XIX CONGRESO PERUANO DE
GEOLOGÍA

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WORKSHOP VOLCANOGENIC MASSIVE SULFIDE DEPOSITS

C 04 | **SET 22, 2018** | **SHORT COURSE**

Instructor:

Thomas Monecke Ph. D.

Colorado School of Mines
Department of Geology and Geological Engineering

COLORADOSCHOOLOFMINES
EARTH • ENERGY • ENVIRONMENT

SHORT COURSE DESCRIPTION

Submarine hydrothermal systems represent one of the oldest and most important ore-forming processes in the geologic record. This course will examine the diversity of hydrothermal systems and the nature of fluid flow in submarine volcanic environments, with an emphasis on the formation of volcanogenic massive sulfide deposits. The geological characteristics of these base and precious metal deposits and the hydrothermal processes that produce them will be discussed. Special emphasis will be placed on the interpretation of geological settings, controls on mineralization, ore mineralogy and geochemistry, hydrothermal alteration, and enrichment of precious metals. Strategies for exploration in ancient volcanic terrains will be derived.

RATES

Until 17.08		From 18.08	
Members	Non-Members	Members	Non-Members
400	500	480	600

USD
General Sales Tax included

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SHORT COURSE OUTLINES

- Massive sulfide model I
- Massive sulfide model II
- Style of Volcanism I
- Style of Volcanism II
- Tectonic Setting of Modern Seafloor
- Hydrothermal Systems
- Gold-rich Volcanogenic Massive
- Sulfide Deposits
- Hydrothermal Alteration
- Exploration Strategies
- Wrap-up and Discussion

LOCATION

Instituto de Ingenieros de Minas
Calle Los Canarios 155 - La Molina

PARTICIPANTS

MINIMUM : 15
MAXIMUM : 40

This course will be conducted in English.