

# **IAVCEI 8th Volcano Geology International Workshop**

Reconstruction of the temporal evolution of volcanic activities

from geological evidence

**7th-13th March 2027.**

**Kirishima and Aira-Sakurajima volcanoes, Japan**

## **FIRST CIRCULAR**



### **INVITATION**

Dear Colleagues,

On behalf of the Organizing Committee of the Commission on Volcano Geology, and the International Association of Volcanology and Chemistry of Earth's Interior (IAVCEI – [www.iavceivolcano.org](http://www.iavceivolcano.org)), we are pleased to invite you to the 8th Volcano Geology Workshop to be held in Southern Kyushu, Japan, in March 2027.

The 8th Volcano Geology Workshop focuses on discussing best field volcanology practices, including the reconstruction of volcanic sequence based on the geological mapping and stratigraphical analysis. We will focus on two active volcanic fields, Kirishima and Aira-Sakurajima with Quaternary caldera complex, examining their various deposits from proximal to distal. We will also examine the relationship between these stratovolcanic complex and caldera volcanisms.

## **AIM OF THE WORKSHOP**

We will discuss about concepts and techniques for the analysis of the temporal evolutions of volcanic activities and their driving magmatic system. Particularly, we will focus on the pyroclastic successions, and we will discuss the vertical stratigraphy, lateral distribution, and components of the volcanic deposits from outcrop to mapping scales.

## **PROPOSED SCIENTIFIC TOPICS**

- ✧ Analysis of the evolution of volcanic systems from single-eruption to whole-volcano geology.
- ✧ Mapping strategies of various types of volcanoes.
- ✧ Petrological analysis of volcanic products.
- ✧ Analysis of relations between historical records and volcanic stratigraphy.
- ✧ Hazard assessments based on the geological mapping of volcanic areas.

## **WORKSHOP LANGUAGE**

The official language of the workshop will be English.

## **PLANNING SCHEDULE**

March 7: Arrival, Registration, Icebreaker.

March 8: Keynote talk, Scientific Discussions, Poster session.

March 9: Field trip (Kirishima volcano)

March 10: Field trip (Kirishima and Aira caldera)

March 11: Field trip (Sakurajima tephra deposits)

March 12: Field trip (Aira and Ata calderas), Closing scientific meeting, Farewell Dinner.

March 13: Half day field trip (Sakurajima), Dismissing at Kagoshima-Chuo Station.

## **ACCESS & VENUE**

### **Meeting time and point:**

Registration will be opened 6-7 pm at the reception of Main Hotel at the downtown of Miyakonojo City, Miyazaki.

(Google Map: <https://maps.app.goo.gl/2um2TXZb1HNyxdF58> )

Access: 10 min. work from Nishi-Miyakonojo Railway Station (connecting express trains from Kagoshima-Chuo and Miyazaki Stations). 1 min from the bus stop from Miyazaki Airport.

### **Dismissing time and point:**

3 pm at Kagoshima-Chuo Railway Station.

(Google Map: <https://maps.app.goo.gl/ziFx4fHkPDipyDh1A>)

With direct access to Kagoshima Airport by highway bus, Kumamoto, Fukuoka and Osaka by Shinkansen trains, Miyazaki by express trains.

### **Accommodations:**

Main Hotel at Miyakonojo (From 7<sup>th</sup> to the morning of 10<sup>th</sup> March). Single-room based.

Satsuki-en at Kanoya (From 10<sup>th</sup> March to the morning of 13<sup>th</sup> March). Single and sheared rooms.

## **REGISTRATION FEE**

Registration fee: currently, the registration fee is planned to be 170,000 Japanese Yen per

person (approximately 950 Euro with recent rate). The official fee will be announced in August 2026 in the 2nd Circular.

The registration fee includes:

1. Accommodations (shared and/or individual) of 6 nights from March 7<sup>th</sup> to 13<sup>th</sup>.
2. Meals between the arrival night on March 7<sup>th</sup> to the Lunch on March 13<sup>th</sup>.
3. Icebreaker Dinner upon arrival March 7<sup>th</sup>, Farewell Dinner on March 12<sup>th</sup>.
4. Excursion bus during the workshop, transportation to the dismissing point at Kagoshima-Chuo Station on March 13<sup>th</sup>.
5. Abstract, Field Guidebook.

### **REGISTRATION and ABSTRACT SUBMISSION**

Due to the limitation of the bus capacity, the maximum number of the participants will be 40.

Registration is first-come, first-served. **Registration site will be opened in September 2026**, and closed before the end of October 2026. **Deadline of abstract will be the end of October 2026.**

Watch the announcement from the commission.

### **GRANT APPLICATIONS**

The 8th Volcano geology workshop will offer a limited number of grants to IAVCEI members only, providing support for registration and/or partial travel expenses (accommodation and meals), depending on available funding and the number of applications. Graduate students and Early Career scientists attending from developing/low-income countries are encouraged to submit their applications.

### **LOCAL ORGANIZING COMMITTEE**

Leader

Nobuo Geshi

Departamento of Earth and Planetary Science, Kyushu University (Fukuoka, Japan)

Co-Leaders (in alphabetical order)

Tatsuya Konoo

Geological Survey Japan, AIST (Tsukuba, Japan)

Ayumu Nishihara

Tokoha University (Shizuoka, Japan)

Taketo Shimano

Kagoshima University (Kagoshima, Japan)

Yasuhisa Tajima

Nippon Koei co. Ltd. (Tsukuba, Japan)



**Photo gallery of visiting sites**

(Top left: tephra layers from Kirishima volcano, covered by the ignimbrite sheet of Aira. Top right: volcanic edifices of Kirishima volcano from SE. Takachiho, Nakadake, Shinmoedake and Karakunidake, from right to left. Middle right: tephra beds of the 1716-1717 eruption of Kirishima Shinmoedake. Middle right: Sakurajima Kitadake edifice outcropping interior of the stratovolcano. Bottom left: outcrop of the welded ignimbrite of Ata Caldera. Bottom right: sequence of the Sakurajima Satsuma deposit, which is the largest Plinian eruption of Sakurajima)