

Tuesday, November 29

9:15	Opening and welcome address	Carina Hendricks
9:30	Troubleshooting – failure and damage analysis of an 8-stage refinery pump	Markus Mosshammer, Helmut Benigni (Institute of Hydraulic Fluidmachinery (HFM), TU Graz)
10:00	Further investigation of the energy efficiency of compression packings in rotodynamic pumps	Henri Azibert (FSA), David Edwin-Scott (ESA)
10:30 Coffee & Networking Break/EXPO		
11:00	Workshop 1 Topic: Optimization of pump systems Panelists: <ul style="list-style-type: none"> - Christopher Lynch (Code Product Solutions): Combining CFD, FEA and scripting for efficient oil vane pump integrity assessment - Jan Wolf (tesyo technologies GmbH): Technical Operations Research (TOR) - Andrey Rudenko, Igor Tverdokhle, Elena Knyazeva (HMS Group): Methods of efficient operation of double suction volute pumps in wide range of flow rates 	
12:30 Lunch & Networking Break/EXPO		
14:00	Paper Session 1	
14:00	Ricardo O. Sousa (FEUP), Pedro Lacerda (FERESPE), Paulo J. Ferreira (Materials Science and Engineering Program, University of Texas), Augusto M. Deus (CeFEMA)	Modelling the development of residual stresses in super duplex stainless steel castings
14:25	Jörg Paetzold (Schroeder Valves)	New generation of automatic recirculation check valves (ARC)
14:50	Lars Kahlmann (SKF)	State-of-the-art materials for rolling bearings used in pumps
15:15 Coffee & Networking Break/EXPO		
15:30	Workshop 2 Topic: Optimization of pumps Panelists: <ul style="list-style-type: none"> - Frank Bungartz (Paul Bungartz GmbH & Co. KG): Reduce costs, increase availability – the added value of special centrifugal pumps - Frank Holz (Klaus Union GmbH & Co. KG): Dry running capabilities of mag drive pumps - Yuri Zhuk (Hardide Coatings Ltd): Nanostructured CVD coating protects pumps for oil and gas and petrochemical plants from wear, erosion and H₂S corrosion 	

Wednesday, November 30

9:15	Rüdiger Proff (Prüftechnik Condition Monitoring GmbH)	Prüftechnik Condition Monitoring using the example of Berliner Wasserbetriebe
9:45	Rinaldo Brivio (Sandvik Material Technology)	High machinability of stainless steel and hollow bars to improve productivity

10:15 Lunch & Networking Break/EXPO

10:45	Workshop 3 Topic: Approaches to fight problems in pump systems Panelists: <ul style="list-style-type: none"> - Heiko Baum (FLUIDON Gesellschaft für Fluidtechnik mbH): Analysis of problems with pressure oscillations in pipe systems with variable-speed pumps - Andreas Dudlik, Carsten Ricken (Hydraulische Systeme): Water hammer in pipe systems – analysis, causes and interactions with pumps and valves - Lars Meisenbach (BestSens AG): Axial thrust monitoring of centrifugal pumps during operation 	
-------	--	--

12:15 Lunch & Networking Break/EXPO

13:45	Paper Session 2	
13:45	Michael Krüger (C. Otto Gehrckens GmbH & Co. KG)	Guidelines on the perfect material selection for elastomer seals
14:10	Christoph Monka (R+W Antriebselemente GmbH)	The coupling – more than a necessary evil in the pump process
14:35	Christian Ellwein (KRIWAN Industrie-Elektronik GmbH)	Reliable and easy pump protection

15:00 Coffee & Networking Break/EXPO

15:30	Workshop 4 Topic: (Pump) Industry 4.0 Panelists: <ul style="list-style-type: none"> - Kai-Uwe Bellstedt (D4 Software AG): Details of the implementation of the ERP solution 	
-------	--	--