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[EV-04] Lunchtime Special Lecture

Mon. May 27, 2024 12:30 PM - 1:40 PM Stage Area (Exhibition Hall 6, Makuhari Messe)

World renowned scientists will present a series of Special Lectures in Earth and planetary sciences for students and early-career researchers across disciplines during lunch breaks of the Meeting.

This year's lectures are the winners of the 5th Nishida Award.

1:05 PM - 1:40 PM

[EV04-04]Machine Learning in Volcanology and Petrology

*Luca Caricchi¹ (1. Department of Earth Sciences, University of Geneva, Switzerland)

Understanding the architecture of magmatic systems and their temporal evolution is crucial to anticipate the behavior of volcanic systems. Essential to this endeavor is the quantitative study of past eruptions. I will present machine learning approaches applied to the geochemistry of rocks and minerals that allow to quantitatively link the evolution of plumbing systems and the eruptive behavior of volcanoes.