

Program of the XXVth Symposium AVH to be held, on April, 12th 2018

Sugar Crystallization: Optimizing and Process Control

8: 45 – Opening of Symposium

Session I: Sucrose Crystallization: basics and practice

President: **Philippe REISER**, *CEDUS, Paris, France*

9:00 - Review of R & D results on sugar crystallization obtained at the University of Chemical Technology of Prague during the last 25 years, **Z. Bubnik, P. Kadlec, E. Sarka, V. Pour**, *VSCHT, Prague, Czech Republic*

9:25 – Effect of supersaturation on the kinetics and thermodynamics of sucrose crystallization, **Fernando A.N. Rocha**, *University of Porto, Portugal*.

9:45 – Quality of crystals and the practical aspects of sugar crystallization, **M. Mathlouthi**, *Association AVH, Reims, France*

10:05 - Technical and economical comparison of the different crystallization schemes, **Xavier Lamblin**, *Fives Cail, Ronchin, France*

10: 25 – Coffee Break, Posters and Exhibitors

Session II: Transfer of impurities and sucrose crystal growth

President: **Dr. Jan Maarten de BRUIJN**, *Südzucker, Obringheim, Germany*

11:15 –Color inclusion in sugar crystals grown in blended beet and cane syrups, **K. Schlumbach**, *TU Berlin, Germany*

11:35 – Effect of steam bubbling on crystal growth during the industrial crystallization of sugar, **Felix Geisendörfer**, *TU Berlin, Germany*

12:00 - Posters and Exhibitors

13:00 – Lunch

Session III: Control and monitoring of sugar crystallization

President: **Dr. Martin BRUHNS**, *retired, Kleinmachnow, Germany*

15:00 – Optimal plant-wide control at the interface of the evaporation and crystallization stages of a sugar factory, **R. Mazaeda**, *University of Valladolid, Spain*

15:25 – Improved industrial crystallization by automation system, **Jens Mahrholz, Michael König, Andreas Lehnberger**, *BMA, Braunschweig, Germany*

15:50 – Improved image analysis for technical sugar suspensions at SuikerUnie, **R. Daniels**, *Suiker Unie, NL*

16:15 - Development of massecuite microscope for the control of crystal growth and crystal size distribution, **B. Gaillac**, *ITECA, France*

16:40 - Concluding remarks

Simultaneous translation