Early-Career Researcher
International Platinum Symposium 2022

Announcement

The first **International Platinum Symposium** focussed specifically on **early-career researchers** (Postdoc, PhD, MSc, and keen BScs) will take virtually place on **Thursday 05 May**, **Thursday 12 May**, and **Thursday 19 May 2022**, with workshops available in and around those dates

Abstracts are solicited from students and early-career researchers focussed on, but not limited to, the formation of magmatic ore deposits in layered intrusions, komatiites, mafic-ultramafic complexes, and Ural-Alaskan complexes, and advances in the exploration of these deposits (e.g., prospectivity mapping, machine learning, mineral vectors, geophysical techniques).

Abstract submission will be open between **01 November 2021** and **01 March 2022**. Abstracts must be submitted to PlatinumSymposium2022@gmail.com. Please include in the subject "Abstract Surname Forename". Save your word.doc file as follows: PtSymp22_SurnameForename.

Several great **postdoctoral keynote speakers** are confirmed, including Yao Zhuosen *China University of Geoscience*, Daryl Blanks *University of Leicester*, Eduardo Mansur *Norges geologiske undersøkelse*, Reza Maghdour-Mashhour *University of the Witwatersrand,* Jordan Lindsay *Camborne School of Mines,* and Louise Schoneveld, *CSIRO*), who will cover a wide range of MagSul-related subjects!

The following short courses and workshops are confirmed (dates TBD), including:

- **Introduction to Micromine** with *Tom Pratelli*: A virtual two session course that will see students work through scenario-based mining software training. The course aims to bring complete novices and existing users up to speed on one of the most widely used exploration packages, Micromine. The course will offer an introduction to importing, manipulation and display of exploration data. Dealing with sample drillhole data, students will be guided through importing, manipulating and editing the data and shown appropriate modelling techniques such as the implicit Modeller. The course offers a solid foundation for further work into other topics such as model interpolation, reserve reporting and pit optimization studies.

- **Mineral prospectivity mapping** with *Bijal Chudasama*: In this workshop we will first explain the basics of mineral prospectivity analysis, describe the general workflow and present some case-studies. Next, we will demonstrate the implementation of mineral prospectivity modelling in QGIS using the data-driven weights of evidence method and/or the knowledge-driven fuzzy logic overlay approach. Following the demonstration, the participants can implement either (or both) the methods using simple test datasets.

- **Showcasing the Magma Chamber Simulator** with *Jussi Heinonen*: In this workshop, we will introduce the functionality of the thermodynamic modelling programme – the Magma Chamber Simulator. We will talk a closer look at the input and output files of the programme, run simple simulations of crystallization, assimilation, and recharge, and have interactive discussions for more detailed inquiries of users.

- **Unravelling magmatic sulphides: applications of X-ray mapping and multiple sulphur isotopes** with *Steve Barnes & Marco Fiorentini*: Details TBD.

The committee is also working to host a panel discussion on future avenues for research in our area and to provide student feedback and awards. You can also stay up to date with developments via our social media:

Twitter Account: @PlatSymposium22
Instagram Account: @platsymposium2022
Facebook Page: ECR Platinum Symposium 2022

ECR Pt Committee

William Smith, Chris Jenkins, Cláudia Augustin (Carlton University)
Erin Thompson, Kate Canham (University of Leicester)
Priyanjan Datta and Abhishek Pandey (IISER Bhopal)
Ivan Chayka (D.S. Korzhinsky Institute of Experimental mineralogy)