OilDoc Conference and Exhibition 2019 Program
State: January 28th, 2019. Subject to change.

DAY 1 – TUESDAY, JAN. 29TH, 2019

08:30 am – 09:30 am
Opening: Petra Bots & Rüdiger Krethe (OilDoc), Otto Lederer (Bavarian Parliament), Gabriele Bauer (Mayorosse) Plenary lecture: The base oil and lubricant industry – Preparing for the future
Valentina Serra-Holm Marketing and technology director at NYNAS, President of the Union of the European lubricant industry

09:30 am – 10:00 am
Coffee & Snacks

10:00 am – 12:00 am

**BECKMANN COUTLER Hall 1**

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<th>OIL ANALYSIS METHODS</th>
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<th>LUBRICANTS</th>
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<td>Dr. Thomas Fischer – OELCHECK GmbH</td>
<td>Gerit Dornaicher</td>
<td>Dr. Stephan Baumgärtel</td>
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<td>Monitoring of nonferrous metal passivators in gear oils – Proactive copper wear detection in wind turbines – Part II</td>
<td>Hydraulic Oils – Biodegradable and H1 registered?</td>
<td>Verband Schmierstoff - Industrie e.V.</td>
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<td>Stefan Mitterer – OELCHECK GmbH</td>
<td>Markus Gottschlich</td>
<td>Benefits of polyalkylene glycol lubricants in specific industrial applications</td>
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<td>Vis-near-infrared spectroscopy – a fast and convenient method for monitoring multiple quality indicators of lubricating oil</td>
<td>Bremer &amp; Legui GmbH</td>
<td>Prof. René Koschabek</td>
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<td>Dave van Staveren</td>
<td>LANXESS Deutschland GmbH</td>
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<td>Metrohm AG</td>
<td>Prevention of condensation damages in hydraulic systems</td>
<td>Relationships between molecular structures and properties of PAO: Spectral, thermal and oxidation stabilities</td>
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<td>Oberservance of a reverse polity electrastatic discharge signals in hydraulic and lubricating applications</td>
<td>Heinrich Laas</td>
<td>Prof. Jiusheng Li</td>
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<td>Dr. John K. Duchowski</td>
<td>Giebel FiTec GmbH</td>
<td>Chinese Academy of Sciences</td>
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<td>HYDAC FluidCareCenter GmbH</td>
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<td>Tribological properties of full bio-based coffee lubricant</td>
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01:30 pm – 03:00 pm

**OIL ANALYSIS METHODS**

Infrared spectral microscopy – Principles of FTIR microstructure analysis
Dr. Cory Schomburg
PerkinElmer Life and Analytical Sciences

Infrared spectral microscopy – A tool for understanding varnish formation
Dave Wooton
Wooton-Consulting

Ultra-low P, S, Cl analysis in liquids with a versatile benchtop WDXRF spectrometer
Wolfgang Köck
Rigaku Europe

3:00 pm – 3:30 pm
Coffee & Snacks

03:30 pm – 05:30 pm

**OIL ANALYSIS**

Global used oil analysis programs – challenges and solutions
Steffen Bots
LubeServ

Optimizing oil drain intervals – the development and use of an oil life algorithm
Michael Holloway
ALS Industrial Division / Tribology

Grease cleanliness: Methods to measure and the impact of contaminants on equipment life
Richard N. Wurzbach
MRG Labs

Laboratory 4.0: Hypes, Buzzwords, Confusion or added value – Views of an instrument supplier
Christoph Jansen, Mettler-Toledo GmbH

The impact of high viscous naphthenic oils on various thickener systems
Dr. Jinxia Li
Nynas AB

New wind turbine bearing grease technology
Kirsten Schwörer
BP Europa SE

PFPE greases – modern trends and perspectives
Verena Leumann
Setral Chemie GmbH

Adhesion and tackiness of industrial greases: a new experimental approach
Emmanuel Georgiou, Falex Tribology N.V.

Synovum COF determination without experiment – Entropy triboanalysis and synthesis of natural machines
Prof. Dr. Sc. Sergey Fedorov
Kaliningrad State Technical University

Robustness of lubricating film
Dr. Ksenija Topolovec Miklozic
POWERTRIB Ltd.

Determination of adhesive properties of lubricants on surfaces
Susanne Beyer-Faiss
Dr. Tillwich GmbH Werner Stehr

Friction modification within the wheel-rail contact
Jiri Valdauf
LUBRICANT s.r.o.
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<td>10:00 am – 10:30 am</td>
<td>Coffee &amp; Snacks</td>
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<td>10:30 am – 12:00 am</td>
<td>Smart viscosity sensor for offline and online measurement</td>
<td>Hall 1</td>
<td>Mathias Sokolowski, CM Technologies GmbH</td>
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<td>12:00 am – 1:00 pm</td>
<td>Lunch</td>
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<td>01:30 pm – 03:00 pm</td>
<td>Discharge phenomenon through flow electrification of lubricating oil and lubricating oil degradation mechanism</td>
<td>Hall 2</td>
<td>Dr. Tomomi Honda, University of Fukui</td>
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<td>03:00 pm – 05:00 pm</td>
<td>Elemental analysis on-site – a new approach</td>
<td>Hall 3</td>
<td>Matthias Winkler, CM Technologies GmbH</td>
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<td>05:00 pm – 6:00 pm</td>
<td>PANEL DISCUSSION: Lubrication Programs – the missing part of Asset Management (in Beckman Coulter Hall)</td>
<td>Hall 4 *</td>
<td>Steffen Bots (Moderator – LubeServ), Rüdiger Krethe (OilDoc), James C. Fitch (Noria), Diana Schneider (Esso), Ulf Odkircher (Linde Gas), Jo Ameye (Fluitec)</td>
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<td>Time</td>
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| 08:30 am – 10:30 am | **CONDITION MONITORING**<br>Digitization in condition monitoring and maintenance of chemical plants<br>Simon Graf<br>InfraServ Gendorf Technik GmbH<br>The 3 columns of gear condition monitoring<br>Michael Stroi<br>Eisenbeiss GmbH<br>Individual condition monitoring for gearbox applications<br>Christopher Schütz<br>Argo - Hytos GmbH<br>Condition monitoring and lubrication of wire ropes<br>Elmar Steffens<br>STEFFENS PGmbH<ref>
|              | **LUBRICATION MANAGEMENT**<br>Modern lubrication management in the context of Industry 4.0<br>Jens Beck<br>SKF GmbH<br>Professional plant lubrication outsourcing /TFM/ in industry 4.0<br>Wojciech Majka<br>ECOL Sp. z o.o.<br>How to cost justify your lubrication program<br>Austin O’Kelley<br>Noria Corporation<br>Simmons Feed Ingredients:<br>Training > Certification > Pride > Lubrication Program Success > Recognition<br>Leslie Fish – ICML<ref>
|              | **LUBRICANTS**<br>New bonded coatings for plastics and elastomers<br>Rüdiger Schiffer<br>OKS Spezialschmierstoffe GmbH<br>Use of H1-registered corrosion protection in plastic injection molding tools<br>Uwe Kurthen<br>Bremer & Leguil GmbH<br>Lubricant design for sustainability – base oil selection as a design tool for recyclability<br>Yiyuan Tian<br>KTH Royal Institute of Technology<br>New emulsion lubricants for use above 200 °C<br>Tyler Housel<br>Zschimmer & Schwarz, Incorporated<ref>
| 10:30 am – 11:00 am | Coffee & Snacks                                                        |                                                                      |                                                                      |
| 11:00 am – 12:30 pm | **MAINTENANCE**<br>On-site measurement of nitrites in coolants by UV/Vis Spectroscopy<br>Mitchell Myers<br>Spectro Scientific, Inc.<br>Hydraulic flow and other issues<br>Peter Mainka<br>MaTeHa Industrieservice<br>Managing wind turbine main bearing failures<br>Dr. John Coultate<br>ONYX InSight<ref>
|              | **LAB AUTOMATION**<br>Data and laboratory automation in the future<br>Boyne Hohenstein<br>IMP Group (PTY) LTD<br>Automated workflow for routine analysis of used technical oils<br>Tobias Uber<br>Axel Semrau GmbH & Co. KG<br>Automated sample preparation for used oil analysis<br>Mario Van Driessche<br>Nucomat<ref>
|              | **OIL ANALYSIS 4.0**<br>Oil analysis in the digital era<br>Cary Forgeron<br>Bureau Veritas, Oil Condition Monitoring<br>Oil Sensors – Status Quo?!<br>Norman Rohrwick<br>OilDoc GmbH<br>Industry 4.0 – processing of oil analysis data from the customer to the laboratory and back<br>Rainer Schöpf<br>OELCHECK GmbH<ref>
| 12:30 pm – 01:30 pm | Farewell Address, Lottery & Lunch in HY-PRO hall                    |                                                                      |                                                                      |

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Registration

Registration fee is EUR 995. - + VAT
Registration fee for approved speakers is 190.- € + VAT.
5% discount...
- 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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Location
KUKO, Conference Center, Kufsteiner Strasse 4
D-83022 Rosenheim (inner city)
50 km from Munich, 70 km from Salzburg
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.

Contact
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Petra Bots & Bastian Gürth – Registration & Information
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