9th World Congress in Industrial Process Tomography
Bath UK, September 2-6 2018

EXCELLENT PAPER AWARDS

WC-IPT-9 papers in general were of a high standard. The papers listed below were selected as Excellent Papers by a Review Group from our Scientific Consultative Panel. We congratulate the authors for their exceptional papers, selected for:-

- A novel concept whose need and potential impact is clearly described in some detail.
- An excellent scientific review of the proposed concept with relevant and clear results.
- Carefully selected references used effectively to progress novel steps forward.
- A high standard of general presentation and communication.

All WC-IPT-9 papers are accessible from the **Congress Proceedings** provided to delegates (publically accessible from April 2019 via the website **Publications** link).

The selected Excellent Award papers listed below have been included as research examples accessible from the website **Research** link.

Paper theme A1, pp51-60
Development of Tomography Techniques Using a Compact Fast Neutron Generator
Robert Adams (ETH Zürich, Switzerland), B. P. Soubelet, H. Kromer, R. Zboray, H. M. Prasser, V. Petrov, A. Manera

Paper theme A3, pp179-185
4D Scanning for Planar Array ECT
Carl Chittenden (University of Bath, UK), M Soleimani.

Paper theme A3, pp135-142
Long Short-Term Memory Neural Networks for Flow Regime Identification using ECT
Rafael Johansen (University of South-Eastern Norway, Norway), Torbjørn Grande Østby, Antoine Dupré, Saba Mylvaganam

Paper theme B1, pp365-372
Improving Concealed Metallic Object Characterization using Polarizability Tensors
Paul Ledger (College of Engineering, Swansea University, UK), W.R.B. Lionheart, A.A.S. Amadi.

Paper theme A3, pp143-154
Electrical Resistance Rheometry – The Application of Multi-scale Tomography Sensors to Provide in-pipe Rheology in Complex Processes
Thomas Machin (University of Birmingham, and Industrial Tomography Systems, UK) K. Wei, R.W. Greenwood, M.J.H Simmons.

Paper theme B4, pp615-625
Improved Backscatter Correction Model for High Attenuation Gamma-ray Tomography Measurements
Ryan Spelay (Saskatchewan Research Council, Canada), S.A. Hashemi, R.S. Sanders, B.T. Hjertaker.