

# International Conference for Dispersion Analysis & Materials Testing 2022 - virtual

Day 1 - January 24, 2022

Time	Talk
10:00 am (UTC+1)	<b>Opening of the conference &amp; preview Day 1</b> <b>Prof. Dr. Dr. Dietmar Lerche, Scientific Chair</b>
<b>Session 1: Hansen Dispersibility/Solubility Parameters</b>	
10:30 am (UTC+1)	<b>Sven Uwe Böhm</b> KRONOS INTERNATIONAL, Inc., Germany <b>LUMiSizer Based HSP Investigation of TiO<sub>2</sub> Pigments</b>
11:00 am (UTC+1)	<b>Osama Anwar, M. Sc.</b> University of Duisburg-Essen, Particle Science and Technology (IVG-PST), Germany <b>Hansen parameters for directed photocatalyst design: Using particle size distributions for probe liquid classification</b>
11:30 am (UTC+1)	<b>Dr. Jörg Schuhmacher</b> Schott AG, Germany <b>Selection of Optimum Multi-Component Solvent Mixtures for Particle-based Wet Chemical Coating Solutions in Industrial Applications</b>
12:00 pm (UTC+1)	<b>Amin Said Amin, M. Sc.</b> University of Duisburg-Essen, Particle Science and Technology (IVG-PST), Germany <b>Systematic Study of the Stability of Vulcan XC72R in Different Organic Solvents Using Analytical Centrifugation and the Hansen Solubility/Dispersibility Parameters</b>
12:30 pm (UTC+1)	<b>Break</b>

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Time	Talk
<b>Session 2: Structural and separation analysis of daily life formulations and analoga</b>	
12:45 pm (UTC+1)	<b>Prof. Dr. Timothy Hunter</b> University of Leeds, UK  <b>Validated simulations of bidisperse colloidal sedimentation</b>
01:15 pm (UTC+1)	<b>Yuwen Meng</b> University of Le Mans, IMMM, France  <b>The effect of xanthan on the stability and morphology of water in water emulsions</b>
01:45 pm (UTC+1)	<b>Dr.-Ing. Marco Gleiß</b> Institute of Mechanical Process Engineering and Mechanics – Karlsruhe Institute of Technology (KIT), Germany  <b>Integration of sedimentation analysis into the numerical simulation for designing and scale-up of solid-liquid separation units</b>
02:15 pm (UTC+1)	<b>Closing comments Day 1 and preview Day 2</b> <b>Prof. Dr. Dr. Dietmar Lerche, Scientific Chair</b>

# International Conference for Dispersion Analysis & Materials Testing 2022 - virtual

Day 2 - January 25, 2022

Time	Talk
11 am (UTC+1)	<b>Welcome &amp; preview Day 2</b> <b>Prof. Dr. Dr. Dietmar Lerche, Scientific Chair</b>
<b>Session 3: Characterization of particle properties</b>	
11:10 am (UTC+1)	<b>Paola Cardenas, M. Sc.</b> Friedrich-Alexander University Erlangen-Nürnberg (FAU), Institute of Particle Technology (LFG), Germany  <b>Multidimensional characterization of noble metal alloy nanoparticles</b>
11:40 am (UTC+1)	<b>Dr. Horst Purwin</b> KRONOS INTERNATIONAL, Inc., Germany  <b>LUMiReader X-Ray Based Investigations of TiO<sub>2</sub> Products</b>
12:10 pm (UTC+1)	<b>Break</b>

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Day 2 - January 25, 2022

Time	Talk
<b>Session 4: Young Scientist Award 2022</b>	
12:25 pm (UTC+1)	<b>Lia Beraldo da Silveira Balestrin, PhD</b> Federal Institute of Rio Grande do Sul (IFRS), Brazil  <b>LUMiSizer: an important tool in asphaltene inhibition studies</b>
12:55 pm (UTC+1)	<b>Dr.-Ing. Charlotte Capitain</b> Mannheim University of Applied Sciences, Germany  <b>Measuring the competition between adhesion and cohesion for the development of a novel mussel mimicking adhesive containing a chitosan backbone</b>
01:25 pm (UTC+1)	<b>Inga-Malena Meyenborg, , M. Sc.</b> Fraunhofer IFAM Bremen, University of Bremen, Germany  <b>A rapid testing method for fatigue in metal additive manufacturing</b>
01:55 pm (UTC+1)	<b>Ana Beatriz Dilena Spadoni, M. Sc.</b> Faculdade de Ciências Agrárias e Veterinárias de Jaboticabal, Brazil  <b>Interaction and stability in spray mixtures of fungicide and adjuvants with insecticides</b>
02:25 pm (UTC+1)	<b>Award ceremony YSA 2022</b> <b>Prof. Dr. Dr. Dietmar Lerche, Scientific Chair</b>
02:30 pm (UTC+1)	<b>Conclusion of the conference</b> <b>Prof. Dr. Dr. Dietmar Lerche, Scientific Chair</b>