AMIRA P9Q delivers the first implementation of six process model in the first Sponsor Review Meeting

The first Sponsor' Review Meeting (SRM) of AMIRA International's *P9Q-Modelling and Simulation Project* was held on 22-23 of August 2017 in Brisbane at The University of Queensland's Sustainable Minerals Institute (SMI). Representatives from all 11 sponsors were present at this important meeting. The project is being sponsored by: Anglo American, Anglo Gold Ashanti, Barrick, Newmont, South32, Vale, BGRIMM, JKTech, Magotteaux, Metso, and Weir Minerals.

The project started on 8th of February 2017. At this first SRM, researchers from The University of Queensland, Chalmers University, Hacettepe University, University of Cape Town and Federal University of Rio de Janeiro in collaboration with IES development team from CRCORE delivered models for SAG mill, Cone Crusher, Dry coarse screen, HPGR, Hydrocyclone and Jig which are implemented in the IES platform for P9Q. The IES development team and in particular Mr. Robert Watkins, Mr. Greg Shapland have made a significant effort in implementation of process models in IES.

On the first day of SRM, technical aspects of each process model including the capabilities and limitations of each model have been reviewed. On the second day of SRM, Features of the IES was presented by the development team from CRCORE and participants learned to use the IES through creating few test simulation in practice. In addition, practical training using examples was delivered by researchers on the application of each process model. Participants used each of the process models in IES to create their own simulation and use process models in practice.

It is planned to add a simple help document and video instruction for using each process model in the IES environment for each of the AMIRA P9Q process models.

On the next SRM in South Africa on February 2018, the first implementation of four new process models including Dense medium cyclone model, Mechanistic mill model, Weir Minerals Specific HPGR and Cyclone models and second implementation of four existing process models including HPGR, Dry screen, Jig model, and SAG VR2 model is planned for delivery.

P9Q is the latest in a long line of P9 projects focused on translating the previous P9 research projects to industry process improvement tools. Dr Mohsen Yahyaei, the program leader of Advanced Process Prediction and Control (APPCo) Program from SMI-JKMRC is leading the project. Mr Terry Braden is the lead AMIRA International Program Manager responsible for the project. Mr Nick Beaton is the CRCORE project leader responsible for coordinating IES development and implementation of models in IES P9Q platform.

For more details about the AMIRA P9Q project please contact Dr. Mohsen Yahyaei on m.yahyaei@uq.edu.au and for any enquiries regarding the project sponsorship please contact Mr. Terry Braden on terry.braden@amirainternational.com.