

Universities of Applied Sciences Projects at ILMAC and SCS Booth

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For the second time after 2013 the SCS is partnering with the four Departments/Institutes of Chemistry at Universities of Applied Sciences (UAS) to present successful and innovative projects with a direct link to industrial application. The projects show that scientific research at UAS has become an essential pillar in the Swiss academic landscape and provides important contributions not only to the education of highly qualified employees but also to innovation in companies of all sizes. UAS became an integral part of a successful and innovative industrial location and help to keep Switzerland an attractive place for existing and new companies.

ILMAC as the trade fair for Laboratory and Process Technology, specializes strongly on innovation and application in industry and provides a perfect platform to present UAS initiatives and projects to a broader public.

A total of eleven projects from all four UAS chemistry/life science departments in Switzerland were accepted by the evaluation committee. The assessment process looked at the innovative potential and the practical application. The projects will be presented as posters and, if possible, also with concrete prototypes or samples at the joint booth of the SCS and the UAS. You can find a preview of all projects here.

A selection of initiatives are presented as short lectures in the ILMAC Forum as follows:

Wed, September 21, 2016, 10.15–10.45

Analytical sciences: development of new analytical methods and applications.

10.15 *Semi-Quantitative Analysis of Transglutaminase in Food Samples Using a Lateral-Flow Immunoassay*
Sebastian Tschirren, FHNW

10.30 *Fully Automatized Newborn Screening for Acylcarnitines, Amino Acids and Steroids by LC-MS*
Christian Berchtold, FHNW

Thu, September 22, 2016, 10.00–10.45

Biotechnology and bioanalytics: innovations in the fields of biotechnology, diagnostics and medicine.

10.00 *A Novel Approach to Assess the Bioactive and Cytotoxic Potential of Novel Biomaterials: the Agar Diffusion Scratch Assay*

Manfred Zinn, HES-SO Valais-Wallis

10.15 *Standardized Expansion of Human Mesenchymal Stem Cells (hMSCs) in Wave-mixed Single-use Bioreactors*
Dieter Eibl, ZHAW

10.30 *Phosphate Recovery Using Scale-up Microbial Electrolysis Cell*
Fabian Fischer, HES-SO Valais-Wallis

Fri, September 23, 2016, 10.00–10.45

Process technology and engineering: efficient and sustainable solutions for industrial processes.

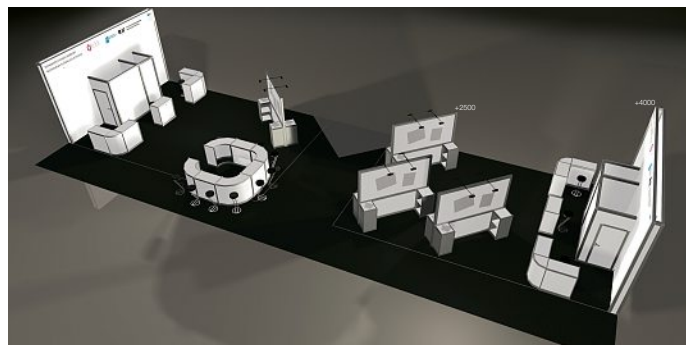
10.00 *Design eines neuartigen Rohrreaktors für homogene und heterogene Mehrphasenreaktionen*
Wolfgang Riedl, FHNW

10.15 *Production of Poly(3-hydroxyalkanoates) Biopolymers from Syngas Using Rhodospirillum rubrum: Turning Waste into Treasure*
Manfred Zinn, HES-SO Valais-Wallis

10.30 Development of a New Generation Coffee Roaster – The 'InfinityRoast' A Success Story of Collaboration between the ZHAW and Bühler AG Chahan Yeretzian, ZHAW

We would be very happy to welcome you as a guest at our booth or as a visitor in one of our project presentation session.

Booth of the SCS, the UAS and its Partner Organizations



SCS Booth: Hall 1.1, C110, right next to the ILMAC Forum

SCS offers you at its booth/bar coffee and refreshments and a comfortable place to relax during your ILMAC visit.

Booth Partners of the Swiss Chemical Society are

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