Monday 15th June

16.30-18.00  Pre-registration
Informal cheese and wine reception

Tuesday 16th June

08.00  Registration desk opens

09.00  Opening Remarks
B.A. Wills (MEI, UK)

09.20  Technical Session 1
Chairman: N. Miles (University of Nottingham, UK)

09.20  Keynote Address: Physical separation: still much more to achieve through innovation
K.P. Galvin (University of Newcastle, Australia)

10.00  Fluid dynamics based modeling of the Falcon concentrator for ultrafine particle beneficiation
J.-S. Kroll-Rabotin, F. Bourgeois and É. Climent (University of Toulouse, France)

10.20  Optimizing recovery in a Knelson Concentrator
E. Crespo (Beralt Tin and Wolfram, Portugal)

10.40  Coffee

11.20  Technical Session 2
Chairman: A. Häkkinen (Lappeenranta University of Technology, Finland)

11.20  The utilization of physical methods to reduce fine coal losses
A. Erdem et al (General Directorate of Mineral Research and Exploration, Turkey), B. Oteyaka (Dumlupınar University, Turkey) and S. Koca (Osmangazi University, Turkey)

11.40  Storage of radioactive waste in porous glass using gravity separation
J.H.P. Watson (University of Southampton, UK)

12.00  Numerical simulation of the InLine Pressure Jig unit in coal preparation
K. Dong et al (University of New South Wales, Australia), A. Vince (Elsa Consulting Group, Australia) and T. Hughes (Gekko Systems, Australia)

12.20  Optimization of grinding circuit in a phosphate plant by adding a spiral classifier
S.Z. Shafaei, M. Karamoozian (Sharood University of Technology, Iran), M. Soltani (IMPASCO, Iran) and G. Jozanikohan (University of Tehran, Iran)

12.40  Lunch

14.00  Technical Session 3
Chairman: K.P. Galvin (University of Newcastle, Australia)

14.00  The development of underground gravity gold processing plants
S. Dominy (Snowden Mining Industry Consultants, UK), T. Bell, N. Grigg and S. Grey (Gekko Systems, Australia)

14.20  Development of testing procedure for ceramic disc filters
M. Savolainen, A. Häkkinen, J. Kallas (Lappeenranta University of Technology, Finland) and B. Ekberg (Larox Corp., Finland)

14.40  The utilization of unsaleable lignite fines at Eskisehir Koyunagili region lignite deposits
D. Oz, S. Koca (Osmangazi University, Turkey) and H. Koca (Anadolu University, Turkey)
15.00  **Optimising iron removal at the Çaldağ Nickel Laterite plant**  
C. Beasley, K. Lee, L. Macnamara (FLSmidth Minerals, UK), S. Purkiss and A. Oxley (European Nickel, UK)

15.20  **Evaluation of M-Curve validity on feed blending at the Zarand coal washery plant**  
H.R. Habetinejad, E. Jorjani (Islamic Azad University, Iran) and A. Sam (Shahid Bahonar University, Iran)

15.40  Coffee

17.00  Guided Coastal Path Walk (optional). Pendennis Headland, 16th Century Pendennis Castle, Falmouth Docks, Fal Estuary and Falmouth Town
Wednesday 17th June

09.00 Technical Session 4
Chairman: A. Yu (University of New South Wales, Australia)

09.00 Concentrating diamonds using magnetic density separation
G. Meghini, A. Bonoli (University of Bologna, Italy), V. Ross (Lonmin Platinum, South Africa), E.J. Bakker and P.C. Rem (Delft University of Technology, the Netherlands)

09.20 Coarse mineral separation using dielectrophoresis
G.R. Ballantyne (JKMRC Pty Ltd, Australia)

09.40 Sensor sorting systems and magnetic separation - an ideal combination of definitive and new sorting criteria
U. Kohaupt (Steinert Elektromagnetbau GmbH, Germany)

10.00 Calcination of low-grade laterite for recovering Ni by magnetic separation
J. Kim, G. Dodbiba, T. Fujita (University of Tokyo, Japan) and H. Tanno (Eriez Magnetics, Japan)

10.20 Modelling of automated sorter performance using particle proximity information derived from Monte Carlo simulation
R.D. Pascoe and O. Udoudo (Camborne School of Mines, UK)

10.40 Flow conditions in the air core of the hydrocyclone
M.A. Hararah (Al-Hussein Bin Talal University, Jordan), E. Endres, J. Dueck and T. Neesse (Friedrich-Alexander-University, Germany)

11.00 Coffee

11.30 Technical Session 5
Chairman: G. Dodbiba (University of Tokyo, Japan)

11.30 Evolution in dry-separation for environmentally friendly mining AKA – FLOW
W. Rubarth, M. Steinberg (AKW Apparate + Verfahren GmbH, Germany), H. Wotruba and D. Weitkämper (RWTH Aachen, Germany)

11.50 Simulation of the water injection in the hydrocyclone
J. Dueck, M. Farghaly, T. Neesse (Friedrich-Alexander University, Germany), E. Pikushchak and L. Minkov (Tomsk State University, Russia)

12.10 Controlled wash water injection to the hydrocyclone underflow
M. Farghaly T. Neesse (University Erlangen-Nuremberg, Germany), V. Golyk (AKW - Equipment and Process Design GmbH, Germany), G.A. Ibrahim and M.M. Ahmed (Assiut University, Egypt)

12.30 Modelling hydrocyclone performance for grit removal from wastewater treatment activated sludge plants
M. Mansour-Geoffrion, Y. Comeau (Ecole Polytechnique of Montreal, Canada), D. Lamarre, A. Gadbois (John Meunier Inc., Canada) and P. Dold (EnviroSim Associates, Canada)

12.50 CFD-DEM study of the multiphase flow in a dense medium cyclone: the effect of particle density
K.W. Chu, B. Wang, A.B. Yu (University of New South Wales, Australia) and A. Vince (Elsa Consulting Group, Australia)

13.10 Lunch

14.30 Tour of the historic Camborne-Redruth Copper and Tin Mining District