolfgang Ott (BA)  
 Wieland-Werke AG, Germany



**Liebherr – Why do we offer our own lubricants?**  
 Klaus Langendorf  
 Liebherr GmbH, Germany

**Interaction of hydraulic fluids and elastomers of land vehicles**  
 Konrad Zuber  
 Wehrwissenschaftliches Institut, Germany

**Tribology by TAE I**  
**Microtexturing for assisting efficient mixed film lubrication**  
 Prof. Dr. Karl-Heinz zum Gahr  
 Institute of Science & Engineering, Germany

**Formulation of lubricants considering interactions between additives and metal surfaces**  
 Dr. Joachim Schulz  
 Wisura GmbH & Co., Germany

**Formulation of lubricants considering interactions between additives, Part II**  
 Dr. Joachim Schulz  
 Wisura GmbH & Co., Germany

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**Oil Condition Sensors II**  
**Chemometrical evaluation methods of FT-IR spectra for monitoring oil condition**  
 Dr. Thomas Fischer  
 OELCHECK GmbH, Germany

**Gear oil monitoring for offshore wind turbines using band limited low resolution spectra**  
 Benjamin R. Wiesent  
 Technical University Munich, Germany

**Design of a multi-parameter infrared sensor system for oil monitoring**  
 Dr. Lhoucine Ben Mohammadi  
 IMM, Germany

10:00 am – 10:30 am

**Coffee**

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10:30 am – 12:00 am

**Wind Power I**  
**Tribological aspects and lubricant criteria for windturbine gearboxes**  
 Dr. Frank-Dieter Krull  
 Eickhoff Antriebstechnik GmbH, Germany

**Lubricants in wind turbines – highest requirements on development, testing and application**  
 Kirsten Tschauder  
 BP Europa SE, Germany

**A new concept for wind turbine gear lubricants**  
 Raj Patel  
 Cognis UK Ltd., United Kingdom

**Tribology by TAE II**  
**Polyglycols as future lubricants**  
 Dr. Mathias Woydt  
 BAM, Germany

**Influence of lubricants on micropitting, fatigue pitting and scuffing of gears**  
 Dr. Klaus Michaelis  
 FZG Technical University Munich, Germany

**Lubricant management – basics of efficient lubrication engineering**  
 Gerhard Gaule  
 Hermann Bantleon GmbH, Germany

**Oil Analysis General Aspects**  
**FluidScan – a portable IR-tool for accurate quantification of used oil condition for end users**  
 Thomas G. Barraclough  
 Spectro Inc., USA

**Innovation in procedures for used oil sampling**  
 Dr. Giuseppe P. Adriani  
 Mecoil Diagnosi Meccaniche S.r.l., Italy

**Main aspects of oil analysis industry in China**  
 Dr. Qixian Yue  
 Runcare Fluid Monitoring Ltd., China

12:00 am – 01:30 pm

**Lunch**

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01:30 pm – 03:00 pm

**Wind Power II**  
**The importance of understanding degradation regimes in wind turbine gear oils**  
 Jesús Terradillos  
 Tekniker Technological Center, Spain

**Gear oil performance problems experienced by Vestas**  
 Ole Lund Jensen  
 Vestas Assembly A/S, Denmark

**Optimizing a wind turbine oil condition monitoring program by understanding lubricant degradation**  
 Greg Livingstone  
 Fluitec International, USA

**Turbines II**  
**New turbine and lubricant technology requires new customer focused oil monitoring methods**  
 Dr. Ludger Quick  
 Siemens AG, Germany

**High performance environmentally adapted turbine oils**  
 Prof. Dr. Sergei B. Glavatskih  
 Lulea University of Technology, Sweden

**Case Study – Lubricant analysis in steam-turbines**  
 Beatriz Graca  
 INEGI - Instituto de Engenharia, Portugal

**Condition Monitoring**  
**Successful introduction of condition monitoring with a high ROI**  
 Peter Malz  
 InfraServ GmbH & Co., Germany

**Condition monitoring – many options, one goal**  
 Andreas Kühl  
 FAG Industrial Services GmbH, Germany

**Monitoring particle size distribution in gear oils**  
 Dr. Edwin Becker  
 Condition Monitoring GmbH, Germany

03:00 pm – 03:30 pm

**Coffee**

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03:30 pm – 05:00 pm

**Wind Power III – Grease Lubrication**  
**Easier lubricant handling in wind power plants**  
 Ari-Pekka Holm  
 Klüber Lubrication KG, Germany

**Grease re-lubrication with different pumps**  
 Dr. Michael Weigand  
 TriboServ GmbH&Co.KG, Germany

**Grease analysis in rotor and blade bearings of wind turbines**  
 Steffen Bots  
 OELCHECK GmbH, Germany

**Special Applications I**  
**Selection, design and test of lubricants for the food stuff industry**  
 Dr. Markus Leirer  
 OKS Spezialschmierstoffe GmbH, Germany

**Use of H1-lubricants in printing systems of packaging for foodstuffs**  
 Manfred Plötz, Dipl.-Ing.  
 Bremer & Leguil GmbH, Germany

**Lubrication of chains at high temperatures**  
 Ilona Rhein  
 Fuchs Lubritech GmbH, Germany

**Engines**  
**Fuel and glycol contamination in used engine oils**  
 David R. Hilligos  
 PerkinElmer, USA

**Used oil analyses for optimized oil change intervals in biogas engines**  
 Jürgen Deckert  
 ADDINOL Lube Oil GmbH, Germany

**Condition monitoring: Practical experiences on tactical vehicle engines**  
 Johannes Bader  
 Wehrwissenschaftliches Institut, Germany

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**DAY 3 – THURSDAY, FEB. 3, 2011**

08:30 am – 10:30 am

**Metal Working****Cutting properties evaluation of metalworking fluids**Prof. Dr. Razvan George Rapeanu  
University of Ploiesti, Romania**Innovative cost saving metal working fluid concept**Carmen Freiler  
Fuchs Europe GmbH, Germany**Modern state-of-the-art synthetic, mineral oil free metal working fluids**John Loeffen  
Cimcool Industrial Products B.V.,  
Netherlands**Sustainable cost reduction in the metal cutting processes with modern process management**Jörg Rübél  
Rhenus Lub GmbH & Co KG, Germany**Fluid Care****Oil in use and it's maintenance Protective oil – dangerous oil**Dr. Olaf Schmidt  
Karberg & Hennemann GmbH, Germany**Electrostatic oil management**Norbert Becker  
NBI Ingenieurbüro & Vertrieb Kleentek,  
Germany**Technology of hydrodynamic cleaning and high velocity oil flushing**Wojciech Majka  
ECOL Sp. z o.o., Poland**Pipe- and heat-exchanger cleaning reduces energy and operating costs**Nadine Frank  
Bio-Circle Surface Technology GmbH,  
Germany**Oil Condition Sensors III****The mobile oil condition measuring system OCM 01**Lothar Nagel  
Internormen Filter GmbH, Germany**Dissolved or undissolved water? Humidity saturation limits of several hydraulic and lubrication fluids**Hendrik Karl  
OELCHECK GmbH, Germany**Online monitoring of water in oil**Jan Spiesen  
Martechnic GmbH, Germany

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10:30 am – 11:00 am

**Coffee**

11:00 am – 12:30 am

**Advanced Analysis Methods****Analysis of organic contaminations with SEM/EDX and TOF-SIMS**Dr. Ralf-Jürgen John  
PALL Filtersystems GmbH, Germany**Detailed oil and additive analysis via NMR and GC/MS**Dr. Bernd Görlach  
A&S Chemie, Germany**New techniques in particle counting analyzing high performance liquid filters**Michael Schumacher  
PAMAS GmbH, Germany**Special Applications II****Oil care and damages on roller bearings in large oil lubricated systems**Richard Karbacher  
Schaeffler Technologies GmbH, Germany**Degradation of additives and its influence on bearing's service**Dr. Marius Kuhn  
Klüber Lubrication KG, Germany**Lubrication of screws**Rüdiger Schiffer  
OKS Spezialschmierstoffe GmbH, Germany**Condition Monitoring and Fluidmanagement****Establishing wear particle limits using dynamic equilibrium together with the LaserNet Fines Q<sup>200</sup>**Thomas G. Barraclough  
Spectro Inc., USA**Services for improvement in lubrication – KlüberAssetSupport**Dr. Christian van Husen  
Klüber Lubrication KG, Germany**Progressive distributors in centralized lubrication systems**Andreas Rössler, Eugen WOERNER  
GmbH & Co. KG

12:30 am – 02:00 pm

**Farewell Address & Lunch**

## Registration

**Profit by the special offer for early birds – registration by Sept. 30<sup>th</sup> 2010 at the latest!**

Registration fee is EUR 765.- + VAT

Registration fee after deadline is EUR 850.- + VAT

Three or more conference registrations of one company/institution get a discount of 5 %!

Register online: [www.oildoc.com/registrieren/](http://www.oildoc.com/registrieren/)**Registration fee includes:**

- ✓ Participation in the conference
- ✓ Access to the exhibition
- ✓ Lunch on all three days
- ✓ Dinner events: Come-together Jazz Party on Tuesday and Little Oktoberfest on Wednesday
- ✓ Coffee and tea during breaks
- ✓ Conference bag with proceedings and other comprehensive documents – hand-over at the conference check-in
- ✓ Bus transfer from hotels which are not in walking distance to the conference center

## Travel

The distance from Munich International Airport to Rosenheim is 98 km, from Salzburg Airport 82 km.

The venue is situated at motorway A8 Munich/Salzburg and easily accessible. The journey from the airport takes about one hour.

## Contact

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