Your invitation to the 10 year anniversary of the largest mining and quarrying conference and expo for the Middle East, Africa, Central Asia and South Asia

2-3 October 2017

Dubai International Convention & Exhibition Centre, UAE
CONFIRMED SPEAKERS FOR 2017

1. H.E. Suhail Al Mazrouei, Minister, Ministry of Energy, UAE
2. H.E. Mohamed Al Sudani, Minister, Ministry of Industry & Minerals, Iraq
3. H.E. Cesar Abou Khalil, Minister, Ministry of Energy & Water, Lebanon
4. H.E. Osheik Mohamed Taher, Deputy Minister, Ministry of Minerals, Sudan
5. H.E. Hilary Youssif, Undersecretary, Ministry of Petroleum & Natural Resources, Egypt
6. H.E. Wissam bin Mohammed Al Busaidi, CEO, Public Authority for Mining, Oman
7. H.E. Wissam Chbat, Chairman of the Board, Lebanese Petroleum Administration, Lebanon
10. Tom Brady, Chief Economist, Newmont Mining Corporation, USA
11. Alfredo Lamego Duarte, Global Senior Category Manager – Energy, Anglo American, Brazil
12. Mohammad Qayoumi, Chief Advisor to the President – Infrastructure, Human Capital & Technology, Ministry of Mines & Petroleum, Afghanistan
13. Fabio Scacciavillani, Chief Economist & Member of the Investment Committee, Oman Investment Fund (OIF)
15. Savas Sahin, CEO, Al Masane Al Kobra Mining Co, Saudi Arabia
16. Markku Teräsvasara, President & CEO, Outotec, Finland
17. Justin Richard, CEO, Alara Resources, Oman
18. Dr Salim Al Busaidi, CEO, Maadin Enterprises, Oman
19. Nasr Elhussein, GM, Ariab Mining Company, Sudan
20. Tim Williams, CEO, Andiamo Exploration, Eritrea
21. Reyno Scheepers, CEO, Handeni Gold, Tanzania
22. David Archer, MD, Savannah Resources, Oman
25. Wondimu Yohannes, MD, Nubian Gold Exploration, Ethiopia
26. Jon Starink, Chairman, Oryx Mine Investment, UK
27. Ali Alamri, CEO, Saudi Manajem for Mining, Saudi Arabia
28. Jamal Matalka, CEO, Saudi Specialty Chemical Industries, Saudi Arabia
29. Sisca Husodo, SVP, Anzawara Coal, Indonesia
30. Jorge Monroy, MD, Emerging Markets Capital, Hong Kong
31. Alejandro Caicedo, GM, Orica/Emirates Explosives, UAE
32. Saffa Foud, DG, Iraqi Geological Survey, Iraq
33. Pambos Simonos, Executive Director, Arabia Global Resources, Oman
34. Umit Sumer, GM, Bifer Mining, Turkey
36. Neeraj Agarwal, GM, Deepak Fertilisers & Petrochemicals Corporation Ltd, India
37. Raed Seddiq, GM, Ittefaq Steel Products Company, Saudi Arabia
38. Biswajit Dasgupta, Chief Investment Officer, Emirates Investment Bank, UAE
39. Mallikarjuna Rao Kommana, Head - Coal Mining Operations, Dangote Industries, Nigeria
40. Toure Abdou, Chief Geologist, B2Gold, Mali
41. Mabrouk Beazaz, Director, Chamber of Commerce & Industry, Algeria
42. Sake van der Wal, Consul Economic – Department of Trade & Industry, South African Consulate General, UAE
43. Henry Antwi, Head of Mining & Metals, Oman Oil Company S.A.O.C., Oman
44. Yusuf Tuncel, Mining Director, Acacia Mining Operations, Turkey
45. Piyush Bharadwaj, Head of Projects & Operations, GS Cimentos, Mozambique
46. Khuwailid Al Hinai, HSE & Security Manager, Gulf Mining Group, Oman
47. Rajiv Garg, Principal Advisor, Coal India Ltd., India
48. Seife Berhe, Director, Andiamo Exploration, Eritrea
49. Michael Forrest, Exploration Director, Nubian Gold Exploration, Ethiopia
50. Moussa Keita, Chief Geologist, Endeavour Mining, Mali
51. Adham ElMahdy, Country Health & Safety Director, LafargeHolcim, Egypt
52. Christian Drewes, Technical Manager, Quarry Mining LLC, UAE
53. Baba Sidiye, Mining Engineer - Metals SBU Business Strategy, SABIC, Saudi Arabia
54. Mohamed Saleh, Mining Section Head, Najran Cement, Saudi Arabia
55. Karolus Santosa, Strategy & Project Specialist, Kaltim Prima Coal, Indonesia
56. Muhammad Yusaf, Senior Manager - Mining, Minerals Exploration & Development Organization (MEDO), Pakistan
57. Badara Diallo, Geology Manager, MGM, Mali
58. Afzaal Asghar, Manager – Quarries & Projects, Saudi Marmo (Mining House Company), Al Ayuni Group, Saudi Arabia
59. Khalid Al Hosani, Director of Geology & Mineral Resources Department, Ministry of Energy, UAE
60. Ali Al Sharief, Director of Mineral Resources Administration, Fujairah Natural Resources Corporation, UAE
61. David Oberhuber, Programme Director – Trade & Investment Facilitation, German Society for International Cooperation (GIZ), Tajikistan
63. Yousef Tayseer, Mining Advisor, Ministry of Energy, UAE
64. Rafael Abela, Director – Business Development, DRA, Saudi Arabia
65. Ahmed Hussein, Maintenance Coordinator, Lafarge Emirates Cement, UAE
66. Belisti Kebie, Mineral Economist, Ministry of Mining, Ethiopia
67. Gholamhossein Ghorbankarimi, Mineral Processing Expert, Geological Survey of Iran, Iran
69. Darren Loftas, Senior Consultant, Hawcroft Consulting International, UK
70. Bassem Nassouhy, Environmental Advisor, Fujairah Natural Resources Corporation, UAE
71. Hithame Al Khodry, Health & Safety Engineer, Fujairah Natural Resources Corporation, UAE
72. Willem Middelkoop, Co-founder, Commodity Discovery Fund, Netherlands
73. Senior Executive, Pix Processing, Lithuania
74. Senior Executive, Haver Middle East, UAE
75. Senior Executive, International Mining Services, UAE
76. Senior Executive, SNC Lavalin, UAE

CHAIRS & CONTRIBUTORS

77. Julian Smallshaw, Head of Education Development, Institute of Quarrying, UK
78. Wendy Treasure, Founder & Director, EVE Enterprises, Australia
79. Antony Benham, COO, International Geoscience Services, UK
80. Adel Draz, MD, Cement Egypt & Egyptian Chamber of Building Materials, Egypt
Main conference agenda day one – 2nd October 2017

ENERGISING THE FUTURE

08.45 Organisers welcome David Beguely, Managing Director, Terrapinn Middle East

08.50 Official welcome address H.E. Suhail Al Mazrouei, Minister, Ministry of Energy, UAE

09.00 Ministerial address Reserved for Deputy Ministry for Mines & Mineral Resources, Saudi Arabia

09.10 Ministerial address Confirmed H.E. Mohamed Al Sudani, Minister, Ministry of Industry & Minerals, Iraq

09.20 Ministerial address Confirmed H.E. Cesar Abou Khalil, Minister, Ministry of Energy & Water, Lebanon

09.30 Ministerial address Confirmed H.E. Hilal bin Mohammed Al Busaidi, CEO, Public Authority for Mining, Oman

09.40 Keynote Defying the great big bear and navigating exceptional territory
- The world of mine investment strategy, economics and their impacts in 2017 and beyond: booms, busts, blow-overs and saying “bye-bye!” to normality
- The ingenious investor: how to make uncertainty useful
- Bulls vs bears: have we bottomed out?

Tom Brady, Chief Economist, Newmont Mining Corporation, USA

10.00 Keynote Energy priorities, power challenges and the potential of renewables in mining
- Reducing operational energy costs: exploring power and energy options
- Implementing integrated resource planning: sparking the culture and mindset of efficiency and sustainability
- Defining your energy strategy and why alternatives should be part of the mix

Alfredo Lamego Duarte, Global Senior Category Manager – Energy, Anglo American, Brazil

10.20 Keynote Responsible leadership in the sustainable use of the earth’s natural resources
- Leading exponential innovation with resource efficient technologies and life-cycle solutions
- Reinforcing the vision of a sustainable world: leadership in creating a positive footprint
- The OEM’s role in automating sustainability and energising the future

Markku Teräsvasara, President & CEO, Outotec, Finland

10.40 Speed networking

11.00 Morning tea

11.20 Streams begin: attendees can visit any of the conferences below
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<td>11.20</td>
<td>Panel Strategic production in a world of shocks and shifts</td>
<td>Savas Sahin, CEO, Al Masane Al Kobra Mining Co, Saudi Arabia; Wondimu Yohannes, MD, Nubian Gold Exploration, Ethiopia; David Archer, MD, Savannah Resources, Oman; Sisca Husodo, SVP, Anzawara Coal, Indonesia; Jorge Monroy, MD, Emerging Markets Capital, Hong Kong</td>
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<td>Getting long-term operational excellence right</td>
<td>Casper Dzomeku, GM – Ad Duwayhi Operation, Ma'aden Gold &amp; Base Metals Company, Saudi Arabia</td>
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<td>11.40</td>
<td>Ministerial address Mining investment and development in Jordan</td>
<td>Ghussaina Al Hilu, Director of Petroleum &amp; Oil Shale, Ministry of Energy &amp; Mineral Resources, Jordan</td>
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<td>11.50</td>
<td>Innovation in rock extraction</td>
<td>Afzaal Asghar, Manager – Quarries &amp; Projects, Saudi Marmo (Mining House Company), Al Ayuni Group, Saudi Arabia</td>
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<td>Quarry managers open Q&amp;A</td>
<td>Pambos Simonos, Executive Director, Arabia Global Resources, Oman; Piyush Bharadwaj, Head of Projects &amp; Operations, GS Cimentos, Mozambique; Mohamed Saleh, Mining Section Head, Najran Cement, Saudi Arabia</td>
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<td>11.50</td>
<td>Mineral geology of Lebanon</td>
<td>H.E. Wissam Chbat, Chairman of the Board &amp; Head of Geology &amp; Geophysics, Lebanese Petroleum Administration, Lebanon</td>
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<td>12.00</td>
<td>Accelerating the future of underground mass-mining</td>
<td>Reserved for SNC Lavalin</td>
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<td>Overcoming technical challenges and uncertainties with large underground mines</td>
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<td>Cost efficient excavation with mass-mining</td>
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<td>Targeting high-grade ore bodies</td>
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<td>12.00</td>
<td>Mines and minerals in Pakistan</td>
<td>Azhar Khan, Director General – Minerals, Ministry of Petroleum &amp; Natural Resources, Pakistan</td>
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<td>Introducing new mine laws for investment in Pakistan</td>
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<td>Kickstarting mineral booms</td>
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<td>Ensuring availability and security of sustainable resources</td>
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<td>12.10</td>
<td>Investing in emerging and foreign mineral markets</td>
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<td>Pushing the hunt for new discoveries in developing mineral markets</td>
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<td>Adopting the long-term approach</td>
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<td>Sustaining investment in partnerships and skills</td>
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<td>Enquire now to sponsor this session</td>
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<tr>
<td>12.00</td>
<td>Optimisation of drill and blast operations</td>
<td>Alejandro Caicedo, GM, Orica/Emirates Explosives, UAE</td>
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<td>Establishing safe, efficient and cost effective blasting and use of explosives</td>
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<td>Principles of explosive and rock interaction</td>
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<td>Exploring explosive types, blast holes and optimum performance</td>
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12.20 ROUNDTABLES
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<th><strong>INNOVATION ROUNDTABLE DISCUSSIONS</strong></th>
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<td>Baba Sidiye, Mining Engineer - Metals SBU Business Strategy, SABIC, Saudi Arabia</td>
<td>1. Mining industrial special risks</td>
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<td>2. Project update: Alara Resources in Oman</td>
<td>Darren Loftas, Senior Consultant, Hawcroft Consulting International, UK</td>
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<tr>
<td>Justin Richards, CEO, Alara Resources, Oman</td>
<td>2. Future megatrends impacting minerals 2020 and beyond</td>
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<td>3. Mining and investment in Iran</td>
<td>3. Responsible chemical management</td>
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<td>4. Project update: Iraq</td>
<td>5. Rare earth metals and the battery boom</td>
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<td>Ali Alwan, DG, State Company for Mining, Iraq</td>
<td>6. Big data: the difference between being able to know and being able to show</td>
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<tr>
<td>5. Project update: Anzawara Coal in Indonesia</td>
<td>8. Fleet monitoring, protection and management solutions</td>
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<td>Sisca Husodo, SVP, Anzawara Coal, Indonesia</td>
<td>9. Geotechnical solutions for quarries</td>
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<td>6. Project update: Bilfer Mining in Turkey</td>
<td>10. The electric earthmoving site</td>
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<td>Umit Sumer, GM, Bilfer Mining, Turkey</td>
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<td>7. Project update: DFPCL in India</td>
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<td>Neeraj Agarwal, GM, Deepak Fertilisers &amp; Petrochemicals Corporation Ltd, India</td>
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<td>8. Project update: Dangote Industries in Nigeria</td>
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<td>Mallikarjuna Rao Kommana, Head - Coal Mining Operations, Dangote Industries, Nigeria</td>
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<td>9. Project update: GS Cimentos in Mozambique</td>
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<td>Piyush Bharadwaj, Head of Projects &amp; Operations, GS Cimentos, Mozambique</td>
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13.00 Networking lunch
### RISE OF ROBOTS

14.20 **Panel** The mine of the future  
- Envisioning the mine of the future: streamlined, safe and productive 24 hours a day  
- Developing infrastructure required to facilitate autonomous and innovative technology in mining  
- The future of mining is digital: humans vs robots  
- ROI: to invest in technology or to invest in commodities?  

Tom Brady, Chief Economist, **Newmont Mining Corporation, USA**  
Alfredo Lamego Duarte, Global Senior Category Manager – Energy, **Anglo American, Brazil**  
Casper Dzomeku, GM – Ad Duwayhi Operation, **Ma’aden Gold & Base Metals Company, Saudi Arabia**

### EXPLORATION & EVALUATION

14.20 **Ministerial address** Updates on mining industry of Morocco  
- Assessing the roadmap of geological infrastructure development  
- Strategic and operational objectives of Morocco  
- Facilitating cooperation with international markets  

Addi Azza, Advisor to the Minister, **Ministry of Energy, Mines, Water & Environment, Morocco**

14.30 **Restarting a mining operation in KSA**  
- Overcoming challenges of mining in KSA and the GCC  
- Increasing productivity of underground and processing plants  
- Developing new gold projects in KSA  

Savas Sahin, CEO, **Al Masane Al Kobra Mining Co, Saudi Arabia**

14.50 **Qatar case study** Investing for a diversified future  
- Accelerating growth of Qatar’s minerals market  
- Thinking long term and diversifying future revenues  
- Targeting a high growth strategy

### LICENSING, REGULATION & INITIATIVES

14.20 **Ministerial panel** UAE geology and mineral resources: investment laws, regulations and initiatives  
- Capitalising on mineral reserves for a diversified economy  
- Meeting health, safety and environmental regulations: learning and development opportunities  
- Propelling Fujairah and Ras Al Khaimah as leaders in the GCC quarrying market  
- Updates on investment laws, planning and licensing processes in UAE  
- Understanding authorities involved and how to work with them  
- Government initiatives to support UAE mineral development  

Ali Al Sharief, Director of Mineral Resources Administration, **Fujairah Natural Resources Corporation, UAE**  
Khalid Al Hosani, Director of Geology & Mineral Resources Department, **Ministry of Energy, UAE**  
Ministry of Climate Change & Environment, UAE  
Ministry of Economy, UAE  
RAK Investment Authority/Free Trade Zone, UAE

15.00 **Investing in people**  
- Empowering people through great leadership  
- Achieving innovation through investing in your workforce  
- Addressing international standards for people management  

Julian Smallshaw, Head of Education Development, **Institute of Quarrying, UK**
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<th>MINES IN ACTION</th>
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</table>
| 15.00 | Driving digital opportunities in mining  
- Managing limited resources with digital applications  
- Gains in labour productivity and safety  
- Exponential shifts in competitiveness  
- Utilising the power of big data and analytics  
Pix Processing | 15.10 | Mineral property valuation: guaranteeing ROI  
- Evaluating mineral projects: what to consider?  
- The three valuation approaches: cost, market, income  
- Techniques for risk assessment  
*Enquire now to sponsor this session* | 15.10 | Investing in MENA markets  
- The why’s and how’s of investing in minerals and aggregates  
- New market entry: who are the local business partners and how to identify them?  
- Tips for foreign investors looking to enter MENA markets  
*Enquire now to sponsor this session* |
| 15.20 | Junior showcase: Ethiopia  
- Location, data, stocks  
- Why invest?  
*Wondimu Yohannes*, MD, Nubian Gold Exploration, Ethiopia  
*Michael Forrest*, Exploration Director, Nubian Gold Exploration, Ethiopia | 15.20 | Exploration in Saudi Arabia  
- Driving mineral exploration in gold, phosphates, bauxite and gold-copper  
- Mineral business in Saudi Arabia  
- Contract mining vs self-mining  
*Ali Alamri*, CEO, Saudi Manajem for Mining, Saudi Arabia | 15.20 | Quarry development in Duqm, Oman  
- Opening the door for increased mineral exports in Oman  
- Updates on the next superquarry of the region  
- Reviewing the expansion programme for future sustainability  
*Pambos Simonos*, Executive Director, Arabia Global Resources, Oman |
| 15.30 | Junior showcase: Saudi Arabia  
- Location, data, stocks  
- Why invest? | 15.30 | Evaluating potential mineral deposits in Oman  
- Updates on geological mapping of Oman  
- Overview of current operational deposits: marble, chromite, silica  
- Exploiting future deposits part of strategic long-term plans  
*Dr Salim Al Busaidi*, CEO, Maadin Enterprises, Oman | |
| 15.40 | Junior showcase: Tanzania  
- Location, data, stocks | 15.40 | Panel Public-private cooperation  
- PPPs: the MENA opportunity |
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</table>
| 15.40 | Panel Power and energy: the renewables shift | **Why invest?**
Reyno Scheepers, CEO, Handeni Gold, Tanzania
- Adopting energy efficiency as a strategic priority to reduce operational expenditure
- Assessing renewable options for operational mines and quarries
- A look at the long-term ROI for investing in energy efficiency
- Can mines and quarries generate 100% of their energy from renewable sources?
- Examining solar, wind and hybrid initiatives
- Combating challenges with powering remote sites
- Assessing methods of storing and recycling excess power and energy

**Alfredo Lamego Duarte**, Global Senior Category Manager – Energy, Anglo American, Brazil
- Making relationships with government work
- Cases of successful PPP initiatives
- Managing timelines and stakeholders involved in large PPP projects |
| 15.50 | Junior showcase: Eritrea                     | **Why invest?**
Tim Williams, CEO, Andiamo Exploration, Eritrea
Seife Berhe, Director, Andiamo Exploration, Eritrea
- Location, data, stocks
- Why invest? |
| 16.00 | Junior showcase: Pakistan                   | **Why invest?**
Muhammad Yusaf, Senior Manager - Mining, Minerals Exploration & Development Organization (MEDO), Pakistan
- Location, data, stocks
- Why invest? |
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</table>
| 16.10 | Conducting due diligence of juniors                                         | - Sourcing the data you need efficiently and quickly  
- How to use information to analyse a junior, exploration or development mining company  
*Enquire now to sponsor this session*                                                                                       |
| 16.00 | Rethinking the optimum energy strategy                                      | - Optimising fossil-fuels, solar, battery and payment systems for best energy performance  
- On-grid vs off-grid solutions to manage energy price increase and reliable supply  
- Case studies to develop, fund and deliver renewable assets  
- Energy improvements through better alignment and integration  
*Enquire now to sponsor this session*                                                                                     |
| 16.10 | Maximising usable material from your quarry site                            | - Advanced geotechnical modelling solutions for material management  
- Waste minimisation strategies and techniques for quarry operators  
- Cost gains of reusable material  
*Enquire now to sponsor this session*                                                                                      |

16.20 Networking break

**OPERATING IN A DIGITAL WORLD**

17.00 **Keynote** Digitally-savvy miners: the operator’s architecture for digital transformation
- Developing new skills and business models to compete effectively in an all-digital world  
- Inspiring change and top-down commitment  
- Attracting change agents and champions  
*Enquire now to sponsor this session*  

17.20 **Keynote** Recalibrating the extractives industry for a digitally energised world
- Technological leadership and the innovation adoption curve in a world of disorder  
- The disruptive operator: staying ahead of competition with technology  
- Defining the miner’s innovation strategy: achieving breakthrough performance

17.40 Close of day one
Main conference agenda day two – 3rd October 2017

CEO STRATEGY & INVESTMENT MORNING

09.10 **Keynote panel** The world of investment, macroeconomics and geopolitical ripples
- Assessing the business impacts of Trumponomics, Brexit and Eurozone crises
- Evaluating shifts in mood, sentiment, globalisation and the rise of economic nationalism
- Scenario planning to ride the waves of change

*Fabio Scacciavillani,* Chief Economist & Member of the Investment Committee, **Oman Investment Fund (OIF)**
*Biswajit Dasgupta,* Chief Investment Officer, **Emirates Investment Bank, UAE**
*Tom Brady,* Chief Economist, **Newmont Mining Corporation, USA**

09.30 **Keynote panel** Strategies for investing in today's mineral markets
- Approaching investment strategies in foreign mineral markets
- Shifting global powers: a look at the mineral contribution to sustainable economies
- CEO strategy: anticipating, maintaining and gaining in the new normal

*Wondimu Yohannes,* MD, **Nubian Gold Exploration, Ethiopia**
*Pambos Simonos,* Executive Director, **Arabia Global Resources, Oman**

10.00 **Keynote** Improving the long-term approach to investing in operational excellence
- Striving for excellence and avoiding short-term views in a capital stricken climate
- Committing feasible long-term investment to operational excellence: adopting lean practices
- Finding new productivity gains: learning from alternative industries

*Enquire now to sponsor this session*

10.20 Networking break

10:40 Morning tea

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<td>HAZARDS, SAFETY &amp; SECURITY</td>
<td>11.20 Hazards and how to avoid them</td>
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<td>• In-action case studies: cause and control</td>
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<td>• Integrating hazard identification for sites</td>
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<td>• Mitigation measures and their implementation</td>
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<td>• Preparing for an accident investigation</td>
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<td>Khuwailid Al Hinai, HSE &amp; Security Manager, Gulf Mining Group, Oman</td>
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<td>11.20</td>
<td>MINES, MONEY &amp; MINISTRIES</td>
<td>11.20 Ministry showcase Uganda</td>
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<td>• Growth and outlook of Uganda</td>
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<td>• Taxes and licensing</td>
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<td>• Exploration, mining and processing for gold and base metals in Uganda</td>
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<td>Mayanja Jackson, CEO, Optima Mines &amp; Minerals, TMT Mining Company, Ace</td>
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<td>Mineral Resources, &amp; Mining Engineer, Ministry of Energy &amp; Mineral</td>
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<td>Development, Uganda</td>
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<td>MINES, MONEY &amp; MINISTRIES</td>
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<td>HAZARDS, SAFETY &amp; SECURITY</td>
<td>11.40 Top miners’ health tech</td>
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<td>• Quality management of workforce health</td>
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<td>• Prevent and monitor: recording milestones and triggers</td>
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<td>• Deploying artificial intelligence in underground mines</td>
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<td>• Monitoring and managing workforces with wearable devices</td>
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<td>MINES, MONEY &amp; MINISTRIES</td>
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<td>Belisti Kebie, Mineral Economist, Ministry of Mining, Ethiopia</td>
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<td>MINES, MONEY &amp; MINISTRIES</td>
<td>11.50 South Africa mining investment in an African context</td>
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<td>• African mining activities and opportunities</td>
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<td>• Investment environment in South Africa</td>
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<td>• South African linkages and support for projects into Africa and South</td>
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<td>Sake van der Wal, Consul Economic – Department of Trade &amp; Industry,</td>
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<td>South African Consulate General, UAE</td>
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<td>RETHINKING MINERAL PROCESSING</td>
<td>11.20 Improving operational efficiency of mineral processing</td>
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<td>• Utilising world-class technology to ensure competitive leadership of</td>
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<td>• Mineral processing innovations in action: crushers, screens, wears and</td>
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<td>• Implementing fully automated operations</td>
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<td>RETHINKING MINERAL PROCESSING</td>
<td>11.40 Saving power with optimised crushing chambers</td>
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<td>• Re-engineering crushing chambers in the Middle East</td>
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<td>• Reducing power consumption without compromising crushing capacity</td>
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<td>• Lowering total costs and reducing voltage to save energy</td>
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<td>Ensuring safe management of advanced additives and chemicals</td>
<td>❌ Fertiliser chemical additives – what’s involved?</td>
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<td>❌ Innovative products and approaches to chemical and fertilizer management in mining</td>
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<td>❌ Helping the mining industry meet complex metallurgical and environmental challenges</td>
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<td>Jamal Matalka, CEO, Saudi Specialty Chemical Industries, Saudi Arabia</td>
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<td>12.00</td>
<td>Indonesia case study The next trillion-dollar economy?</td>
<td>❌ Indonesia as a mining destination: options for foreign investors</td>
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<td>❌ Revised mining regulations, relaxed export rules and revitalised opportunities</td>
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<td>❌ Update on in-country processing and refining requirements</td>
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<td>Karolus Santosa, Strategy &amp; Project Specialist, Kaltim Prima Coal, Indonesia</td>
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<td>Fully automated plants and versatile quarries</td>
<td>❌ Driving innovations in aggregates production with plant automation</td>
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<td>❌ Asset integration: feeders, crushers, screens and conveyors</td>
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<td>❌ Generating electricity through innovative conveyor management</td>
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<td>Christian Drewes, Technical Manager, Quarry Mining</td>
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<td>12.10</td>
<td>Developing mines in emerging markets</td>
<td>❌ Establishing access in emerging markets</td>
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<td>❌ Commissioning facilities to extract, treat and transport</td>
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<td>❌ Going online and preparing for commercial production</td>
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### PROJECT UPDATE ROUNDTABLE DISCUSSIONS

1. **Updates on the mining industry of Algeria** *(discussion led in Arabic)*  
   - Mabrouk Bezaz, Director, Chamber of Commerce & Industry, Algeria

2. **Mining update from Pakistan**  
   - Azhar Khan, Director General – Minerals, Ministry of Petroleum & Natural Resources, Pakistan

3. **Project update: Sudan**  
   - Nasr Elhussein, GM, Ariab Mining Company, Sudan

4. **Project update: Savannah Resources**  
   - David Archer, MD, Savannah Resources, Oman

5. **Project update: Uganda**  

6. **Project update: Turkey**  
   - Yusuf Tuncel, Mining Director, Acacia Mining Operations, Turkey

7. **Project update: Saudi Arabia**  
   - Mohamed Saleh, Mining Section Head, Najran Cement, Saudi Arabia

8. **Update on the minerals market in Afghanistan**  
   - Mohammad Qayoumi, Chief Advisor to the President – Infrastructure, Human Capital & Technology, Ministry of Mines & Petroleum, Afghanistan

### INNOVATION ROUNDTABLE DISCUSSIONS

*Enquire now to sponsor a roundtable discussion session*

1. **Investment opportunities of UAE: geophysical survey results 2002-2012**  

2. **Developing manufacturing clusters and cross-border corridors around mineral markets**

3. **Hire local, buy local**

4. **Corporate social responsibility: people, planet, profit**

5. **ETF’s in mining**

6. **Building a mining business in today’s climate**

7. **Waste disposal facilities and management**

8. **Training and development with virtual and augmented reality solutions**

9. **Transporting explosives safely and efficiently**

10. **Efficiency in mine/quarry rehabilitation**

13.00 Networking lunch
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<th>14.20</th>
<th><strong>Finance &amp; Investment I</strong></th>
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<th><strong>Asset Management</strong></th>
<th>14.20</th>
<th><strong>Environmental Management</strong></th>
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</table>
| Junior exploration: the power of discoveries  
• Pioneering discovery investing and overview of discovery portfolio  
• Reviving investor appetite in juniors and exploration  
• Why juniors will spur the mining rebound  | Mastering innovation in mine asset management  
• Balancing the engineering and business perspective  
• Running an automated asset management project with agility and flexibility  
• Developing and executing your innovative, efficient asset management strategy  | Panel Managing environmental concerns for quarry operators  
• Government agendas: climate change, recycling and waste, carbon emissions, biodiversity  
• Meeting requirements and regulations: looking at internal training and development needs  
• The quarry managers challenge of increasing output, whilst meeting regulations  | Willem Middelkoop, Co-founder, Commodity Discovery Fund, Netherlands |

| 14.40 | **The case for long-term leasing**  
• Considering buy, lease or sell options for mines and quarries  
• No ‘one size fits all’ aggregates  
• Assessing lease accounting rules, leases and contracts  
• Lease financing vs bank financing  | Assets: integrity, ROI and maximising depreciation  
• Regular inspective and maintenance of assets  
• Preventive and predictive maintenance  
• Assessing how asset integrity management systems fit in to your strategy  
• Accuracy of records and data management  | Corporate social responsibility in the mineral industry  
• The role of operators in reducing negative impacts of their projects  
• Actions companies can undertake  
• Investing in infrastructure, developing communities and building human capital  | Jon Starink, Chairman, Oryx Mine Investment, UK  
Ahmed Hussein, Maintenance Coordinator, Lafarge Emirates Cement, UAE  
Yousef Tayseer, Mining Advisor, Ministry of Energy, UAE |
| 15.00 | **Metal streaming: the world’s saviour?**  
  - Streaming: a lucrative and low risk investment model  
  - Non-dilutive financing for mining companies  
  - Examples of streaming success | 15.00 | **India case study Drone technology for mine monitoring**  
  - Introducing drones in mines: surveillance, monitoring, inspection and safety  
  - Recording drone data and resulting cost analysis benefits  
  - Defining the miner’s asset and resource inventory with drones: reclaimed area, profiling, volume calculation  
  *Rajiv Garg*, Principal Advisor, *Coal India Ltd*, India | 15.00 | **Hazardous waste disposal**  
  - How to identify and manage hazardous and non-hazardous waste  
  - Permits and regulations for managing hazardous waste  
  - Cutting edge solutions for waste facilities |
| 15.10 | **Financial reporting in the mining industry**  
  - International financial reporting standards (IFRS)  
  - How to respond to accounting challenges along the value chain  
  *Enquire now to sponsor this session* | 15.10 | **Unplanned equipment downtime: cease and desist!**  
  - Asset management, reliability and maintenance leadership  
  - Anticipating obstacles and eliminating unexpected repairs and replacements  
  - Top downtime fails of 2017 and how to prevent them!  
  *Rafael Abela*, Director – Business Development, *DRA/Minoplex, Saudi Arabia* | 15.10 | **Dedust solutions: facts, fads and fillers**  
  - Dust control in bulk mineral handling and processing  
  - Advantages of installing dedust solutions: concepts, design and technicalities  
  - Health, safety and machinery maintenance considerations  
  *Enquire now to sponsor this session* |
| **FINANCE & INVESTMENT II** | **TALENT MANAGEMENT** | **INTERNET OF EVERYTHING** |
| **15.20** | **Debt management in capital-stricken landscapes**  
  - Identifying and shedding non-core assets  
  - How big data can enable autonomous decisions on handling procedures  
  - Outlook for debt and leverage 2017-2018 | **15.20** | **The great mining brain drain**  
  - Cyclical bear impact on the retiring and redundant  
  - Managing mass exodus of long-term, mid-level professionals  
  - Strategies for passing on expertise and managing skill-gaps  
  - The disappearing and disengaged: generation changes and demographics | **15.20** | **1000 examples of industrial IoT in action**  
  - From dust to concrete to vehicle tyres to conveyor belts: the most revolutionary IoT solutions  
  - Investing in IoT: making it work for your business  
  - Mapping your quarry network of sensors  
  - The power of IoT big data and analytics for quarries |
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| 15.40 | Performing effective risk management for mine investors                                            | • Identifying all material risks  
• Implementing control measures  
• Effective crisis management  
• Maintaining stakeholder expectations and standards                                                                                     |
| 15.40 | Panel The ongoing drive for female empowerment in mining                                            | • Achieving gender equality  
• Championing cultural change and moving the conversation forward  
• Developing diverse teams  
Moderator  
Wendy Treasure, Founder & Director, EVE Enterprises, Australia  
Panelists  
Ghassaina Al Hilu, Director of Petroleum & Oil Shale, Ministry of Energy & Mineral Resources, Jordan  
Sisca Husodo, SVP, Anzawara Coal, Indonesia                                                                                                      |
| 15.40 | The network provider at the heart of mineral innovation                                              | • Network connectivity to facilitate the use of advanced technology  
• Ensuring availability of network connectivity in remote locations  
• The 5G path for mineral operators  
• Bringing your project up to speed                                                                                                            |
| 16.00 | JUNIORS IN ACTION II                                                                                |                                                                                                                                                    |
| 16.00 | Junior showcase Eritrea                                                                            | • Location, data, stocks  
• Why invest?  
Amanuel Arefaine, GM, Asmara Mining Share Company, Eritrea                                                                                       |
| 16.10 | Junior showcase Mali                                                                               | • Location, data, stocks  
• Why invest?  
Badara Diallo, Geology Manager, MGM, Mali                                                                                                          |
| 16.10 | Market rate alignment in a hypercyclical world                                                    | • First port of call: salaries, contractor rates, expatriate packages, expenses  
• Adjusting rates in line with market changes  
• Importance of accurate data and analytics tools                                                                                              |
| 16.20 | Networking break                                                                                   |                                                                                                                                                    |
| 17.00 | End of conference day two                                                                          |                                                                                                                                                    |