



**The OilDoc Conference and Exhibition – your special event.**  
**99 presentations, 27 sessions and a major international exhibition**

- To meet:**
- ✓ Leading engineers presenting their success stories and knowledge.
  - ✓ Application experts.
  - ✓ Researchers and acknowledged scientists.
- To showcase and demonstrate:**
- ✓ Innovative solutions for the application of lubricants.
  - ✓ Your latest products and services.
  - ✓ The results of your current research and scientific discoveries.
- To benefit from:**
- ✓ A lot of valuable ideas how to optimize and market your products and/or services.
  - ✓ New suggestions to cope with the lubrication and maintenance challenges in your daily activities.
  - ✓ Excellent networking opportunities during the official part of the conference and the social events.



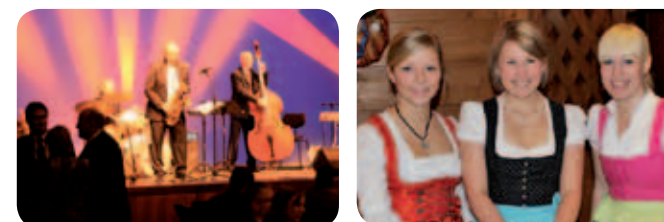
**Exhibition for lubricants, maintenance and tribology**  
 During the 2013 OilDoc Conference a daily exhibition is organized. You will find a full range of services and products from international exhibitors.

**Actual exhibitor list (State November 2012):**



**Exhibition Hours:**  
 Tuesday, January 22<sup>nd</sup>: 08.00 am – 6.30 pm  
 Wednesday, January 23<sup>rd</sup>: 08.00 am – 6.00 pm  
 Thursday, January 24<sup>th</sup>: 08.00 am – 2.30 pm

- Get together**
- ✓ Come together Jazz Party on January 22<sup>nd</sup>
  - ✓ Traditional Bavarian evening (Little Oktoberfest) on January 23<sup>rd</sup>
- Special recommendation:**  
 Extend your conference journey and go to Munich or Salzburg. Both are really nearby! We advise you how to travel and where to stay.



**Registrierung**  
 Registration fee is EUR 945.- + VAT

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

**Register now [www.oildoc-conference.com](http://www.oildoc-conference.com)!**

**Registration fee includes:**

- ✓ Attendance to all conference sessions
- ✓ Access to the exhibition
- ✓ Warm Lunch on all three days
- ✓ Dinner events: Come-together Party on Tuesday and Little Oktoberfest on Wednesday
- ✓ Coffee or tea during breaks
- ✓ Conference bag, proceedings
- ✓ Bus transfer from selected hotels to the conference center



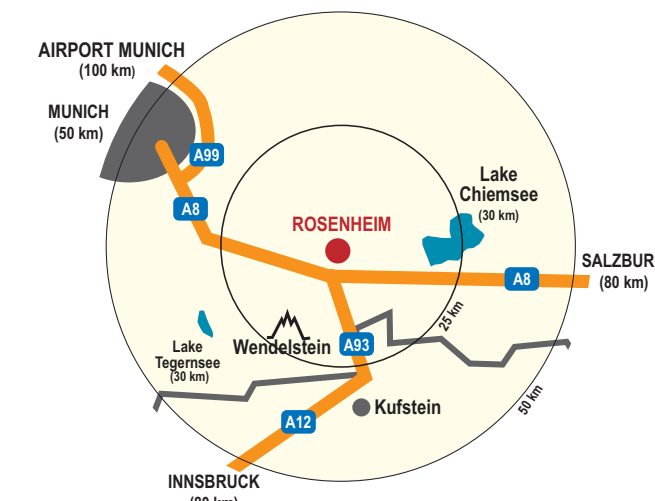
**Travel**  
 The distance from Munich International Airport to Rosenheim is 98 km, from Salzburg Airport 82 km. The venue is situated at motorway A8 Munich/Salzburg and easily accessible. The journey from the airport takes about one hour.

**Hotel Booking at special rates**  
 We reserved a limited number of rooms at different local hotels in various price categories. A list with all hotels can be found on our website. To book rooms at special rates in these hotels please use the promotional code „OilDoc Conference 2013“. We offer a shuttle-bus service for all listed hotels that are not in walking distance to the venue.

**Location**  
 KUKO, Conference Center, Kufsteiner Strasse 4 D-83022 Rosenheim (inner city), Germany 50 km from Munich, 70 km from Salzburg [www.kuko.de](http://www.kuko.de)



Rosenheim is a central spot on the way between Munich and Salzburg and has a lot to offer. You will enjoy your stage in one of the most beautiful towns of Bavaria.



**Advertising and Promotion**  
 At the 2013 OilDoc Conference and Exhibition you will contact and get to know the most important decision makers. There is nearly no better way to reach them all. OilDoc offers a whole range of possibilities for classic advertising as shown in our catalogue and extraordinary promotion activities as well. If you are interested, please contact our promotion experts. They will advise you!



- Optimize your visit!**
- ✓ Join the specialized pre-conference workshops.
  - ✓ Visit the state-of-the-art OELCHECK oil-analysis-laboratory.
  - ✓ Extend your conference journey and go to Munich, Innsbruck, Salzburg or Italy. We advise you how to travel and where to stay.
  - ✓ Bring your spouse – we offer professional complementary tourist program and enjoyable evening events.
- All details: [www.oildoc-conference.com](http://www.oildoc-conference.com)**



**Pre-seminars at the OilDoc Academy on Monday, den 21<sup>st</sup> January 2013 in German language**

**Tribological Aspects of Damage Development**  
**Slide bearing, roller bearing and cogwheel damages**  
**Speaker:**

**Prof. Dr.-Ing. Wilfried J. Bartz, T+S Tribologie und Schmierungstechnik**  
 Progressive mechanization and automation put higher and higher requirements on the availability and reliability of plants and equipment. The lubricant is one of the most important factors to avoid damages. Especially wear, fatigue pittings, micropittings and fretting depend (among others) on the lubricant. This approach is shortly outlined by well-chosen examples for slide/roller bearing and cogwheel damages.

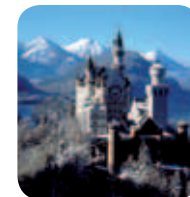
**Infrared-Spectroscopy in Practice**  
**Understand & Read IR-Spectra**  
**Speakers:**

**Dipl.-Ing. Rüdiger Krethe, OilDoc; Dr. Thomas Fischer, OELCHECK**  
 This seminar gives an insight into the basics and the practice of FT-IR spectroscopy of fresh and used oils.

**Location:** OilDoc GmbH, Kerschelweg 29, 83098 Brannenburg  
**Date & time:** Monday, 21<sup>st</sup> Januar 2013, 9.00 am – 04.45 pm  
**Registration fee:** 395.- € + VAT

**Complementary program**  
 For accompanying spouses or partners we offer two attractive trips in the beautiful area of Bavaria. The trips are managed by an english-speaking, local guide.

- ✓ Tuesday, 22<sup>nd</sup> January: **MUNICH – old town walk, city tour and Nymphenburg Palace**
- ✓ Wednesday, 23<sup>rd</sup> January: **NEUSCHWANSTEIN CASTLE – Our exklusive tipp**



**Contact Organisation**  
 Peter Weismann, Dipl.-Ing. – Chairman Planning Committee  
 Rüdiger Krethe, Dipl.-Ing. – Chairman Planning Committee  
 Kathrin Gottwald, Christian Reitmayer – Registration & Information

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More information [www.oildoc-conference.com](http://www.oildoc-conference.com)

**OilDoc Conference & Exhibition**

**Lubricants Maintenance Tribology**

**Jan. 22-24, 2013**  
**Bavaria · Germany**

The trend-setting event in the heart of Europe

**The second OilDoc Conference and Exhibition offers again a high quality program, a first class speaker line-up, a lot of international networking opportunities and a major international exhibition additional to the conference.**

- The main topics:**
- ✓ **Lubrication per excellence**  
 How maintenance experts meet the increasing challenges of lubrication
  - ✓ **Getting things done**  
 Save money and eliminate production risks with an optimized selection, handling and storage of lubricants
  - ✓ **Safety to the max**  
 Insights of the latest developments of condition monitoring techniques and oil analysis technology
  - ✓ **Let's talk about tribology**  
 State of the art of Science and Technology – New aspects to intense discussions



- 27 sessions with 99 presentations, high-class speakers**
- ✓ Get to know all recent developments
  - ✓ Be prepared for future opportunities and risks
  - ✓ Meet the international key experts at one event
  - ✓ Excellent networking opportunities
  - ✓ Just 50 km from Munich, Innsbruck and Salzburg and its international airports
  - ✓ Top social events, sight-seeing tours for companions
  - ✓ **Conference language: English**

**[www.oildoc-conference.com](http://www.oildoc-conference.com)**

DAY 1 – TUESDAY, JAN. 22 <sup>ND</sup> , 2013		
08:30 am – 09:30 am	<b>Plenary Session</b> Grand Opening of the OilDoc Conference and Exhibiton – Peter Weismann, OELCHECK Key Note Speaker Dr. Lutz Lindemann, Fuchs Petrolub AG: Lubricant development against the background of new raw materials	
09:30 am – 10:00 am	<b>Coffee</b>	
10:00 am – 12:00 am	<b>Engines I</b>	<b>Oil Condition Monitoring I</b>
	<b>Potential benefits by introducing SAE 30 viscosity grade motor oil for stationary gas engines</b> Dr. Franz Novotny-Farkas OMV Refining & Marketing GmbH, Competence Center Lubes, Austria	<b>21<sup>st</sup> Century condition monitoring</b> Jack Poley Condition Monitoring International LLC, USA
	<b>Damage accumulation at diesel engines of the German Navy</b> Johannes Bader Bundeswehr Research Inst., Germany	<b>Oil Analysis as a trouble shooting tool</b> Cary Forgeron Analysts Inc., USA
	<b>Practical experiences with modern gas engine oils in CHPs with biogas</b> Jürgen Deckert ADDINOL Lube Oil GmbH, Germany	<b>Practical oriented limit values for different applications</b> Steffen Bots OELCHECK GmbH, Germany
	<b>Determination of the impact of fuel gas quality on gas engine oil stability by use of specific artificial alteration</b> Alexander Graf AC²T research GmbH, Austria	<b>Reaction of additives on different steel alloys</b> Philipp Staub Klüber Lubrication München KG, Germany
		<b>Energy criterion of oil film failure during friction and its applications</b> Prof. Dr. Sergey Vasilij Fedorov Kaliningrad State University, Russia
		<b>Tribological characterization of HVOF hardfacing applied at parallel slide gate valves</b> Prof. Dr. Razvan George Ripeanu Petroleum-Gas University of Ploiesti, Romania
12:00 am – 01:30 pm	<b>Lunch</b>	
01:30 pm – 03:00 pm	<b>Hydraulics I</b>	<b>Oil Sensors I</b>
	<b>New fluid rating procedure and fluid test at Bosch Rexroth</b> Felizia Saile Bosch Rexroth AG, Germany	<b>Cost reduction through online condition monitoring</b> Roman C. Krähling Argo-Hytos GmbH, Germany
	<b>New oil developments in hydraulic oil formulation for stationary and mobile applications</b> Wolfgang Bock Fuchs Europe GmbH, Germany	<b>Condition monitoring – Online sensors, applications and comparison with laboratory analysis</b> Andreas Busch HYDAC Filter Systems GmbH, Germany
	<b>Improving fuel economy and productivity of off-highway equipment through DYNAVIS®-technology</b> Dr. Oliver Eyrisch Evonik Industries AG, Germany	<b>Miniaturized IR-Spectrometer for online oil condition monitoring tasks</b> Benjamin R. Wiesent Technische Universität München, Germany
03:00 pm – 03:30 pm	<b>Coffee</b>	
03:30 pm – 05:30 pm	<b>Lubrication &amp; Skills</b>	<b>Wear Particle Monitoring</b>
	<b>The story of Buzz</b> Ian Knight Enluse B.V., The Netherlands	<b>Spectroscopic oil condition monitoring in the field</b> Dr. Stuart Lunt Kittiwake Developments Ltd., UK
	<b>STLE: Innovation, education, and certification</b> Dr. Robert Gresham STLE, USA	<b>Advances in wear debris particle analysis with relevance to the needs of the on-site condition monitoring professional</b> Dr. Violet Leavers V4L Particles Ltd, UK
	<b>Measurable benefit of a Lubrication Certification Program – a case study</b> Suzy Jamieson ICML, USA	<b>Connecting elemental analysis to particulate count: A new technique to detect failures</b> Thomas G. Barraclough Spectro Inc., USA
	<b>Intermixing of oil</b> Karl Heidenreich Klüber Lubrication München KG, Germany	<b>Lubrication of highly loaded roller bearings exposed to water using the example of continuous steel casting machine</b> Dr. Marius Kuhn Klüber Lubrication, Germany
		<b>Interactions of additives with metal surfaces – Introduction</b> Dr. Joachim Schulz WISURA GmbH, Germany
		<b>Interactions of additives with metal surfaces – New findings</b> Dr. Joachim Schulz WISURA GmbH, Germany

DAY 2 – WEDNESDAY, JAN. 23 <sup>RD</sup> , 2013		
08:30 am – 10:00 am	<b>Windpower I</b>	<b>Oil Condition Monitoring II</b>
	<b>Lubrication of gearboxes for wind-turbines</b> Dr. Frank-Dieter Krull Eickhoff Antriebstechnik GmbH, Germany	<b>Sub micron particles in lubricants give early warning of in-service contamination</b> Gerald L. Munson Fluid Assets LLC, USA
	<b>Maximum gear box efficiency by use of a new gear oil generation for wind turbines</b> Steffen Homberg ADDINOL Lube Oil GmbH, Germany	<b>Lubricant deposit characterization – Part 1</b> Dr. Dave Wooton Wooton-Consulting, USA
	<b>Energy efficient industrial gear lubricants</b> Derek Selby ExxonMobil Lubricants & Petroleum, UK	<b>Root cause determination of an unusual chemical deposit on a key oil wetted component</b> Bryan Johnson Arizona Public Services, USA
		<b>Environmental approach to hydraulic fluids</b> Gerhard Gaule Hermann Bantleon GmbH, Germany
		<b>REWITEC surface technology – reconditioning and durable wear protection for gearboxes and bearings in wind turbines</b> Stefan Bill Rewitec GmbH, Germany
10:00 am – 10:30 am	<b>Coffee</b>	
10:30 am – 12:00 am	<b>Hydraulics II</b>	<b>Oil Sensors II</b>
	<b>Energy-efficient 4 quadrant working hydraulic drives using differential cylinder</b> Dierk Peitsmeyer IHA, Germany	<b>Combined water contamination and wear debris monitoring for wind turbine health monitoring</b> Ryan Brewer Poseidon Systems, USA
	<b>Use of artificial oil alteration for evaluation of oil condition sensors for hydraulic applications</b> Christoph Schneidhofer AC²T research GmbH, Austria	<b>Evanescent field fiber sensor for determination of the water in lubricating oils</b> Dr. Thomas Klotzbücher IMM Mainz, Germany
	<b>Experience world-wide with PAG based environmentally-friendly, fire-resistant HFDU/HEPG Hydraulic Fluid</b> Kevin Kovanda, American Chemical Technologies Inc., USA	<b>Oil condition monitoring using electrical conductivity</b> Michael Lindner OELCHECK GmbH, Germany
12:00 am – 01:30 pm	<b>Lunch</b>	
01:30 pm – 03:00 pm	<b>Engines II</b>	<b>Greases</b>
	<b>Influence of engine oils aged by ethanol combustion products on piston ring wear</b> Dr. Thomas Wopelka AC²T research GmbH, Austria	<b>Lubrication of bearings and toothings of wind power plants</b> Hanno Paul Fuchs Lubritech GmbH, Germany
	<b>Energy efficient natural gas engine lubrication</b> Gilles DeLafargue ExxonMobil Lubricants & Petroleum, France	<b>Grease sampling and analysis: Devices and methods to improve reliability in wind turbines, robots and other grease lubricated components</b> Rich N. Wurzbach MRG Labs, USA
		<b>Friction modifiers and lubricity additives for industrial lubricants</b> Paul Bonner Croda Lubricants, UK
		<b>Effectiveness of additive packages in gear oils against pitting in slow running hypoid gears</b> Dr. Steffen Schneider Bundeswehr Research Institute for Materials, Fuels and Lubricants, Germany
		<b>Condition monitoring aboard of German navy ships</b> Norman Rohrwick Bundeswehr Research Institute for Materials, Germany
		<b>Environmentally safe lubricating greases for agriculture equipment</b> Ortansa Florea ICERP S.A. Ploiesti, Romania
03:00 pm – 03:30 pm	<b>Coffee</b>	
03:30 pm – 04:30 pm	<b>Windpower II</b>	<b>Oil Cleaning &amp; Filtration</b>
	<b>The performance of used gear oils on test benches</b> Kirsten Tschauder BP Industrial Lubricants & Services, Germany	<b>Electrostatic charging of oils and monitoring of the oil lifetime</b> Marco van Boven Parker-Hannifin GmbH, Germany
	<b>Lubricant deposit characterization – Part 2</b> Greg Livingstone Fluiftec International, USA	<b>Effective dewatering of hydraulic- and lubrication systems with vacuum dehydration units</b> Lothar Nagel INTERNORMEN Technology GmbH, Germany
		<b>Oil Analysis Methods I</b>
		<b>Design considerations for high-throughput FT-IR oil condition monitoring systems</b> David Hilligoss Perkin Elmer, USA
		<b>Analysis of lubrication oil by automatic online sample preparation and ICP-OES</b> Ralf Geerling SPECTRO Analytical Instruments GmbH & Co KG, Germany

DAY 2 – WEDNESDAY, JAN. 23 <sup>RD</sup> , 2013		
04:30 pm – 05:30 pm	<b>Windpower II</b>	<b>Oil Cleaning &amp; Filtration</b>
	<b>Oil ageing on example of gear oils in wind turbines</b> Andy Böhme OELCHECK GmbH, Germany	<b>Maintaining Transformer Oil – Methods and Experience</b> Dr. Olaf Schmidt Karberg & Hennemann, Germany
	<b>Filterability of used gear oils</b> Gunter Mathy IME - RWTH Aachen, Germany	<b>Laboratory automation by the use of robotic systems for high a sample throughput</b> Martin Haazelager Synchron Lab Automation, Netherlands
		<b>Accelerated Inductively Coupled Plasma analysis of wear metals in oil</b> Michael Sgroi CETAC Technologies, USA
		<b>Particle counting: System to analyze high quantities of contamination samples</b> Michael Schumacher PAMAS GmbH, Germany
DAY 3 – THURSDAY, JAN. 24 <sup>TH</sup> , 2013		
08:30 am – 10:30 am	<b>Turbines I</b>	<b>Oil Analysis Methods II</b>
	<b>Deposits caused by Oil-Oxidation Products (Varnish) Electrostatic Oil Cleaning</b> Norbert Becker N. Becker Ingenieurbüro + Vertrieb, Germany	<b>Evaluation of dropping and softening point methods in petrochemistry</b> Dr. Hans-Joachim Muhr Mettler-Toledo AG, Switzerland
	<b>High-performance turbine oils with higher thermal stability</b> Dirk Herrmann ADDINOL Lube Oil GmbH, Germany	<b>Rheology and tribology of lubricating oils measured on a Rheometer</b> Frederik Wolf Anton Paar Germany GmbH, Germany#
	<b>Modern turbine oils need adapted methods to monitor the degradation of antioxidants</b> Hendrik Karl Fuchs Europe GmbH, Germany	<b>Penetration, shear-viscosity or flow-limit? Rheology for greases</b> Dr. Thomas Fischer OELCHECK GmbH, Germany
	<b>Some performance aspects of polymer linear bearings</b> Prof. Dr. Sergei Glavatskih KTH Royal Institute of Technology, Sweden	<b>Fully automated determination of TAN and TBN by thermometric titration – fast and reliable</b> Dr. Christian Haider Metrohm International Headquarters, Switzerland
10:30 am – 11:00 am	<b>Coffee</b>	
11:00 am – 01:00 pm	<b>Turbines II</b>	<b>Oil Condition Monitoring III</b>
	<b>Deposits on bearing pads by particulate contamination</b> Fumihiko Yokoyama IHI Corporation, Japan	<b>The use of acoustic emission to detect ineffective lubrication in operating machinery</b> Dr. Trevor J. Holroyd Kittiwake Holroyd Ltd., UK
	<b>Review of the need for hydrodynamic cleaning and flushing of turbines' oil systems in power generation and industry</b> Tomas Klima Ecol Sp. o.o., Poland	<b>Heat transfer fluid analysis in parabolic through collectors of solar power plants</b> Jesus Terradillos Fundación Tekniker, Spain
	<b>Combining different advanced varnish mitigation technologies for effective cleaning of turbine oil and systems</b> J.A.M. Overgaag Ansaldo Thomassen Rheden, Netherlands	<b>Requirements and monitoring of transformer oils</b> Stefan Mitterer OELCHECK GmbH, Germany
	<b>Oxidation of modern gas engine oils – a problem of determination</b> Carsten Heine OELCHECK GmbH, Germany	<b>Improve your quality control by high precision wear measurements in tribology tests: TLA method</b> Dr. Dirk Drees Falex Tribology, Belgium
01:00 pm – 02:00 pm	<b>Farewell Address &amp; Lunch</b>	
		<b>Requirements on oil lubrication of high speed roller element bearings</b> Richard Karbacher Schaeffler Technologies, Germany
		<b>Oil re-circulating lubrication systems for industrial applications</b> Hans-Georg Weber SKF Lubrication Systems AG, Germany
		<b>Use of lubricants at the production of plastic packaging under consideration of hygienic aspects</b> Manfred Plötz Bremer & Leguil GmbH, Germany
		<b>VDI 2290 - What do have „Values for tight flange connections“ have to do with lubricants?</b> Rüdiger Schiffer OKS GmbH, Germany