

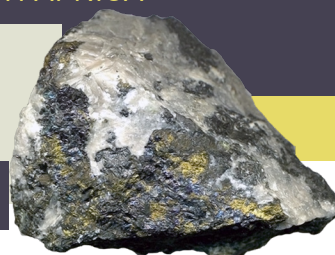
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INTERNATIONAL CONFERENCE 2021

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MISTY HILLS CONFERENCE VENUE, MULDRSDRIFT  
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Abstracts Received

**Keynote - Managing radioactivity in the rare earths industry**P. Metcalf, *International Atomic Energy Agency, Australia***Keynote - Important technical factors that make a Rare Earth Deposit economically mineable and fundable**T. Harwood, *Montero Mining, United Kingdom***Keynote - Geology of REE deposits, experience in Greenland**J. Harmer, *Rhodes University, South Africa***Processing of rare earth ores in RSA**A. Lashbrooke, *Erakis, South Africa***Recent findings at Eureka**

E. Loye

**Metallurgy and innovation in the extraction of rare earths from the Wigu Hill Carbonatite Complex, Tanzania**A. Harwood<sup>1</sup>, M. Evans<sup>1</sup>, S. Pillay<sup>2</sup>, and R. Mottay<sup>2</sup><sup>1</sup>Montero Mining and Exploration Ltd, Canada and <sup>2</sup>Mintek, South Africa**Geology and mineralogy of the Wigu Hill Carbonatite Complex, Tanzania**A. Harwood<sup>1</sup>, M. Evans<sup>1</sup>, and R.E. Harmer<sup>2</sup>, *Montero Mining and Exploration Ltd, Canada and Rhodes University, South Africa***Concentration of rare earth elements in coal fly ash**G.B. Abaka-Wood<sup>1</sup>, J.A. Mensah<sup>1,2</sup>, and W. Skinner<sup>2</sup>,<sup>1</sup>University of South Australia, Australia and <sup>2</sup>Namibia University of Science and Technology, Namibia**A study of flotation recovery of rare earth elements minerals from mining tailings using hydroxamic acid as a collector**G.B. Abaka-Wood<sup>1</sup>, J.A. Mensah<sup>1,2</sup>, and W. Skinner<sup>1</sup>, *University of South Australia, Australia and Namibia University of Science and Technology, Namibia***Processing of iron oxide-silicate rich tailings slimes for rare earth elements recovery**G.B. Abaka-Wood<sup>1</sup>, J.A. Mensah<sup>1,2</sup>, and W. Skinner<sup>1</sup>, *University of South Australia, Australia and Namibia University of Science and Technology, Namibia***Review of exploration, mining and environmental management of rare earth elements production in Southern Africa**B. Adebayo, *Federal University of Technology, Nigeria***The assessment of rare earth elements in a borehole core from the Emerlo Coalfield, South**D.G. Modiba and N.J. Wagner, *University of Johannesburg, South Africa***Distribution and leaching behaviour of rare earth elements and toxic trace metals in coal fly ash: implications for rare earths recovery and the environment**I.C. Okeme<sup>1</sup>, R.A. Crane<sup>2</sup>, T.I. Ojonimi<sup>3</sup>, K.R. Hallam<sup>1</sup>, and T.B. Scott<sup>1</sup>, *University of Exeter, United Kingdom, and University of Jos, Nigeria***Summary of the Steenkraampskraal rare earth project in South Africa**T. Blench, *Steenkraampskraal Holdings, South Africa***TBC**C.G. Anderson, *Colorado School of Mines, USA***Centralized rare earths processing - unlocking a REE industry in South Africa**L. Kruger, *Mintek, South Africa***Optimization of the SACREF flowsheet using financial modelling**M. van Rooyen, *Mintek, South Africa***Effects of acid concentration on the extraction of rare earth elements from South African coal fly ash**K. Mokoena<sup>1</sup>, L.S. Mokhahlane<sup>2</sup>, and S. Israel<sup>1</sup>, *University of the Western Cape and University of the Witwatersrand, South Africa***Potential impact of increased recycling on Nnw rare earth element projects**N.C. Steenkamp, N. Scott, and G. Bezuidenhout, *Bowline Professional Services, South Africa***Recover of REES from secondary resources such as coal fines, fly ash and postconsumer wastes: Effect of particle size on the enrichment and recovery efficiencies of rare earth elements from South African coal fly ash**B.V. Seleka<sup>1</sup>, L. Mokhahlane<sup>2</sup>, and S. Israel<sup>1</sup>, *University of the Western Cape and University of the Witwatersrand, South Africa***Technical feasibility study on extraction of rare earth elements from the Fe-rich deposit in the Eisenberg Complex, Namibia**I.C. Thobadia<sup>1</sup>, M. Lekobotja<sup>1</sup>, Y. Mphahlele<sup>1</sup>, N. Nyambeni<sup>1</sup>, K. Bisaka<sup>1</sup>, E. Matinde<sup>1</sup>, and S. Kahoverac<sup>2</sup>, *Mintek, South Africa and Broadmind Mining Pty Ltd, Namibia***Pre-treatment of iron-rich rare earth carbonatite ores to improve smelting efficiencies**M. Lekobotja<sup>1</sup>, I. Thobadi<sup>1</sup>, L. Malaka<sup>1</sup>, E. Matinde<sup>1</sup>, S. Kahovera<sup>2</sup>, and K. Bisaka<sup>1</sup>, *Mintek, South Africa and Broadmind Mining Pty Ltd, Namibia***Preliminary investigation into the recovery of rare earth elements from South African coal fly ash**A.Q. Vilakazi, S. Ndlovu, and L. Chipise, *University of the Witwatersrand, South Africa***Ondoto LREE-Carbonatites, Kunene Igneous Complex Satellite Intrusions, Namibia**R. Ellmies, V. Haukongo, and K. Ndalulilwa, *Gecko Exploration (Pty) Ltd, Namibia***Lofdal xenotime deposit, Namibia: Geology, recent exploration results and planned mine development**R. Ellmies, *Namibia Critical Metals Inc, Canada***Investigation of possible flowsheets for the extraction of REE from ashes and other residues**T.P. Kekana<sup>1</sup>, I.C. Thobadi<sup>1</sup>, E. Matinde<sup>1</sup>, B. Xakalashé<sup>1</sup>, and K. Bisaka<sup>2</sup>, *Mintek and Zawadi Business Solutions Pty Ltd, South Africa***Formation of Perovskite, a handicap in the Pyearth™ process for the processing of mineralogically complex iron-rich rare earth ores**I. Thobadi<sup>1</sup>, K. Bisaka<sup>2</sup>, Y. Mphahlele<sup>1</sup>, X. Goso<sup>1</sup>, L. Ngema<sup>1</sup>, and E. Matinde<sup>1</sup>, *Mintek and Zawadi Business Solutions Pty Ltd, South Africa***Carbonatites in the southern Periphery of the Kunene Igneous Complex, Namibia: Exploration results and economic potential**K. Ndalulilwa and R. Ellmies, *Gecko Exploration (Pty) Ltd, Namibia***Lofdal xenotime deposit, Namibia: Geology, recent exploration results and planned mine development**R. Ellmies, *Namibia Critical Metals Inc, Canada*