

Dear Ore Deposits Hub Subscribers,

Join us tomorrow to get to the bottom of the stratiform, clastic dominated George Fisher Zn-Pb-Ag Deposit with Dr. Philip Rieger. Log in later to join Dr. Gisella Palma and dive into the world of Andean iron oxide-apatite deposits through magnetite geochemistry — a very attractive topic!

You can find the zoom details, summaries, and calendar files below. Please join live to participate in the seminars and discussions – your active engagement is the only thing that keeps ODH up and running!

Tomorrow's Meeting Details

also available at: <https://oredepositshub.com/zoom-details/>
or join on YouTube Livestream here: <https://www.youtube.com/oredepositshub>

The mineralogical and lithogeochemical footprint of the George Fisher Zn-Pb-Ag massive sulfide deposit

Philip Rieger, *Post-doctoral Researcher, GFZ Potsdam*
[08:00 GMT, 2nd June, 2021 \(.ics Calendar file\)](#)

Join via

URL: <https://zoom.us/j/99864569498?pwd=STcrTnE0aStlaUphcmEyQS9BN0t1UT09>

Meeting ID: 998 6456 9498

Passcode: 613403

Philip's Summary: The Carpentaria province in Northern Australia contains some of the world's largest (and highest grade) sediment-hosted massive sulfide Zn deposits. Despite their economic importance and a long history of research and exploration, some of the key aspects of these giant clastic dominant (CD-type) systems are still unclear (e.g., paragenesis, alteration footprint). This talk will integrate petrographic, mineralogical (XRD) and geochemical (sulfur isotopes, rare-earth elements, lithogeochemistry) data to help understand the protolith composition and alteration processes at the George Fisher deposit (Mount Isa, Australia).

Hosted by Filipa Luz and Halleluya Ekandjo

Ore-forming processes revealed by magnetite geochemistry of Andean iron oxide-apatite (IOA) deposits

Gisella Palma, *Post-doctoral Researcher, Universidad de Chile*
[17:00 GMT, 16th June, 2021 \(.ics Calendar file\)](#)

Join via

URL: <https://zoom.us/j/93864396254?pwd=a01zd0xHNGdzZU9hQURyZGhzRUd4QT09>

Meeting ID: 938 6439 6254

Passcode: 35257

Gisella's Summary: Magnetite is the main iron ore of iron oxide-apatite (IOA) deposits which represent the Cu-deficient end-member of the known "iron oxide-copper-gold (IOCG) clan". We present a comprehensive summary and discussion of magnetite microtextures and geochemistry (EMPA and LA-ICP-MS) from Andean IOAs including Los Colorados, Cerro Negro Norte, El Romeral, Carmen, Fresia, Mariela (Chilean Iron Belt) and the Pliocene El Laco (Chilean Altiplano). The contrasting (high and low) trace element composition of magnetite, combined with a variety of microtextures, revealed that these deposits formed by a combination of igneous and hydrothermal processes under a wide spectrum of P-T-fO₂ conditions.

Gisella is our first speaker from the International Women in Mining (IWIM) association through their Speak Up program. Pushing for equal representation and diverse working environments in the mining industry, IWIM is an important part of the future of mining. Find out more at the IWIM website here – <https://internationalwim.org/>

Hosted by Irene del Real and Wren Bruce



See you Tomorrow! and a special thanks to the [SGA](#), [IAGOD](#), and [SEG](#) for co-sponsoring our platform.

The [Ore Deposits Hub](#) team

Upcoming Meetings

Copy <https://calendar.google.com/calendar/ical/oredeposithub%40gmail.com/public/basic.ics> into your Calendar app to subscribe to the live calendar (recommended) to see all preliminary scheduling, or click to download each .ics Calendar file and check your local time zone.

The mineralogical and lithogeochemical footprint of the George Fisher Zn-Pb-Ag massive sulfide deposit

Phillip Rieger, *GFZ Helmholtz Centre Potsdam*
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Gisella Palma, *Universidad de Chile, Santiago*
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In-situ boron isotope and geochemical compositions of white mica and tourmaline from the Panasqueira W-Sn-Cu deposit, Portugal

Marta Codeço, GFZ Potsdam

[08:00 GMT, 30th June 2021 \(.ics Calendar file\)](#)

Bridging the gap between ancient and active seafloor hydrothermal systems: The Troodos perspective on VMS deposit formation

Andrew Martin, Memorial University of Newfoundland

[17:00 GMT, 30th June 2021 \(.ics Calendar file\)](#)

Reduction of Oxidized Sulfur in the Formation of the Giant Grasberg Porphyry Cu-Au Deposit, Indonesia

Adi Sulaksono & Reza al Furqan

[08:00 GMT, 14th July, 2021 \(.ics Calendar file\)](#)

The history of life (and massive sulfides) at hydrothermal vents

Richard Herrington, *Natural History Museum, London*

[17:00 GMT, 28th July, 2021 \(.ics Calendar file\)](#)

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