

# OilDoc Conference and Exhibiton 2019 Program

State: January 28<sup>th</sup>, 2019. Subject to change.

DAY 1 – TUESDAY, JAN. 29 <sup>TH</sup> , 2019			
08:30 am – 09:30 am	<b>Opening: Petra Bots &amp; Rüdiger Krethe (OilDoc), Otto Lederer (Bavarian Parliament), Gabriele Bauer (Mayoress)</b> <b>Plenary lecture: The base oil and lubricant industry –Preparing for the future</b> <b>Valentina Serra-Holm</b> Marketing and technology director at NYNAS, President of the Union of the European lubricant industry <b>Coffee &amp; Snacks</b>		
09:30 am – 10:00 am	<b>Coffee &amp; Snacks</b>		
10:00 am – 12:00 am	<b>BECKMANN COULTER Hall 1</b> <b>OIL ANALYSIS METHODS</b>	<b>Hall 2</b> <b>HYDRAULICS</b>	<b>Hall 3</b> <b>LUBRICANTS</b>
	<b>Monitoring of nonferrous metal passivators in gear oils – Proactive copper wear detection in wind turbines – Part I</b> Dr. Thomas Fischer – OELCHECK GmbH <b>Monitoring of nonferrous metal passivators in gear oils – Proactive copper wear detection in wind turbines – Part II</b> Stefan Mitterer – OELCHECK GmbH <b>Vis-near-infrared spectroscopy – a fast and convenient method for monitoring multiple quality indicators of lubricating oil</b> Dave van Staveren Metrohm AG <b>Oberservance of a reverse politary electrostatic discharge signals in hydraulic and lubricating applications</b> Dr. John K. Duchowski HYDAC FluidCareCenter GmbH	<b>Modern hydraulic fluids – New solution for complex systems</b> Gerit Dornacher Fuchs Schmierstoffe GmbH <b>Hydraulic Oils – Biodegradable and H1 registered?</b> Markus Gottschlich Bremer & Leguil GmbH <b>Water contamination in mineral oil based hydraulic fluids: Lessons learned from our Parker Denison T6H20C test rig</b> Dr. Steffen Sandhöfner LANXESS Deutschland GmbH <b>Prevention of condensation damages in hydraulic systems</b> Heinrich Laas Giebel FilTec GmbH	<b>2019/20: New legislation and regulation: what’s coming up for the lubricant industry?</b> Dr. Stephan Baumgärtel Verband Schmierstoff - Industrie e.V. <b>Benefits of polyalkylene glycol lubricants in specific industrial applications</b> Dr. René Koschabek BASF SE <b>Relationships between molecular structure and properties of PAO: Spectral, thermal and oxidation stabilities</b> Prof. Jiusheng Li Chinese Academy of Sciences <b>Tribological properties of full bio-based coffee lubricant</b> Jeng-Haur Horng National Formosa University
12:00 am – 01:30 pm	<b>Lunch</b>		
01:30 pm – 03:00 pm	<b>OIL ANALYSIS METHODS</b>	<b>LUBRICATION MANAGEMENT</b>	<b>TRIBOLOGY</b>
	<b>Infrared spectral microscopy – Principles of FTIR microstructure analysis</b> Dr. Cory Schomburg PerkinElmer Life and Analytical Sciences <b>Infrared spectral microscopy – A tool for understanding varnish formation</b> Dave Wooton Wooton-Consulting <b>Ultra-low P, S, Cl analysis in liquids with a versatile benchtop WDXRF spectrometer</b> Wolfgang Klöck Rigaku Europe	<b>Asset Management and ISO 55000 in the context of lubrication and oil analysis</b> Rendela K. Wenzel Eli Lilly and Company <b>Lubrication management tasks – Condition-based lubrication</b> Haris Trobradovic SDT International SA <b>The importance of innovation to maintain fluid cleanliness and equipment reliability</b> Roger Simonson One Eye Industries	<b>Emerging trends in tribology and lubrication engineering</b> Dr. Robert M. Gresham STLE <b>Tribological laboratory testing (tribometry) as the key to a successful product development</b> Dr. Markus Grebe Hochschule Mannheim <b>Application of Big Data and deep learning to prediction of tribological performance of rolling-sliding contacts pertinent to machine elements</b> Markus Hartinger Imperial College London
03:00 pm – 03:30 pm	<b>Coffee &amp; Snacks</b>		
03:30 pm – 05:30 pm	<b>OIL ANALYSIS</b>	<b>GREASES</b>	<b>TRIBOLOGY</b>
	<b>Global used oil analysis programs – challenges and solutions</b> Steffen Bots LubeServ <b>Optimizing oil drain intervals – the development and use of an oil life algorithm</b> Michael Holloway ALS Industrial Division   Tribology <b>Grease cleanliness: Methods to measure and the impact of contaminants on equipment life</b> Richard N. Wurzbach MRG Labs <b>Laboratory 4.0: Hypes, Buzzwords, Confusion or added value – Views of an instrument supplier</b> Christoph Jansen, Mettler-Toledo GmbH	<b>The impact of high viscous naphthenic oils on various thickener systems</b> Dr. Jinxia Li Nynas AB <b>New wind turbine bearing grease technology</b> Kirsten Schwörer BP Europa SE <b>PFPE greases – modern trends and perspectives</b> Verena Leumann Setral Chemie GmbH <b>Adhesion and tackiness of industrial greases: a new experimental approach</b> Emmanuel Georgiou, Falex Tribology N.V.	<b>Synovum COF determination without experiment – Entropy triboanalysis and synthesis of natural machines</b> Prof. Dr. Sc. Sergey Fedorov Kaliningrad State Technical University <b>Robustness of lubricating film</b> Dr. Ksenija Topolovec Miklozic POWERTRIB Ltd. <b>Determination of adhesive properties of lubricants on surfaces</b> Susanne Beyer-Faiss Dr. Tillwich GmbH Werner Stehr <b>Friction modification within the wheel-rail contact</b> Jiri Valdauf LUBRICANT s.r.o.
5:30 pm – 10:00 pm	<b>Zwickl Reception &amp; Come-together Party in Foyer &amp; HY-PRO hall</b>		

	<b>BECKMANN COULTER Hall 1</b>	<b>Hall 2</b>	<b>Hall 3</b>	<b>Hall 4 *</b>
08:30 am – 10:00 am	<b>OIL ANALYSIS</b> <b>Carrying out representative hydraulic oil sampling correctly</b> Ulrich Hielscher IHA Intern. Hydraulik Akademie GmbH	<b>WIND TURBINES</b> <b>Performance screening of wind turbine gear oils for improved reliability of wind turbines</b> Dr. Ksenija Topolovec Miklozic POWERTRIB Ltd.	<b>ADDITIVES</b> <b>Influence of metal surfaces on the interaction of additives</b> Prof. Dr. Joachim Schulz WISURA GmbH	<b>TURBINES</b> <b>Counterintuitive turbine oil additive interactions</b> Christian Soto Fluitec International
	<b>How statistical condition monitoring programs combine data to drive down maintenance cost</b> Steffen D. Nyman C.C. Jensen A/S	<b>Life extension upgrade solution for gears and bearings in wind turbines</b> Stefan Bill Rewitec GmbH	<b>Complex esters – a new oxidatively stable lubricity additive</b> Kevin Duncan Croda Europe Limited	<b>Cyclic turbine oil oxidation test method developed by Laborelec-Engie</b> Koen Balman Laborelec CVBA
	<b>Maximizing the benefits of lube and hydraulic oil analysis</b> Saeed M. Asiri Sabic	<b>Advancements in wind turbine gearbox decontamination</b> Allan H. E. Schütt Ocean Team Group of Companies	<b>Making sense of used oil analysis in today's heavy duty engine oil field trails</b> Greg Croce, STLE President Chevron Products Company	<b>Turbine oils – trends and additive solutions</b> Dr. Thomas Rühle BASF SE
10:00 am – 10:30 am – <b>Coffee &amp; Snacks</b>				
10:30 am – 12:00 am	<b>OIL ANALYSIS SENSORS</b> <b>Smart viscosity sensor for offline and online measurement</b> Mathias Sokolowski CM Technologies GmbH	<b>HYDRAULICS</b> <b>The next evolution in phosphate ester management</b> Greg Livingstone Fluitec International	<b>TRIBOLOGY</b> <b>Ionic liquids as lubricants, lubricant additives and synergistic combinations of ionic liquids and graphene</b> Dr. Sebastian Plebst IOLITEC GmbH	<b>TURBINES</b> <b>Advanced oil monitoring for industrial turbines</b> Bill Quesnel CINRG Systems Inc.
	<b>Particle counting and sizing in functional fluids using acoustic emission sensing</b> Dr. Stuart Lunt Parker Hannifin Corporation	<b>Fire resistant fluids – requirements, test methods and what to do if there still is a fire</b> Ulrich Hoischen DMT GmbH & Co. KG	<b>Novel insight into tribology of carbon black soot particles in engine oils</b> Deepak Halenahally Veeregowda Ducom Instrumentms (Europe) B.V	<b>Varnish Problems and Colorimetric Analysis</b> Norbert Becker N. Becker Ingenieurbüro & Vertrieb
	<b>Mining asset health monitoring utilizing a combination of oil condition and wear debris sensing technologies</b> Steve Baxter, Anglo American Mark Redding, Poseidon Systems	<b>What routine EHC fluid analysis fails to detect: Improved phosphate ester maintenance through non-routine testing</b> Matt Hobbs, Ph.D HYPRO Filtration & EPT Clean Oil	<b>Provision of used engine oils with defined condition by means of large scale artificial alteration</b> Dr. Charlotte Besser, AC <sup>2</sup> T GmbH	<b>Unworthy compromises at oil flushing procedure – successful turbine commissioning after the major overhaul or modernization</b> Tomás Klima ECOL Sp. z o.o.
12:00 am – 01:30 pm – <b>Lunch</b>				
01:30 pm – 03:00 pm	<b>OIL ANALYSIS METHODS</b> <b>Discharge phenomenon through flow electrification of lubricating oil and lubricating oil degradation mechanism</b> Dr. Tomomi Honda University of Fukui	<b>METAL WORKING &amp; FORMING</b> <b>Prevention of heavy metal leaching in metalworking fluids by means of inhibitors</b> Wilhelm Rehbein LANXESS Deutschland GmbH	<b>ADDITIVES</b> <b>Tribofilm forming and film failure behavior of ZDDP and ashless antiwear additives</b> Dr. Richard Baker PCS Instruments	<b>TURBINES</b> <b>Insight into turbine varnish formation – A field to lab approach</b> Michael Adler AC <sup>2</sup> T research GmbH
	<b>Analysis of oils for metals: Understanding chemical stability and icp matrix effects for boron and other metals</b> Roland St. Germain LGC Standards GmbH	<b>A novel mineral oil free, aqueous coolant lubricant product for metal rolling</b> Prof. Rolf Sköld AB Chem Dimension	<b>Understanding ZDDP degradation in engine oils on the molecular level – comparison between lab and field</b> Marcella Frauscher AC <sup>2</sup> T research GmbH	<b>Turbine oil condition unveiled through refreshment plots</b> Dr. Andrés Lantos Laboratorio Dr. Lantos
	<b>The influence of wear particle concentration particle counter signal output</b> Kevin Krogsøe, C.C. Jensen A/S			<b>A paradigm shift in lubricant maintenance</b> Peter Dufresne jr. HYPRO Filtration & EPT Clean Oil
03:00 pm – 03:30 pm – <b>Coffee &amp; Snacks</b>				
03:30 pm – 05:00 pm	<b>OIL ANALYSIS ONSITE</b> <b>Elemental analysis on-site – a new approach</b> Matthias Winkler CM Technologies GmbH	<b>ENGINES</b> <b>Coolant – the underestimated operating medium</b> Carsten Heine OELCHECK GmbH	<b>BASE OILS</b> <b>Influence of a new high viscosity basestock on gear performance</b> Andreas Minke BASF SE	<b>CONTAMINATION &amp; DEPOSITS</b> <b>Reliability oriented oil contamination monitoring of hydraulic systems</b> Jan Novák, Kleentek spol. s.r.o.
	<b>Introduction of „ConSite Oil“, an oil monitoring system for hydraulic excavator</b> Hideki Akita Hitachi Construction Machinery Co. Ltd	<b>Stationary gas engine oil's achilles heel: OEM, analytical technique, condition monitoring and diagnostics</b> Yesid Antonio Gómez Lubrication Management	<b>Naphtenic base oils for low temperature lubricants – a model study</b> Prof. Dr. Thomas Norrby Nynas AB	<b>Why varnish detection fails in hydraulic &amp; lube systems</b> Rüdiger Krethe OilDoc GmbH
		<b>A lubricant solution to the Siloxane problem in landfill gas applications</b> Mark Brighty, Lubrizol Corporation	<b>NUFLUX™-Technology for industrial gear oils</b> Dr. Gabriela Fedor Evonik Industries AG	<b>Oil aging: Measuring degradation online and by laboratory</b> Morten Henneberg C.C. Jensen A/S
5:00 pm – 6:00 pm – <b>PANEL DISCUSSION: Lubrication Programs – the missing part of Asset Management (in Beckman Coulter Hall)</b> Steffen Bots (Moderator – LubeServ), Rüdiger Krethe (OilDoc), James C. Fitch (Noria), Diana Schneider (Esso), Ulf Obkircher (Linde Gas), Jo Ameye (Fluitec)				
6:15 pm – 10:30 pm – <b>Little Oktoberfest in the Inntalhalle</b>				

	BECKMANN COULTER Hall 1	Hall 2	Hall 3
08:30 am – 10:30 am	<b>CONDITION MONITORING</b> <b>Digitization in condition monitoring and maintenance of chemical plants</b> Simon Graf InfraServ Gendorf Technik GmbH <b>The 3 columns of gear condition monitoring</b> Michael Stroi Eisenbeiss GmbH <b>Individual condition monitoring for gearbox applications</b> Christopher Schütz Argo - Hytos GmbH  <b>Condition monitoring and lubrication of wire ropes</b> Elmar Steffens STEFFENS PGmbH	<b>LUBRICATION MANAGEMENT</b> <b>Modern lubrication management in the context of Industry 4.0</b> Jens Beck SKF GmbH <b>Professional plant lubrication outsourcing /TFM/ in industry 4.0</b> Wojciech Majka ECOL Sp. z o.o. <b>How to cost justify your lubrication program</b> Austin O'Kelley Noria Corporation  <b>Simmons Feed Ingredients: Training &gt; Certification &gt; Pride &gt; Lubrication Program Success &gt; Recognition</b> Leslie Fish – ICML	<b>LUBRICANTS</b> <b>New bonded coatings for plastics and elastomers</b> Rüdiger Schiffer OKS Spezialschmierstoffe GmbH <b>Use of H1-registered corrosion protection in plastic injection molding tools</b> Uwe Kurthen Bremer & Leguil GmbH <b>Lubricant design for sustainability – base oil selection as a design tool for recyclability</b> Yiyuan Tian KTH Royal Institute of Technology <b>New emulsion lubricants for use above 200 °C</b> Tyler Housel Zschimmer & Schwarz, Incorporated
10:30 am – 11:00 am	<b>Coffee &amp; Snacks</b>		
11:00 am – 12:30 pm	<b>MAINTENANCE</b> <b>On-site measurement of nitrites in coolants by UV/Vis Spectroscopy</b> Mitchell Myers Spectro Scientific, Inc. <b>Hydraulic flow and other issues</b> Peter Mainka MaTeHa Industrieservice  <b>Managing wind turbine main bearing failures</b> Dr. John Coultate ONYX InSight	<b>LAB AUTOMATION</b> <b>Data and laboratory automation in the future</b> Boyne Hohenstein IMP Group (PTY) LTD <b>Automated workflow for routine analysis of used technical oils</b> Tobias Uber Axel Semrau GmbH & Co. KG <b>Automated sample preparation for used oil analysis</b> Mario Van Driessche Nucomat	<b>OIL ANALYSIS 4.0</b> <b>Oil analysis in the digital era</b> Cary Forgeron Bureau Veritas, Oil Condition Monitoring  <b>Oil Sensors – Status Quo?!</b> Norman Rohrwick OilDoc GmbH  <b>Industry 4.0 – processing of oil analysis data from the customer to the laboratory and back</b> Rainer Schöpf OELCHECK GmbH
12:30 pm – 01:30 pm	<b>Farewell Address, Lottery &amp; Lunch in HY-PRO hall</b>		



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## Registration

Registration fee is EUR 995.- + VAT

Registration fee for approved speakers is 190.- € + VAT.

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- with registration of three or more employees of the same company/institute
- for members of the ICML, STLE or ELGI

### Registration fee includes:

- ✓ Participation at the presentations
- ✓ Access to the exhibition
- ✓ Lunch buffet, coffee/tea and snacks during breaks
- ✓ Dinner events:  
Come-together Party on Tuesday and Little Oktoberfest on Wednesday
- ✓ Conference bag, proceedings

## Exhibitors



## Social Events/Complementary Program

- ✓ Come-together Party on 29th January
- ✓ Little Oktoberfest on 30th January
- ✓ Special recommendation: Extend your conference journey and go to Munich or Salzburg. Both are nearby! We advise you how to travel and where to stay.



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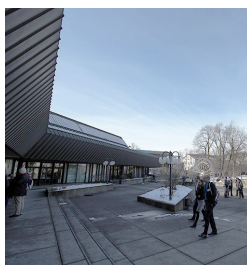
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## Location

KUKO, Conference Center, Kufsteiner Strasse 4  
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## Contact

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