A CAMPUS OF THE SENSES WORKSHOP

Modern analytical methods exhibit increasingly high levels of complexity, in particular those used in the life sciences, chemistry, physiology and medicine. Multidimensional systems that combine analytical instrumentation generate an ever-increasing amount of data. This presents a challenge in data processing.

At the Campus of the Senses, Fraunhofer IIS and Fraunhofer IVV, together with university researchers from FAU Erlangen-Nürnberg, are studying human sensory experiences in view of converting them into digital form.

LET’S COME TOGETHER AND FIND JOINT SOLUTIONS!

www.campusdersinne.de

CONFERENCE VENUE

Fraunhofer Institute for Process Engineering and Packaging IVV
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PARTICIPATION FEE

Industry: € 690
Academia: € 370

REGISTRATION

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www.ivv.fraunhofer.de/data-analytics

Closing date: 2 October 2018
A CAMPUS OF THE SENSES WORKSHOP
Moderation: Bastian Andrejewski, Fraunhofer IIS

Monday, 15 October 2018

9.00 am  Introduction to the Campus of the Senses
Prof. Dr. Andrea Büttner, Friedrich-Alexander-Universität (FAU) Erlangen-Nürnberg, DE / Fraunhofer IVV Freising, DE

9.30 am  Cross correlative approaches to componentisation of Hi-Res MS Data to simplify the data mining
Dr. Jens Jacobsen, Waters Schweiz AG, Baden-Dättwil, CH

10.00 am  Innovative possibilities of visualization of odour/headscape compositions – Introduction to GC-IMS based fingerprinting
Dr. Hansruedi Gygax, Gygarome Consulting, Bad Ragaz, CH

10.30 am  Coffee break

11.00 am  Next generation PTR-MS: More real time analytical data increase data handling complexity
Univ.-Prof. Mag. Dr. Armin Hansel, University of Innsbruck, Innsbruck, AT

11.30 am  Advanced data processing – The cornerstone of efficient untargeted volatliomics applications
Dr. Pierre-Hugues Stefanuto, University of Liège, Liège, BE

12.00 am  Lunch break

Tuesday, 16 October 2018

9.00 am  Model-based assessment of contaminant migration data
Prof. Dr.-Ing. Heiko Briesen, Technical University of Munich (TUM), Freising, DE

9.30 am  Simulation assisted development strategies for future food value chains
Dr. Matthias Reinelt, Fraunhofer IVV, Freising, DE

10.00 am  Coffee break

10.30 am  Optimized maybe not optimal – Some insights in the mathematics of optimization
Prof. Dr. Alexander Martin, Friedrich-Alexander-Universität (FAU) Erlangen-Nürnberg / Fraunhofer IIS Erlangen, DE

11.00 am  Science Desk: Indexing experimental data
Dr. Carlos Viol Barbosa, Science Desk GmbH, Freital, DE

11.30 am  Automatic and interpretable machine learning
Prof. Dr. Bernd Bischl, Department for Statistics, Ludwig-Maximilians-University Munich, Munich DE

12.00 am  Snacks

1.00 pm  Tour through our labs and facilities