

## OilDoc Conference – Event Program 2023 State: Mai 2023. Subject to change.

DAY 1 – TUESDAY, MAY 09, 2023			
09.00 am – 10.00 am	<b>Opening: Petra Bots &amp; Rüdiger Krethe (OilDoc)</b> <b>Plenary lecture: Lubricant chemistry management: A better way to maintain turbine oils</b> Peter Dufresne Jr.   EPT CleanOil		
10.00 am – 10.30 am	<b>Coffee &amp; Snacks</b>		
10.30 am – 12.30 am	HY-PRO Hall 1	IBR Solutions Hall 2	Hall 3
	OIL ANALYSIS METHODS	TURBINES	SUSTAINABILITY I
	<b>Extended lubricant analysis using Nuclear Magnetic Resonance (NMR)</b> Dr. Christoph Rohbogner OELCHECK GmbH <b>Quality control of lubricants by NIR spectroscopy according to ASTM 8321 and ASTM 8340</b> Dr. Nicolas Rühl Metrohm AG <b>Analysis of oils and lubricants by Lock-in thermography</b> Christoph Geers NanoLockin GmbH <b>The oil chute – an effective method to assess high temperature deposit formation</b> Daniela Posselt AC²T research GmbH	<b>Managing turbine oils in a sustainable way</b> Greg Livingstone Fluitec <b>Applying knowledge from accelerated turbine oil aging tests to oil management programs</b> Elona Rista Solar Turbines <b>Determination of relative concentrations of Phosphate Ester isomers in turbine control systems</b> Dr. John K. Duchowski HYDAC FluidCareCenter® GmbH <b>Are compromises at oil flushing acceptable? What do they cost you when flushing new installed turbo-generator, overhauled turbo-compressor or any other large oil system?</b> Tomas Klima   Ecol Industrial s.r.o.	<b>Fit for 55</b> Dr. Stefan Baumgärtel VSI - Verband Schmierstoff-Industrie e.V. <b>Understanding the importance of sustainability, environmentally friendly, and life-cycle assessments in the lubricant industry</b> Dr. Matt Kriech   Biosynthetic Technologies <b>How to identify sustainable lubricants?</b> Christoph Baumann CONDAT GmbH
	<b>Lunch</b>		
	<b>OIL ANALYSIS MANAGEMENT</b>	<b>LUBRICATION MANAGEMENT</b>	<b>SUSTAINABILITY II</b>
12.30 am – 02.00 pm	<b>Limit values for the evaluation of lubricant analyses</b> Stefan Mitterer OELCHECK GmbH <b>Fluid condition monitoring</b> Bernie Hall Checkfluid Inc. <b>Integrating fluid analysis with business systems</b> Gwyn Simmonds Polaris Laboratories LLC.	<b>The power of ICML 55® standards: Using structured requirements (55.1) and guidelines (55.2) to build a successful Lubricated Asset Management Program</b> Paul Hiller   ICML <b>Industrial lubrication outsourcing – lubrication maintenance of the plant in the hands of professionals</b> Wojciech Majka   Ecol Industrial s.r.o. <b>Failure modes, fault analysis and troubleshooting – How to do it in the right way</b> Michael Holloway 5th Order Ind.	<b>Sustainable cooperation in the lubricant industry – a transformation towards a circular and sustainable lubricant value chain</b> Inga Herrmann VSI - Verband Schmierstoff-Industrie e.V. <b>How base oil properties influence sustainability of industrial gear oils</b> Dr. Christoph Wincierz Evonik Operations GmbH <b>Methods to reduce your company's carbon footprint</b> Steffen Nyman C.C. Jensen A/S
02.00 pm – 03.30 pm			
03.30 pm – 04.00 pm	<b>Coffee &amp; Snacks</b>		
04.00 pm – 06.00 pm	OIL SENSORS	GREASES	BASE OILS
	<b>Detect unexpected wear in combustion engines by using acoustic emission sensor system</b> Matthias Winkler CM Technologies GmbH <b>Novel viscosity and density sensors for oil condition monitoring</b> Thomas Voglhuber-Brunnmaier Micro Resonant Technologies GmbH <b>New sensors for on-line wear measurement</b> Thierry Delvigne Deltabeam - DSI <b>Novel compact NIR sensor for moisture detection in lubricants</b> Dr.-Ing. Guillermo Miró Atten2	<b>Analyzing wear and additive elements in greases: XRF, RDE-OES or ICP-OES?</b> Dr. Christoph Rohbogner OELCHECK GmbH <b>Understanding oil separation in lubrication greases</b> Daniela Posselt AC²T research GmbH <b>Grease analysis as a tool to achieve sustainability in asset management</b> Richard Wurzbach MRG Labs <b>How the right grease can improve the service life of pitch bearings</b> Julian Bernhard Liebherr-Components Biberach GmbH	<b>Low Viscosity Low Volatility (LVLV) synthetic basestocks – Doing more with less targeting high performance European specifications</b> Dr. Sven Meinhardt ExxonMobil Product Solutions <b>The multipurpose use of ultra-low viscous NSP in Lubricants</b> Jinxia Li NYNAS AB <b>Liquid amides – novel, high performance base oils</b> Claire Ward Cargill Bioindustrial <b>Heavy naphthenic oil – a solution provider in lubricating greases</b> Mehdi Fathi-Najafi NYNAS AB
6:00 pm – 8:00 pm	<b>COME TOGETHER - ZWICKL RECEPTION</b>		

**DAY 2 – WEDNESDAY, MAY 10, 2023**

	HY-PRO Hall 1	IBR Solutions Hall 2	Hall 3	Hall 4
09:00 – 10:30 am	<b>OIL ANALYSIS METHODS II</b> <b>EPR in industry: The way for a better understanding of lubricant degradation</b> Marie Roucan   THEMIS <b>Multivariate prediction models for oil condition monitoring using infrared spectroscopy</b> Sina Malenke OELCHECK GmbH  <b>Rapid identification and quantification of ethylene and propylene glycol in engine coolant</b> Nicholas Lancaster Perkin Elmer	<b>CM – GEARS</b> <b>Advanced vibration monitoring of industrial gearboxes</b> Michael Stroi Eisenbeiss GmbH <b>The 3 columns of gear condition monitoring</b> Michael Stroi Eisenbeiss GmbH  <b>Combining oil health, level, and vibration to achieve complete machine monitoring</b> Jeremy Sheldon Poseidon Systems LLC	<b>BIOBASED LUBRICANTS</b> <b>Everything you always wanted to know about the biodegradability on lubricants</b> Vincent Bouillon   Eurofins BfB <b>How to design an environmentally friendly biolube</b> Dr. Peter Lohmann Hermann Bantleon GmbH  <b>Woods, trees and shrubs – Sources for sustainable lubrication?</b> Michael Adler AC²T research GmbH	<b>ENGINES</b> <b>Nitration in diesel engines – underestimated corrosion source</b> Carsten Heine   OELCHECK GmbH <b>Innovative gas engine design and combustion technology continue to be a headache for oil manufacturers</b> Yesid A. Gomez Bureau Veritas Spain <b>Demonstration of the benefits of SAE 30 stationary gas engine oil in full scale engine tests</b> Thijs Schasfoort Petro Canada Lubricants
10:30 am – 11:00 am	<b>Coffee &amp; Snacks</b>			
11:00 am – 12:30 pm	<b>OIL SENSORS II</b> <b>Advancements in inline oil condition monitoring</b> Dr. Carsten Giebel Spectrolytic GmbH  <b>Development of an oil monitoring and filtering system for industrial gearboxes</b> Reza Golafshan Sumitomo (SHI) Cyclo Drives Germany GmbH <b>LubAnac connected oil by TotalEnergies lubricants</b> Robert Janssens Total Energies Lubrifiants	<b>COOLANTS</b> <b>Determination of Nitrite levels in engine coolants by UV/Vis spectroscopy</b> Nicholas Lancaster   Perkin Elmer  <b>Component Cleanliness in Cooling Systems – Special Focus on Flux</b> Matthias ABmann OELCHECK GmbH	<b>ADDITIVES</b> <b>Advantages of using Sulfur carriers as EP additives in manufacturing EV components</b> Wilhelm Rehbein LANXESS Deutschland GmbH <b>AKYPO® IN-0202 -new anionic additive for enhancing metal cleaning formulations</b> Dr. Thomas Myrdek Kao Chemicals GmbH  <b>Innovative phyllosilicate additives for bearings and gears</b> Claire Ward Cargill Bioindustrial	<b>HYDRAULICS</b> <b>Managing hydraulic oil deposits by using novel solubility enhancing technology</b> Jo Ameye FLUITEC NV <b>Phosphate ester – is fill for life possible?</b> Steffen Nyman C.C. Jensen A/S  <b>Condition Monitoring – a easy way forward using Internet and sensor technology</b> Patrick Kreutzer   Hy-Pro Filtration
12:30 pm – 01:30 pm	<b>Lunch</b>			
01:30 – 03:30 pm	<b>OIL ANALYSIS METHODS III</b> <b>Improved workflow and throughput for particle counting and wear metals analysis</b> Andrew Rams Perkin Elmer Analytical Sciences <b>AdBlue – What a laboratory analysis reveals</b> Dr. Raphael Grötsch OELCHECK GmbH  <b>Tribology – research with a practical focus: Hydrogen and Oil Analysis</b> Rainer Schöpf   OELCHECK GmbH <b>Onsite wear debris analysis enhancements for detection of abnormal wear in clean systems</b> Daniel P. Walsh   Ametek Spectro Scientific Inc.	<b>SPECIAL APPLICATIONS</b> <b>Innovations from industrial lubricants</b> Wolfgang Bock Fuchs Oil GmbH  <b>Chromium-VI formation on high alloyed screws</b> Rüdiger Schiffer OKS Germany  <b>Electrical contacts – the challenge for lubricants</b> Sarah Hüttner Setral Chemie GmbH <b>Critical parameters for lubricants in hydrogen applications</b> Michael Adler AC²T research GmbH	<b>TRIBOLOGY I</b> <b>Conductive layer deposits and the development of bench test technology for electric vehicle drivetrains</b> Greg Miller   SAVANT <b>Evolution of surface roughness and correlation with friction using in-situ profilometry</b> Deepak Halenahally Veeregowda Ducom Instruments (Europe) BV <b>Introducing statistics into lubricant testing: parallel tests pave the way to AI?</b> Dirk Drees   Falex Tribology N.V. <b>The compatibility of oils and greases with plastics and elastomers</b> Jiri Valdauf   Lubricant S.R.O.	<b>GEARS IN WIND TURBINES</b> <b>Lubricant formulation – its influence on Copper alloy corrosion in wind turbine gearboxes</b> Ulf Rieper Shell Deutschland GmbH <b>Sustainable use of lubricants for wind energy in a circular economy</b> Thomas Stalin Vattenfall Wind Power <b>Demonstration of condition monitoring of wind turbine gearbox lubricant with color sensors</b> Kyoko Koshima   Hitachi Ltd. <b>Color index. A novel method for evaluating gearbox oils in wind turbine application</b> Jose I. Ciria   Bureau Veritas Spain
03:30 pm – 04:00 pm	<b>Coffee &amp; Snacks</b>			
04:00 – 05:30 pm	<b>OIL ANALYSIS – LAB ORGANISATION</b> <b>High throughput compact sample aliquoting and analysis</b> Rainer Kösters   HF Innovation GmbH  <b>A new gravimetric dilution system for ICP sample preparation</b> Steve Twining Elemental Scientific Inc. <b>Analytical Laboratory 4.0 – How to integrate your ICP?</b> Dirk Wüstkamp Spectro Analytical Instruments	<b>METAL WORKING FLUIDS</b> <b>Metal forming and deforming – an overview</b> Rich Baker   Tribotronic  <b>Novel sustainable emulsifier for metalworking fluids</b> Frank Rittig BASF SE  <b>Digitalization of cooling lubricants</b> Andreas Busch HYDAC	<b>TRIBOLOGY II</b> <b>Unique web-based digital platform for lubricants</b> Dr. Bernd Görlach   ASC-Görlach  <b>Shear stable ester thickeners – EVs and beyond</b> David Gillespie Cargill Bioindustrial  <b>Twin disc evaluation of wheel flange lubricants and top of rail friction modifiers</b> Deepak Halenahally Veeregowda Ducom Instruments (Europe) BV	<b>LUBRICANT MAINTENANCE</b> <b>The Three Rs: A sustainable approach to turbine lubricant maintenance</b> Matthew G. Hobbs   EPT CleanOil <b>Filter Element ratings – Some comments on the different test methods of hydraulic and lube oil filter elements</b> Oliver Metzger   Hy-Pro Filtration
6.00 pm – 11:00 pm	<b>BAVARIAN EVENING RELOADED</b>			

**DAY 3 – THURSDAY, MAY 11, 2023**

**It's up to you!**

You have the choice between different workshops in Rosenheim or Brannenburg and an excursion via cog railway.  
**IMPORTANT:** You have to pre-register for the program (and bus-shuttle when needed) in our event app!

- ✓ Take part in **a practical oriented workshops** at the OilDoc Academy in Brannenburg and visit the **OELCHECK laboratory** (15 km from Rosenheim, Bus-Shuttle leaves KU'KO at 8:45 am (pre-register!))



**WORKSHOP / LAB TOUR AT THE OILDOC ACADEMY IN BRANNENBURG (15 KM FROM ROSENHEIM)**

9:30 am – 11:00 am	WORKSHOP A - I	OELCHECK LAB-TOUR I
	<b>Enhancing reliability using fluid analyses – Information content of laboratory report and subsequent data analysis</b> Andrea Schreiner & Carsten Heine OELCHECK GmbH	Test methods in practice
11:00 am – 11:30 am	<b>Coffee &amp; Snacks</b>	<b>OELCHECK LAB-TOUR II</b>
11:30 am – 1:00 pm		
		Test methods in practice
1:00 pm – 01:30 pm	<b>GRAB &amp; GO LUNCH</b>	

**OR**

- ✓ Take part in **one or two practical oriented workshops** at the KU'KO Rosenheim



**WORKSHOPS AT THE KU'KO ROSENHEIM**

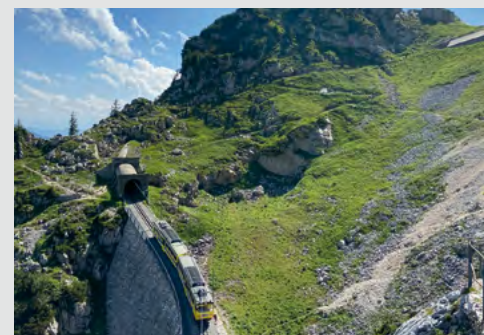
9:00 am – 10:30 am	HY-PRO Hall 1	IBR Solutions Hall 2
	<b>Best laboratory practices for particle counting</b> Bill Quesnel CINRG Systems Inc.	<b>Automated gravimetric sample preparation that formally complies with standard methods governing lubricant analysis by ICP</b> Patrick Klemens ESI Elemental Service & Instruments GmbH
10:30 am – 11:00 am	<b>Coffee &amp; Snacks</b>	
11:00 am – 12:30 pm		
	<b>On-site oil analysis – a practical and quick determination of hydraulic and lubrication oil health</b> Davide Scaffidi Filtertechnik Ltd	
12:30 pm – 01:30 pm	<b>GRAB &amp; GO LUNCH</b>	

**OR**

- ✓ **Excursion:** Cog railway tour to the top of the Wendelstein (1,723 m above sealevel) incl. technical information on the traditional cog railway, „White Sausage Express“ & easy hiking the Summit & Panoramic Trail (optional)

Otto von Steinbeis achieved a pioneering engineering masterpiece with the construction of an electric cog railway on the Wendelstein between 1910 and 1912. The journey up to the Wendelstein is an unforgettable experience in itself as it passes through lush flowering alpine meadows, shady forests and over jagged cliffs!

Meeting point: 9:30 am at Brannenburg valley station, Bus-Shuttle leaves KU'KO at 8:45 am (pre-register!) ending at 1:30 pm at Brannenburg valley station





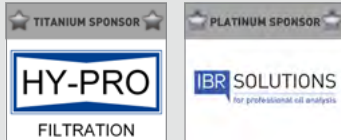
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### Location

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

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.



### Contact

**Rüdiger Krethe**, Dipl.-Ing. – Chairman Planning Committee  
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