Geotechnical data analysis to select a method for development of a long length, large diameter vertical shaft
J. Walls, JeWal, South Africa

Suitability of using TBMs to construct relatively short tunnels
K. Bäppler, Herrenknecht Germany, Germany

The latest developments in Blind Shaft Boring
B. Künstle, Herrenknecht, Germany, Germany

Strategic and tactical machinery operational control imperatives, within the South African context, to succeed in mechanized underground rapid access mining
T.E. Wakefield, Murray & Roberts Cementation (Pty) Ltd, South Africa

Unique challenges and solutions - The sinking and equipping of Hecla Lucky Friday No. 4 Shaft Winz
M.T. Swanson, Cementation USA Inc., USA

Maintaining worker health and safety in high-temperature underground mines
M.T. Swanson, Cementation, USA

Opportunities and challenges for mechanized excavation: Experiences from large infrastructure projects
J. Classen, Implenia Construction GmbH, Germany

Design and construction of the bored, Two Pass Niagara Water Diversion Tunnel
R. Delmar, Hatch Ltd., South Africa

Modern mining in the immediate future
M. Mcnab, Worley Parsons, South Africa

Geotechnical block modelling
K. Balt, Advisian, South Africa

Deformation comparison of NATM and Umbrella arch method in a shallow and large tunnel
I. Ocaka and E. Selcukb, Independent researcher, Yuksel Project Consultancy, Turkey

Excessive deformations induced by twin EPBM excavations in soft and shallow grounds: the case of Otogar-Kirazli metro (Istanbul)
I. Ocaka, Independent researcher, Turkey

Safe and rapid development with oil-free, water-hydraulic technology
P. Fraser, Hydro Power Equipment (Pty) Ltd

Sandvik next generation development drill meets future challenges
S. Pule, Sandvik

Construction of 2 Nickel Mines incl. Sinking, Lining and Commissioning of 2,050m deep Production- and Service-Shafts North of Polar Circle, RF
O. Kaledin, Thyssen Schachtbau GmbH

Rapid underground mine and civil access conference 2017
D.E.K. Mulville, Advisian

Ground closure monitoring systems on trial at deep to ultra-deep mechanized gold mine
F. Sengani, K.L.E. Mogotlane, and T. Zvarivadza, South Deep Gold mine, University of the Witwatersrand

Excavating and supporting access ways through the Kalahari red clay of the Budin formation Kalahari manganese field R.S.A
N. Harte, METSZA

Mechanisation, Control and the internet of things
G. Skinner, Sandvik

*Abstracts listed have been received to date. The Final Programme will indicate accepted abstracts and papers*