



SESSION 3: Leakage and Emission		
Chairman: Dr Sally Beken, Innovate, UK		
13:25	Key Note Address: Aircraft Cabin Air Contamination and Oil Seals <i>S Michaelis, GCAQE, UK</i>	
13:55	Predicting Leakage in Packed Stuffing Boxes <i>H Bouzid, M Kazeminia, École de technologie supérieure, Canada</i>	45
14:25	Investigations Into the Reverse Pumping Effect of Radial Lip Seals Under Various Operating Conditions <i>V Pelzer, G Poll, Leibniz Universität, Germany</i>	
14:55 – 15:00 Exhibitors presentation – European Seal Association		
15:00 – 15:05 Exhibitors presentation – BHR Group		
15:05-15:35 Refreshments with exhibitors		
SESSION 4: Reciprocating Seals		
Chairman: Mr Mark Fairhurst, BHR Group, UK		
15:35	Predicting leakage and Friction of Hydraulic Rod Sealing Systems by Three-Dimensional Surface Parameters <i>M Stoll, L Hörl, W Haas, Universität Stuttgart, Germany</i>	85
16:05	Friction Behaviour of Surface Textured Elastomeric Seals in Pneumatic Actuators <i>M Zimmermann, M Wangenheim, Leibniz Universität, Germany</i>	97
16:35	Evaluation of Dynamic Contact Between Rubber and Metal Surfaces by Electric Resistance Method <i>Y Sakai, N Hosonuma, H Mizuta, N Suzuki, NOK Corporation, Japan</i>	111
Conference Dinner The conference dinner will be held in house at the Hilton Manchester Airport, where we will enjoy a three course meal. Arrival drinks will be served in the JFK suite (exhibition room) at 18:00		

Thursday 3rd March 2016

SESSION 5: Mechanical Seals Part Two		
Chairman: Dr Emily Ho, Consultant, UK		
09:30	Sealing Solution for Pumps Operating With the Seawater Loaded With Silica Particles <i>A P Nyemeck, T Ledauphin, M Adjemout, Latty International, France</i>	73
10:00	A Preview of API 692 Dry Gas Sealing Systems for Axial, Centrifugal, Rotary Screw Compressors and Expanders <i>C Carmody, AESSEALS, UK</i>	
10:15	Surface Engineering and Advanced Coatings – Routes to Funding <i>S Beken, KTN, UK</i>	
10:30-10:35 Exhibitors Presentation – Tropel Metrology Instruments		
10:35-11:05 Refreshments with exhibitors		

SESSION 6: Static Seals**Chairman: Mr. David Edwin-Scott, European Sealing Association, UK**

11:05	Effect of High Temperature on Structural Behaviour of Metal-to-metal seal in a Pressure Relief Valve	121
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11:35	<i>A Anwar, Y Gorash, W Dempster, R Hamilton, D Nash, University of Strathclyde, UK</i>	
11:35	Novel Semi Metallic Gasket: Further Developments and Applications	133
–	<i>S Bond, The Flexitallic Group; USA; J Jamalyaria, Y LI, Flexitallic LP, USA</i>	
12:05		
12:05	New Ideas in Gasket Testing and Flange Calculation	
–	<i>M Schaaf, Amtec Messtechnischer Service GmbH, Germany</i>	
12:35		

12:35-13:35 Lunch**SESSION 7: Surface effects Part Two****Chairman: Mr Noël Brunetière, Poitiers University, France**

13:35	Effect of Corrosion on Abrasive Wear in a Range of Materials	171
–	<i>L Giourntas, F Brownlie, G Karafyllias, T Hodgkiess, A M Galloway, University of Strathclyde, UK</i>	
14:05		
14:05	Improvements in Mechanical Seal Surface Characterization and Measurement	183
–	<i>A Bean, Corning Specialty Materials, USA</i>	
14:35		

14:35 – 15:05 Refreshments with exhibitors**SESSION 8: Elastomer in Extreme Conditions****Chairman: Mr Robert Flitney, Sealing Technology, UK**

15:05	Key Note Address: Development of a Procedure to Accurately Measure The Low Temperature Operating Limits of Elastomeric Seals	5
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15:35	<i>A Douglas, O Devlen, M Mitchell, D Edwin-Scott, European Sealing Association, UK</i>	
15:35	Analysing Failure within Elastomeric Seals during Installation	17
–	<i>R J Windslow, A G Thomas, J J C Busfield, Queen Mary University of London, UK</i>	
16:05		
16:05	A Comparative Study of Simulated and Experimental Results for an Extruding Elastomeric Component	31
–	<i>S Connolly, Y Gorash, A Bickley, University of Stratclyde, UK</i>	
16:35		
16:35	Conference Close	