



Additional Information: COSSMA Sponsored Webinar

LUM GmbH, Berlin

To be held on Tuesday, 8th of November 2016, 4 p.m. Berlin Time

<http://www.cossma.com/webinar>



STEP-Technology for Particle Sizing of Raw Material for Cosmetic Products

Date: Tuesday, November 8th,
4 P.M. (Berlin Time)

Duration: 30-45 minutes

Language: English

Speaker: Dr. Arnold Uhl, LUM GmbH

About the webinar:

The webinar is targeted at formulators and product developers, product and quality control managers in cosmetics, home and personal care industries.

The composition of cosmetics, home and personal care products is often characterized by many ingredients of manifold nature. In sun care products for example a moisturizing lotion with Titanium dioxide (o/w) contains 14 ingredients [1].

The determination of particle size distributions of individual ingredients allows for the early detection of deviations in the raw material, prior to their subsequent use in formulation.

The advantages of the innovative STEP-technology for the characterization of physical separation stability of complex final cosmetic products and the concept of comparative shelf life prediction (ISO/TR 13097) were discussed in a previous webinar. STEP = Space and Time resolved measurement of Extinction Profiles simultaneously for the whole sample, for the entire height of a sample from top to bottom.

Now, the parallel use of this technology for the determination of droplet size distributions and particle size distributions according to ISO 13318 is in the focus of the present webinar. Based on a direct physical measurement true raw data are obtained, the same principle is applied for nanometers up to micrometers. Examples illustrate the easy use. The session ends with Q&A.

[1] http://www.cossma.com/fileadmin/all/cossma/Archiv/2016/11/COS1611_LUMBackground.pdf



About the speaker:

Arnold Uhl studied chemistry at Humboldt-University in Berlin from 1989-1994, being particularly interested in organic photochemistry. After the diploma he worked for few years in the field of semiconductor research. He received his PhD in chemistry from Humboldt-University in 2001. From 1999-2004 he worked in a company producing instruments for industrial process control and scientific research. In 2004 Dr. Arnold Uhl joined the marketing and sales department of LUM GmbH and was appointed Sales & Marketing Manager in 2009. The comprehensive understanding of complex industrial formulations and processes in an easy way, by using analytical instruments, inspires him during his daily work with customers around the world. In December 2015 he was appointed member of the board of directors of LUM (Changzhou) Instruments Co., Ltd.