

Nov. 17-19, **2021**
Bavaria - Germany

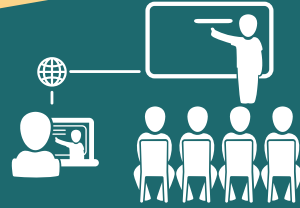
OilDoc
Conference & Exhibition

Lubricants
Maintenance
Condition Monitoring

 oildoc-conference.com



HYBRID EVENT
Take part in-person or virtual



The trend-setting event for the fields of lubricants, maintenance and condition monitoring in Europe will take place from **Nov. 17-19, 2021!**

We look forward to welcoming as many visitors as possible in person at our premises in Rosenheim (near Munich) (3G verification required!). Alternatively, you also have the possibility to participate virtually: All live lectures and the atmosphere of the event will be streamed digitally directly to your desktop!

Regardless of how you participate: The program committee has put together an exciting and practical program with 70+ presentations and success stories from top-class international speakers, as well as workshops and a field trip on the topics of lubrication, maintenance and condition monitoring.

- **Condition Monitoring & Maintenance 4.0**
- **Fluid Condition Monitoring** - Online • On-Site • Offline
- **Asset & Fluid Management** - Innovative & Sustainable
- **Lubricants** - (Bio) Base oils • Additives • Engine & Hydraulic
- **E-Drive Lubrication** - Developments & opportunities
- **Metal working and forming lubrication**
- **Oil Care & Filtration**

IT'S UP TO YOU!

In-person Participation
Personal, secure & direct



The HERE wins! Thanks to a viable protection and hygiene concept as well as the 2G proof (Vaccinated or recovered) requirement at the entrance, hopefully nothing will stand in the way of your participation on site at KU'KO Rosenheim.

At the Zwickl reception on 17.11., the Bavarian Evening on 18.11., the workshops or the excursion to the Wendelstein, there will finally be another opportunity for personal networking. For sure!

Virtual Participation
Live, convenient & interactive



In the virtual space of the OilDoc Conference you will have the feeling from home, from the office or from whatever place: I am there in-person.

Be inspired by exciting presentations as a virtual participant - live and interactive or on demand (up to one week after the end of the event). Via the Event App you can easily get in touch with all exhibitors, speakers and participants via chat or video call.

Supporter



OilDoc Conference and Exhibiton 2021 Program State: November 2021. Subject to change.

DAY 1 – WEDNESDAY, NOVEMBER 17, 2021			
08:30 am – 09:30 am	Opening: Petra Bots & Rüdiger Krethe (OilDoc) Plenary lecture: Sustainability – an holistic approach of modern lubrication management Peter Dufresne jr. (EPT) & Patrick Kreutzer (HYPRO Filtration)		
09:30 am – 10:00 am	Coffee & Snacks		
	Hall 1	Hall 2	Hall 3
10:00 am – 12:00 am	OIL ANALYSIS SENSORS	HYDRAULICS	MAINTENANCE I
	Novel in-line oil condition monitoring Dr. Benjamin Wiesent Spectrolytic GmbH	Sensitivity analysis of operating parameters in hydraulic systems with respect to the ageing of hydraulic fluids Tobias Schick Bosch Rexroth AG	Understand and controlling bearing temperatures excursions on rotating equipment Jo Ameye FLUITEC N.V.
	Multi-parameter online oil condition monitoring Dr. Alexander O. Niedermayer Micro Resonant Technologies GmbH	How to check the hydraulic fluids compatibility by laboratory tests Vincent Bouillon BfB Oil Research	Lifetime extension of in-service turbine oils Coen Balman Laborelec CVBA
	Deep online analysis of dielectric parameters for lubricants with an innovative oil sensor system Dr. Jörn Peuser cmc Instruments GmbH	High VI industrial lubricants and their impact on equipment efficiency Frank-Olaf Mähling Evonik Industries AG	Current guidance and best practices for Phosphate Ester FRF Users Peter Dufresne EPT-CleanOil
	The modern oil condition sensor LubCos H₂O-II Christopher Schütz Argo-Hytos GmbH	Components for arctic lubricants Dr. Thomas Rühle BASF SE	Developments in measuring and managing hydraulic oil degradation Greg Livingstone FLUITEC International
12:00 am – 01:30 pm	Lunch		
01:30 pm – 03:00 pm	OIL ANALYSIS	CM & MAINTENANCE I	ADDITIVES I
	Seeking rock solid reliability in oil sampling Bernie Hall Checkfluid Inc.	Digitalization & lubricant analyses - an efficient partnership Stefan Mitterer OELCHECK GmbH	Life cycle assessment of EP- and antiwear additives Wilhelm Rehbein LANXESS Deutschland GmbH
	Optimizing renewables with fluid condition monitoring – solar inverter systems Dr. Barbara Monse Inspectorate Deutschland GmbH	Digitalization of lubricated assets: Online monitoring to enable 4.0 maintenance Guillermo Miró Atten2	Particle-based Phyllosilicate-additive for efficiency improvement and surface protection Stefan Bill Rewitec GmbH
	The lubricant electrical conductivity – an underestimated yet informative property and what can it tell us? Dr. John Duchowski HYDAC FluidCareCenter GmbH	Moving beyond the individual report in a connected world Gwyn Simmonds Polaris Laboratories LLC.	Proven fuel efficiency – highlights of BASFs heavy duty fleet test protocol Dr. Marcel Harhausen BASF SE
03:00 pm – 03:30 pm	Coffee & Snacks		
03:30 pm – 05:30 pm	OIL ANALYSIS METHODS	ENGINES	FLUID SERVICE I
	LADIES Micropatch test: a brand new approach towards automated varnish detection Dr. Guiseppe Adriani Mecoil Diagnosi Meccaniche S.r.l.	Pre-ignition phenomena in the tension field between operating agents and thermodynamical boundary conditions Thomas Emmrich IAV GmbH	Breather dryer 4.0 for biodegradable oils Heinrich Laas Giebel FilTec GmbH
	FTIR – useful tool for daily praxis Jiri Valdauf LUBRICANT s.r.o.	Possibility to extend oil service life in commercial vehicle diesel engines when using B100 (FAME) Carsten Heine OELCHECK GmbH	Oil and water shouldn't mix: restoration of steam turbine oil demulsibility Matthew Hobbs EPT-CleanOil
	A new method for oxidation detection in industrial oils Sina Malenke OELCHECK GmbH	The critical role sulfation process play in stationary gas engine oil performance – Part B Yesid Antonio Gomez Bureau Veritas Spain, Oil CM	Transformer dry out systems: The advantages of online transformer dry out systems vs offline processes Patrick Kreutzer Hy-Pro Filtration
	Analytical laboratory 4.0 – how to integrate your ICP? Dirk Wüstkamp SPECTRO Analytical Instruments GmbH	Tribometer assessment of lubricity of engine oils Dr. Franz Novotny-Farkas Ingenieurbüro für Erdölwesen	Removing water from specialized lubricants Steffen D. Nyman C.C. Jensen A/S
5:30 pm – 8:00 pm	COME TOGETHER - ZWICKL RECEPTION		

DAY 2 – THURSDAY, NOVEMBER 18, 2021

	Hall 1	Hall 2	Hall 3
08:30 am – 10:00 am	<p>CM & MAINTENANCE II</p> <p>Advanced vibration monitoring of industrial gearboxes Michael Stroi Eisenbeiss GmbH</p> <p>Integrating vibration monitoring with oil sensors to provide new insights in wind turbine predictive maintenance Dr. John Coultate ONYX InSight</p> <p>On-line condition monitoring of Wind turbine gearbox lubricant based on colorimetry Dr. Kyoko Kojima Hitachi Ltd.</p>	<p>GREASES</p> <p>Nano structure urea grease with new performance level Dirk Rettemeyer Idemitsu Lube Europe GmbH</p> <p>Introduction of a general approach to predict the service life of greases in rolling bearings Frank Reichmann Carl Bechem GmbH</p> <p>Precision grease lubrication: optimization of equipment performance and grease life through sampling and analysis Rich Wurzbach MRG Labs</p>	<p>TRIBOLOGY & TRIBOTESTING</p> <p>To diagnosis of friction and lubrication by wear particles Prof.Dr. Sergey Fedorov Kalinigrad State Technical University</p> <p>Laboratory ageing of ester oils and its effect on friction and wear Deepak Veeregowda Ducom Instruments Europe BV</p> <p>New hydrolytic stability testing on biobased lubricants and base fluids Mark Miller Biosynthetic Technologies</p>
10:00 am – 10:30 am – Coffee & Snacks			
10:30 am – 12:00 am	<p>CM & MAINTENANCE III</p> <p>Evaluation of engine oil deterioration using a comb-shaped electrode Moritsugu Kasai Idemitsu Kosan Co., Ltd.</p> <p>Utilizing wear debris monitoring to extend wind turbine gearbox life Mark Redding Poseidon Systems LLC</p> <p>Enabling reliability capabilities through Mobil ServSM asset management Bugra Kilincer Exxon Mobil Corporation</p>	<p>LUBRICATION I</p> <p>Lubricants - latest developments - bonded coating Rüdiger Schiffer OKS Spezialschmierstoffe GmbH</p> <p>Increasing requirements – the answer from the industrial oils Wolfgang Bock Fuchs Schmierstoffe GmbH</p> <p>Reliable compressor lubrication through extended oil specification for oil and gas industry Daniela Posselt AC²T research GmbH</p>	<p>BASE OILS</p> <p>Lubricity behavior of HVOs Deepak Veeregowda Ducom Instruments Europe BV</p> <p>Liquid amides – Novel, high performance base oils Dr. Claire Ward Croda Europe Limited</p> <p>Innovations and regulations for bio-based and sustainable lubricants Mark Miller Biosynthetic Technologies</p>
12:00 am – 01:30 pm – Lunch			
01:30 pm – 03:00 pm	<p>EV LUBRICATION</p> <p>Development of next generation EV coolant Govind Khemchandani Dober</p> <p>The Cu wire insulation test (CuWIT) designed for future e-mobility concepts Dr. Steffen Sandhöfner Lanxess Deutschland GmbH</p> <p>Importance and challenges of greases in electrical vehicles Dr. Rich Baker TriboTronic</p>	<p>METAL WORKING & FORMING</p> <p>Naphthenic base oils in MWFs - key contributions to emulsion stability Prof. Dr. Thomas Norrby Nynas AB</p> <p>Advantages of metalworking fluids utilizing hydrophilic protein protection layers Dr. Matthias Reihmann GELITA AG</p> <p>Expanding the applicability of ASTM D3233A method to evaluate cutting fluids Dirk Drees Falex Tribology N.V.</p>	<p>ADDITIVES II</p> <p>Surfactants with improved wetting behavior and moderate foam properties Ludger Bösing Sasol Germany GmbH</p> <p>Improving tribological behaviour by the addition of ionic liquids and graphene Dr. Sebastian Plebst IoliTec-Ionic Liquids Technologies GmbH</p> <p>Design, tribological properties and mechanism analysis of jeffamine triazole derivatives as green lubrication additives Jiabei Wang Chinese Academy of Sciences</p>
03:00 pm – 03:30 pm – Coffee & Snacks			
03:30 pm – 05:30 pm	<p>OIL ANALYSIS METHODS II</p> <p>Insight into coolant analysis – methods and developments Dr. Christoph Heinzl OELCHECK</p> <p>Monitoring of antioxidant depletion by FT-IR Dr. Thomas Fischer OELCHECK</p> <p>Automatic antioxidant determination including automatic sample preparation for in-service lubricants Barbara Zumbärgel Methrom AG</p> <p>Failure analysis by oil tests Mohamad Sabzi Ravan net Par</p>	<p>LUBRICATION II</p> <p>Strategies for improving a good formula Tyler Housel Zschimmer & Schwarz Inc.</p> <p>Formulation strategy for advanced industrial gear oils Gabriela Fedor Evonik Industries AG</p> <p>Condition based maintenance in oil pump gears - Improved lubrication with nanoparticle additives Marcella Frauscher AC²T research GmbH</p> <p>How to introduce condition based maintenance in Russian enduser market Dietmar Kreyser Lubeserv LLC</p>	<p>MAINTENANCE II</p> <p>Requirements for maintenance operations in the digital age Norman Barnekow SolutiCon GmbH & Co. KG</p> <p>Programmatic asset management of lubricated machinery Bryan Johnson Arizona Public Service</p> <p>How to commission a turbine oil system that was over years out of operation Tomas Klima Ecol Industrial s.r.o.</p>

6.00 pm – 10:30 pm – BAVARIAN EVENING RELOADED

It's up to you!

- ✓ Take part in **one or two practical oriented workshops** at the OilDoc Academy in Brannenburg and/or visit the **OELCHECK laboratory** (just 15 km from Rosenheim, 10 minutes via train)

WORKSHOPS

WORKSHOPS AT THE OILDOC ACADEMY IN BRANNENBURG (15 KM FROM ROSENHEIM)			
9:00 am – 10:30 am	WORKSHOP A - I Understand and evaluate lab-reports Carsten Heine OELCHECK GmbH	WORKSHOP B Understand and evaluate FT-IR spectra Rüdiger Krethe OilDoc GmbH	OELCHECK LAB-TOUR I Test methods in practice
10:30 am – 11:00 am	Coffee & Snacks		
11:00 am – 12:30 pm	WORKSHOP A - II Understand and evaluate lab-reports Carsten Heine OELCHECK GmbH	WORKSHOP C Onsite testing of oils and greases Rüdiger Krethe, OilDoc GmbH	OELCHECK LAB-TOUR II Test methods in practice
12:30 pm – 01:30 pm	GRAB & GO LUNCH		

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
ending at 1:30 pm at Brannenburg valley station



MEET OUR EXHIBITORS!

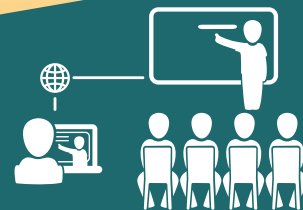
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HYBRID EVENT
Take part in-person or virtual



The OilDoc Conference & Exhibition 2021 is planned as a „real“ hybrid event – take part in-person or virtual.

Benefits for all participants:

- ✓ 70+ presentations from international professionals in three parallel sessions on two intense Conference days
- ✓ Access to all video recordings of the Conference presentations for one month after the event
- ✓ Conference bag with proceedings and information material
- ✓ Access to our professional Event App:
Create your personal agenda, contact other participants and exhibitors directly, ask questions, stay up-to-date

Benefits for in-person participants:

- ✓ Access to the exhibition
- ✓ Come-together Reception incl. drinks and snacks on November 17, 2021
- ✓ Oktoberfest Reloaded incl. Bavarian Dinner on November 18, 2021
- ✓ Participation on workshops/lab-tour or excursion on November 19, 2021
- ✓ Lunch buffet, water, coffee/tea and snacks during breaks
- ✓ A sustainable protection and hygiene concept incl. community masks and sanitizer

Benefits for virtual participants:

- ✓ Live broadcasting from all 70+ presentations in three parallel sessions
- ✓ Live broadcasting of the workshops on November 19, 2021
- ✓ Access to the virtual exhibition incl. the option for 1:1 video calls and live-chats
- ✓ Option to ask the speakers questions and discuss with them via our app
- ✓ Broadcast of the atmosphere of the event via live stream during the breaks, in the exhibition and at the unique networking events

Registration fees

Regular Fee for in-person participants (after September 30, 2021) 945.- € + VAT

Virtual Fee 595.- € + VAT

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

Registration fee for exhibitors 785.- € + VAT

5 % discount ...

- with registration of three or more employees of the same company/institute

- for members of the ICML, STLE, ELGI or mfa

Terms and conditions of the OilDoc Conference 2021

Registration & Payment

You may register online at our website register.oildoc.com. Payment options: Paypal, credit card or invoice (payment term 10 days net). You may also send us your registration via e-mail from your company order system. After your registration is received, a confirmation of your attendance and an invoice will be sent to you automatically. The payment terms cited in the invoice (10 days net) must be observed. The number of in-person participants is limited and we highly recommend an early registration.

Full payment of the invoice amount is a requirement for access to the Conference venue and Conference App.

Withdrawal/Cancellation:

Before September 30, 2021: 100% refund of invest, minus EUR 50,- administration fee.

From September 30 until October 22, 2021: 50% refund of invest.

After October 22, 2021: No refund issued.

These fees are charged independently for the reason for the cancellation.

Please note: It is possible to transfer a in-person registration into a virtual registration at any time. The difference in the fee will be refunded.

A substitute participant can also be named at any time.

Force Majeure:

If OilDoc GmbH is unable to operate the event, as a result of force majeure or other circumstances beyond its control (e.g. the Corona pandemic), OilDoc may postpone the event.

Already paid participation fees will be refunded on request (minus a processing fee of 50 €). OilDoc is not liable for damages and disadvantages to participants arising from the cancellation of the event. If OilDoc GmbH has to postpone or to curtail the running event, as a result of force majeure or other circumstances beyond its control, the participant can not claim a refund.

Data protection

By registering for the OilDoc Conference and Exhibition 2021 you agree to the following statements:

I am aware that my personal data (First Name, Last Name, Company/Organisation/Institute, Country, City) will appear on the printed list of participants. This list will be handed out to all participants but it will not be published or forwarded digitally. I am aware that my personal data will be uploaded in the Conference App one week prior and during the event. I agree that videos and photos may be taken during the event without any right to compensation and that these videos and photos may eventually be published (online and offline) or used for advertising/promotional purposes by the OilDoc GmbH.

You may revoke your consent in writing to info@oildoc.com at any time!

State: April 2021

Exhibition

Also during the 2021 OilDoc Conference an on site and virtual exhibition is organized. Some booths still are left.

Contact us for more information!

Promotion, Partnership and Advertising

At the 2021 OilDoc Conference and Exhibition you will get in touch and get to know the most important decision makers of your industry again. There is no better way to reach them all!

OilDoc offers a **Premium Sponsor System** and a whole range of possibilities for **traditional & extraordinary advertising** for almost every budget. Ask for our Sponsoring brochure! Our promotion experts will be glad to advise you.

Location

KUKO, Conference Center (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

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