



proEXPLO 2023



COURSE GEOPHYSICAL METHODS FOR GEOLOGISTS



THURSDAY 11TH MAY 2023

FROM 9:00 TO 13:00 HOURS

IIMP VENUE

Abstract

The course will last for half a day and will consist of a theoretical class in which the various geophysical methods used by geologists in mining exploration, geotechnical and groundwater studies will be presented, with an emphasis on the study of the Earth as a whole.

The course will be divided into the following parts, each lasting an average of one hour:

1. General.
2. Potential Field Methods.
 - a. Spontaneous Potential
 - b. Radiometry.
 - c. Gravimetry.
 - d. Magnetometry.
3. Electrical and Electromagnetic Methods.
 - a. Resistivity.
 - b. Induced Polarization.
4. Seismic Methods.
 - a. Seismic Refraction.
 - b. Active and passive MASW.

Instructor

José Arce Alleva holds a Bachelor of Science degree in Geology and Geophysics obtained in 1991 from the University of Missouri-Rolla and a Master of Science degree in Geophysical Engineering obtained in 1993 from the University of Arizona. He has been working with Arce Geofísicos since 1993 with more than 1400 geophysical surveys and consultancies in most of the American continent.

In the Society of Exploration Geophysicists (SEG), he has headed the Mining Committee (2015-2016), the Near-Surface Geophysics Technical Section (2019), the International Events Approval Committee (2020-2022), and the Justice, Equity, Diversity and Inclusion Committee (2021-2022). He has also participated in the SEG-AGU collaboration committee, HSEC committee and Council (2015-2017) representing Latin America and currently participates in the Field Studies Funding Committee.

In the Society of Economic Geologists (SEG) he has been Regional Vice-President for South America and has been a member of the Nominating Committee, the Fellowship Committee and the Council. He was also a member of the Organizing Committee for the 2022 SEG Congress.

He has chaired the organizing committee for the 13th Latin American Congress of Geology (2008) and the Board of Directors of the Geological Society of Peru (2012-2013).



José
ARCE

Costs

CATEGORIES	RATES US\$ INC. IGW	
	Until 16.03.2023	From 17.03.2023
Non-Associates	350	400
Associates	250	300
Students	100	150
Teachers	150	200

- The IIMP Active Member must be up to date with their 2023 dues.
- The student and the teacher must present their respective university transcripts.
- * Includes digital certificate.

13TH INTERNATIONAL CONGRESS
OF PROSPECTORS AND EXPLORERS

**DISCOVERING THE
MINING OF THE FUTURE**

8 - 10 May, 2023

Venue: Lima Convention Center

ORGANIZED BY:



FOR MORE INFORMATION:



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