

Time	Tuesday 08-12-2020	Day - 01
0730-0830	Arrival & Registration	
0830-0845	Professor Frederick Cawood (Opening Notes, Welcome)	15 min. Presentation
0845-0930	Keynote Address: Mr. Neal Froneman (Executive Director and CEO of Sibanye-Stillwater)	45 min. Presentation
0930-1015	Professor Frederick Cawood: Director WMI (Mining in The Twenty-First Century and Its Future of Work: Considerations for Universities Offering Mining Qualifications)	45 min. Presentation
1015-1045	M Ahsan Mahboob: Head of DigiMine (DigiMine Seminar Program and Course Requirements)	30 min. Presentation
1045-1115	TEA/COFFEE BREAK	30 min. Break
1115-1145	Sarmad Javaid (Towards a technology framework for evaluating and optimizing the metal flow process for copper production)	20 min. Presentation
		10 min. Questions
1145-1215	Peter Kolapo (Towards a short-range laboratory for testing the accuracy of Terrestrial 3D Laser Scanning Technologies (TLS))	20 min. Presentation
		10 min. Questions
1215-1245	Xiang Fan (A systems approach to reducing variability in decision-making process by addressing the complexity associated with the adoption of disruptive digital technology in a modern hard-rock mining environment)	20 min. Presentation
		10 min. Questions
1245-1345	LUNCH BREAK	60 min. Break
1345-1415	M Ahsan Mahboob: Head of DigiMine (Digital Systems for 21st Century Mining)	30 min. Presentation
1415-1530	Control room discussion, DigiMine visit with Partner Demonstrations. Themes: Underground Wireless Communication Systems; Underground Surveying; Mapping and Navigation; Sensing Health; Safety and Security Risks; System Integration for Smart Mining	75 min. Activity

Time	Wednesday 09-12-2020	Day - 02
0730-0800	Arrival & Registration	
0800-0815	Professor Frederick Cawood (Opening Notes, Welcome)	15 min. Presentation
0815-0900	Keynote Address: Professor Ian Jandrell (Dean - Faculty of Engineering and the Built Environment, Wits University)	45 min. Presentation
0900-0945	Peter Moss Partner Presentation - 01: Reactore	35 min. Presentation
		10 min. Questions
0945-1030	Patrick Wilson Partner Presentation - 02: YoungBlood	35 min. Presentation
		10 min. Questions
1030-1045	TEA/COFFEE BREAK	15 min. Break
1045-1130	David Nyunga Partner Presentation - 03: NCM(Epiroc)	35 min. Presentation
		10 min. Questions
1130-1215	Christo Engelbrecht Partner Presentation - 04: Digger	35 min. Presentation
		10 min. Questions
1215-1315	LUNCH BREAK	60 min. Break
1315-1400	Rob McAlister Partner Presentation - 05: Leica	35 min. Presentation
		10 min. Questions
1400-1445	Mike Jackson Partner Presentation - 06: Ramjack	35 min. Presentation
		10 min. Questions
1445-1530	Vinesh Naidoo Partner Presentation - 07: DetNet	35 min. Presentation
		10 min. Questions



Time	Thursday 10-12-2020	Day - 03
0730-0800	Arrival & Registration	
0800-0815	Professor Frederick Cawood (Opening Notes, Welcome)	15 min. Presentation
0815-0845	Keynote Address: Alex Fenn (Manager - New Technology and Innovation, Sibanye-Stillwater)	30 min. Presentation
0845-0930	M Ahsan Mahboob: Head of DigiMine (DigiMine Fast-Tracking Projects Overview)	35 min. Presentation
		10 min. Questions
0930-1000	Dr. Iqra Atif (GIS for 21st Century Mining and System Integrations)	30 min. Presentation
1000-1030	TEA/COFFEE BREAK	30 min. Break
1030-1230	Group Participation (Opportunities and Challenges for Systems Integrations in 21st century Mining)	120 min. Activity
1230-1330	LUNCH BREAK	60 min. Break
1330-1500	Group Presentations and Discussion (Group Topic)	90 min. Presentation
1500-1530	REFRESHMENTS & NETWORKING	30 min. Activity