

Tuesday, 21.05.2019

18:00 – 20:00	Registration
19:00 – 23:00	Opening dinner

Wednesday, 22.05.2019

8:00	Registration
9:00	<p><b>Opening and Plenary Lectures</b> Room: Düsseldorf</p> <p><b>Dr. rer. nat. Hubert Duchaczek</b> CETAS Chairman</p> <p><b>Dr. rer. nat. Hans-Uwe Schmitz</b> Chairman of the conference CETAS 2019</p> <p><b>From a point of view of a user: The significance of chemical analysis in the context of chemical law</b></p> <p><b>Dr. rer. nat. Aaron Gehl</b> Umweltschutz / -technik AG der Dillinger Hüttenwerke</p>
10:30	Opening exhibition and poster presentation - Coffee break

Wednesday, 22.05.2019

	<p>Session 1 Moderators: H.U. SCHMITZ &amp; S. JACQUES-BEYSSSEN</p> <p>Room: Düsseldorf</p>
11:00 A6	<p><b>In-situ measurement of the oxide coverage at steel surfaces during the hot dip galvanization process</b> H. FALK, C. RUDOLF, Kleve, Germany</p>
11:25 A10	<p><b>Continuous transmission reassessment – Stability improvement of Spark-OE</b> M. TILLEMANN, Kalkar, Germany</p>
11:50 A4	<p><b>Applications for laser induced plasma methods in process analytics</b> J. HOFSTADLER, S. ESCHLBÖCK-FUCHS, S. GRÜNBERGER, N. HUBER, A. PISSENBERGER, R. RÖSSLER, J.D. PEDARNIG, Linz, Austria</p>
12:15 A15	<p><b>Lateral resolution in beam-scanning laser-induced breakdown spectrometry by using 1-kHz-class Nd:YAG laser</b> K. WAGATSUMA, Sendai, Japan</p>
12:35 A3	<p><b>Full spectrum capture and partial integration of spark discharges using a spark spectrometer</b> C. VERRIETH, Kleve, Germany</p>
13:00	Lunch
14:00 – 17:00	Plant tour: Kalkwerke Wülfrath
19:00	Conference dinner

Thursday, 23.05.2019			
	Session 2 Moderators: A. PISSEBERGER & A. BENGSTON		Session 3 Moderators: G. EGLSEDER & V. TUSSET
	Room: Düsseldorf		Room: Amsterdam
9:00 A5	<b>Advanced sensors for industrial process control in the steel industry</b> V. TUSSET, G. MOREAS, C. MATHY, G. MONFORT, B. VANDERHEYDEN, Liège, Belgium	9:00 A21	<b>Sorting of waste refractory materials used in steelmaking using laser-induced breakdown spectroscopy</b> J. MOROS PORTOLES, L.M. CABALIN, J. LASERNA, Malaga, Spain
9:25 A18	<b>Ultra-fast analysis of inclusions in steel with a Spark OES spectrometer – General considerations and latest developments</b> J.M. BÖHLEN, K.Z. LI, Ecublens, Switzerland	9:25 A9	<b>Application of LIBS in the recycling and sorting of aluminum scrap</b> P. XU, X.J. SHEN, J. LIU, X.X. SHI, F.P. CUI, Beijing, China
9:50 A16	<b>Development of oxygen determination by PDA-OES through the comparison with combustion analyses and electron microscopy</b> M. ARWEILER, Dillingen, Germany	9:50 A8	<b>From laboratory to robust industrial process analytics – A new level of process insight, process stability and process control with element sensors based on LIBS technology</b> A. SCHLEMMINGER, C. BOHLING, Teltow, Germany
10:15	Coffee break		

Thursday, 23.05.2019			
	Session 4 Moderators: L. DAHERON & R. ERIKSSON		Session 5 Moderators: J. WIEK & J. MOROS PORTOLES
	Room: Düsseldorf		Room: Amsterdam
11:00 A13	<b>Hitachi High-Tech's advanced data management and storage service ExTOPE Connect</b> W. SANDERS, Uedem, Germany	11:00 A1	<b>Sample preparation and analysis of corrosion residues by fusion and wd-xrf</b> D. TÖWE, M.F. GAZULLA, Buchholz, Germany
11:25 A23	<b>Replacing LIMS in the chemical laboratories of Saarstahl AG</b> P. NIEMANN, G. EGLSEDER, M. MAURER, R. MERTERNS, Völklingen, Germany	11:25 A14	<b>On-line analysis of molten slag using laser-induced breakdown spectroscopy</b> J. PETERSSON, A. BENGSTON, Kista, Sweden
11:50 A2	<b>Sample preparation by sodium-peroxide-fusion and dissolution</b> D. TÖWE, M. BEDOYA, Buchholz, Germany	11:50 A12	<b>A compact, fully automatic OES laboratory - Hitachi High-Tech introduces "Industry 4.0" to melt shop laboratories</b> W. SANDERS, Uedem, Germany
12:15	Lunch		

Thursday, 23.05.2019			
	Session 6 moderators: A. NITSCH & D. MALMSTRÖM		Session 7
	Room: Düsseldorf		Room: Amsterdam
13:30 A24	<b>Alternative analysis and alloying strategies in heavy plate steel production as a result of alloying agents price trends</b> H. LACHMUND, H.U. SCHMITZ, Dillingen, Germany	13:30	N. N.
13:55 A22	<b>Accreditation and quality assurance DIN EN ISO 17025- 2018 key changes – new challenges</b> R. MERTENS, G. EGLSEDER, Völklingen, Germany	13:55	N. N.
14:20	N. N.	14:20	N. N.
14:45	Coffee break		

Thursday, 23.05.2019	
	Session 8 Moderators: R. MERTENS & H. DUCHACZEK
	Room: Düsseldorf
15:30 A11	<b>Multi-scale quantitative characterization of laser additive manufactured graded stainless steel</b> D.L. LI, L. ZHAO, X.J. SHEN, X.J. LI, H.Z. WANG, Beijing, China
15:55 A20	<b>Measuring metal coating thickness at line using the thermo scientific Niton XL5</b> P. CARIA, Munich, Germany
16:20 A7	<b>High performing CCD GD-OES spectrometer – opportunities and challenges for selection of analytical lines</b> D. MALMSTRÖM, A. BENGSTON, Kista, Sweden
16:45	<b>End of meeting Closing session</b>  <b>Dr. rer. nat. Hans-Uwe Schmitz</b> Chairman of the conference CETAS 2019  <b>Dr. rer. nat. Hubert Duchaczek</b> CETAS Chairman