



新潟大学
NIIGATA UNIVERSITY



International Association for Gondwana Research

International Association for Gondwana
Research 2023 Convention and 20th
International Conference on Gondwana to
Asia



Third Circular

October 7 - 12, 2023, Niigata, Japan

Organized by
Niigata University and Fossa Magna Museum, Itoigawa

INTRODUCTION

The 2023 Annual Convention of the International Association for Gondwana Research (IAGR) and 20th International Symposium on Gondwana to Asia will be held **onsite** in Niigata, Japan, during October 7-12, 2023, organized by the Niigata University and Fossa Magna Museum, jointly with the IAGR.

The conference will commence with registration and ice breaker on October 7, and oral and poster sessions for 2 days during October 8-9, 2023. The conference is followed by a 2-day field excursion to the Paleozoic to recent geology of Japan surrounding the Itoigawa Global Geopark on October 10-11, 2023.

The IAGR annual conventions and Gondwana to Asia international conference series provide an excellent platform for dissemination of new research results and exchange of scientific knowledge on the history of supercontinents, cratons and continents, major orogenic belts, life evolution, resources and environment. The convention in Japan will also focus on subduction zone geology and natural hazards research. The annual conventions of IAGR have high reputation as venues for the advancement of science, and one of the best platforms for interaction with renowned geoscientists.

The focal themes for the 2023 conference are as follows:

- Continents, cratons and supercontinents
- Tectonics and metallogeny
- Life evolution and surface environment
- Geology of subduction zones, past and present
- Natural Hazards

Niigata University, Fossa Magna Museum and IAGR cordially invite you to participate in this important international conference.

SCIENTIFIC COMMITTEE

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P.G. Athira (Niigata University, Japan)
T. Ogawara (Fossa Magna Museum, Japan)
T. Katori (Fossa Magna Museum, Japan)

CONFERENCE SCHEDULE

October 7, 2023: Arrival, registration and ice breaker.

Registration starts at 17:00 and closes at 20:00

Ice breaker starts at 18:00 and continues until 20:00

Venue: **ANA Crowne Plaza Niigata**

October 8, 2023: University Library Hall, Ikarashi Campus, Niigata University

9:30: Inaugural Ceremony

9:45-12:30: Keynote talk and oral presentations

13:00 to 14:00: Core time for poster presentations,

14:00 to 17:00: Oral presentations

18:30-20:30: Banquet @ **ANA Crowne Plaza Niigata**

IAGR General Assembly @ ANA Crown Plaza Hotel Niigata

Gondwana Research 2023 Best Paper Award Ceremony

Geoscience Frontiers Best Paper Award Ceremony

21:00 : IAGR Executive Council Meeting,

October 9, 2023: University Library Hall, Ikarashi Campus, Niigata University

Starts at 9:00: Keynote talks, oral presentations

13:00 to 13:30: Core time for poster presentations

13:30 to 17:15: Oral presentations

17:00 : Plenary Session and presentation of IAGR Best Student Poster Awards

19:00 : Gondwana Research and Geoscience Frontiers Annual Editorial Board Meetings @ **ANA Crowne Plaza Niigata**

October 10-11, 2023: Field Excursion, overnight stay at Itoigawa

Field excursion to Paleozoic to recent geology of Japan surrounding the Itoigawa Global Geopark.

Important information:

There will be an "Excursion Banquet" on 10th evening at Kunitomi Annex Hotel at Itoigawa. Accommodation at the Japanese style accommodation at Hotel Kunitomi Annex (with extra cost). Budget accommodation at Hotel Geopark (included in the excursion fee)

October 12, 2023: Departure

Information for Oral and Poster presenters

We have overwhelming registrations and we tried to include as many presentations as possible. Unfortunately we could not satisfy every ones request. We have 2 full and tightly scheduled days of oral sessions and the presenters are requested to comply with allocated time.

For Poster presenters, the poster boards are 84 cm in width and 180 cm heigh. However, we recommend the to prepare AO size poster. Please put up your posters in the morning and remove in the evening. The presenters should explain the posters during the poster core time.

ACCESS TO NIIGATA

Niigata is one of biggest cities facing the Sea of Japan and is well connected both by air and high-speed trains (Shinkansen). It takes only 2 hours from Tokyo to reach Niigata using a Shinkansen.

Some international flights have started to fly to Niigata. Please take a look at <https://www.niigata-airport.gr.jp/?&lang=en>



For more details, please visit <https://enjoyniigata.com/en/access>

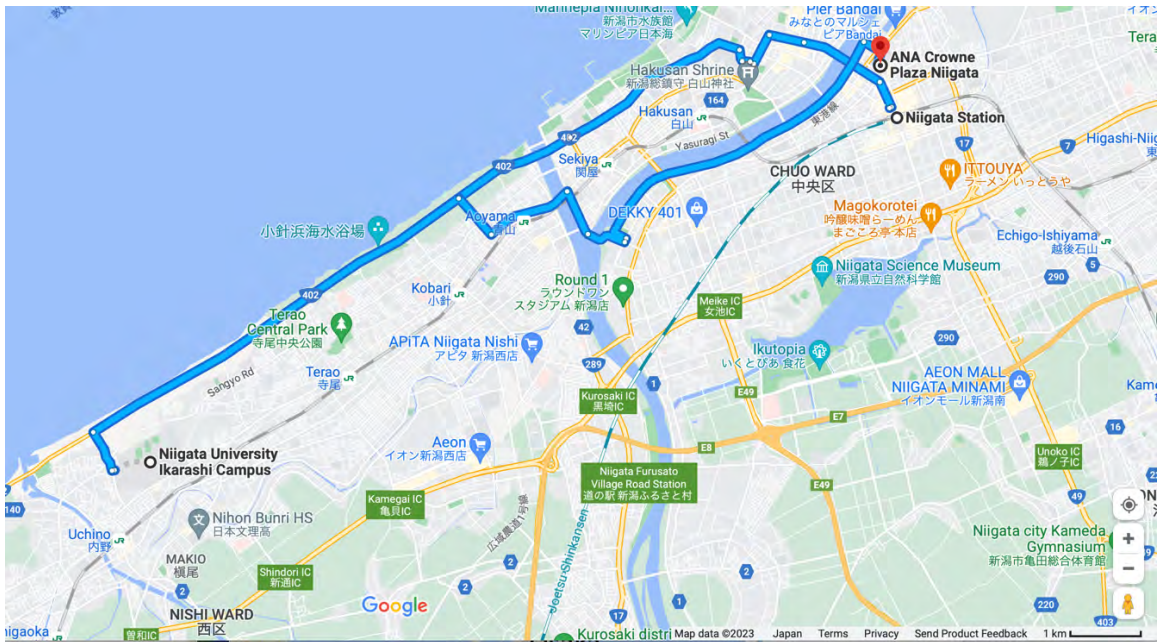
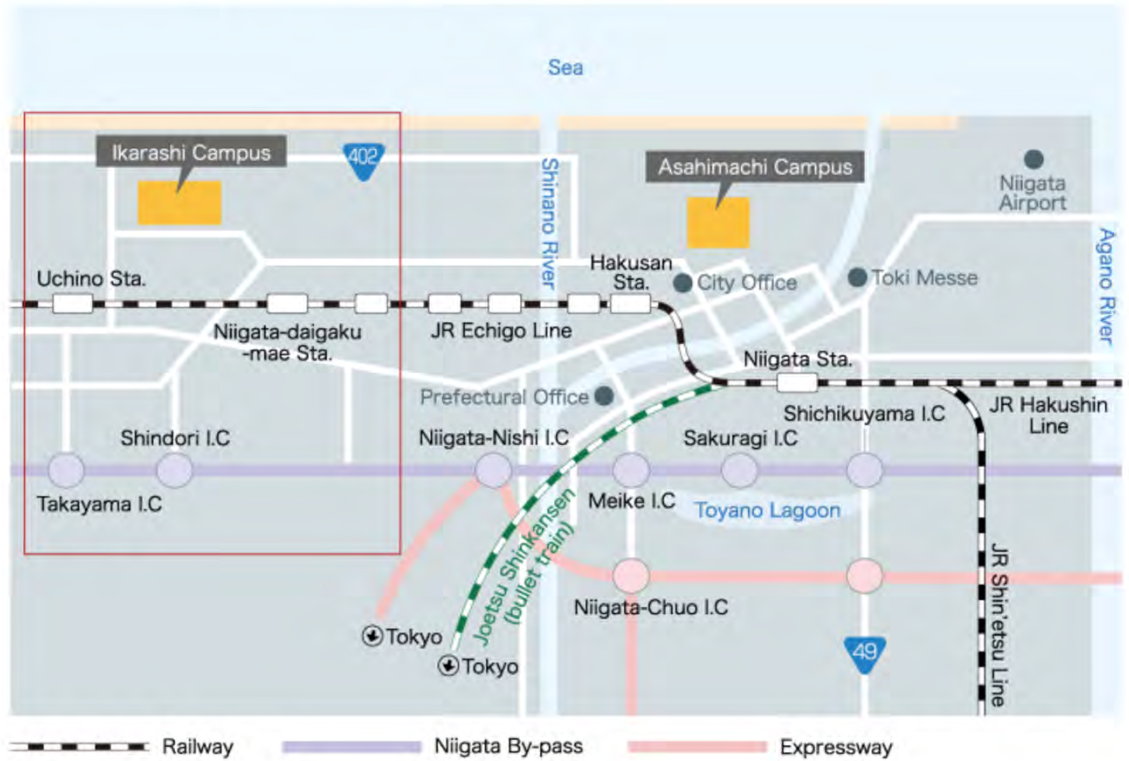
ACCESS TO NIIGATA UNIVERSITY

IMPORTANT INFORMATION ON TRANSPORTATION TO NIIGATA UNIVERSITY FROM NIIGATA CITY CENTER

Conference venue at Niigata University Ikarashi Campus is 40 minutes by drive away from city center and chartered busses to will leave ANA Crowne Plaza Niigata sharply at 8:20 AM on 8th and 8:00 AM on 9th October, 2023.

Access to Niigata University Ikarashi Campus

Directions from Central City



Ikarashi Campus Map

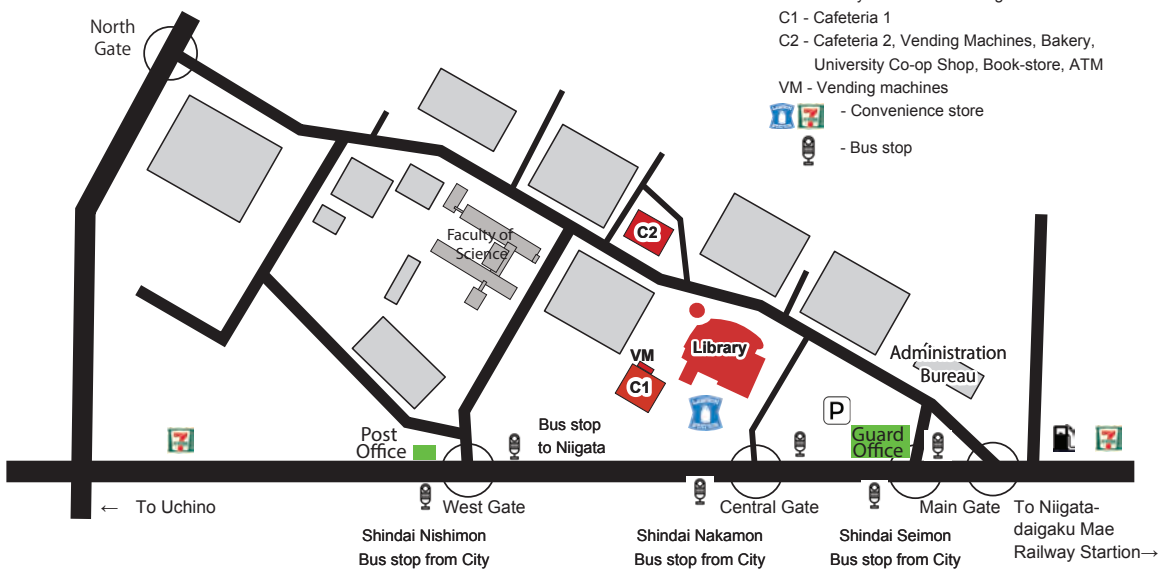
<https://www.niigata-u.ac.jp/en/access/ikarashi/>



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| <ul style="list-style-type: none"> 11 Institute of Humanities and Social Sciences Building Faculty of Law/Faculty of Economic Sciences/Asian Link Research Center 12 Faculty of Education Special Course for School Nurse-Teachers Professional School of Teacher Education Center for Teaching Profession 13 Graduate School of Modern Society and Culture 14 Faculty of Science Science Museum 15 Faculty of Engineering 16 Faculty of Agriculture 17 Graduate School of Science and Technology 18 Information Science and Technology University Institute Center 19 Science of Matter and Industrial Science University Institute Center 20 Life Science and Environmental Science University Institute Center 21 Environmental Science and Energy Science University Institute Center | <ul style="list-style-type: none"> 22 Administration Bureau Building 23 Shofu Hall 24 Yuhu Hall (Guest House) 25 Health Administration Center 26 University Library 27 Center for Academic Information Service Center for Diversity, Equity, and Inclusion 28 Research Institute for Natural Hazards and Disaster Recovery 29 Residence Halls 30 International House 31 Advanced Education and Research Building Faculty of Humanities/College of Creative Studies Career Support Office/Collaborative Education Support Office/ Student Support Desk/Admissions Office/International Office | <ul style="list-style-type: none"> 32 Joint Research Laboratory 2 33 Joint Research Laboratory 1 34 Guard House 35 Yukyu Hall 36 Research Collaboration and Promotion Office Sakeology Center 37 Center for Environment and Safety 38 Risk Management Center | <ul style="list-style-type: none"> 39 Co-op (Student Service Center) 40 Cafeteria No.1 41 Cafeteria No.2 42 University Hall 43 Cafeteria No.3 44 Gymnasium No.1 45 Gymnasium No.2 & No.3 46 Martial Arts Gymnasium 47 Strength & Conditioning Center 48 Lawson, Niigata University (On-campus convenience store) |
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Niigata University, Ikarashi Campus

- N1 - Faculty of Science building
- C1 - Cafeteria 1
- C2 - Cafeteria 2, Vending Machines, Bakery, University Co-op Shop, Book-store, ATM
- VM - Vending machines
- Convenience store
- Bus stop



REGISTRATION AND FIELD EXCURSION FEE

Registration fees and excursion fees should be paid in cash onsite during registration in Japanese yen.

Registration fee: Professional delegates: 25,000 JPY; Student delegates: JPY10000, including abstract volume, ice breaker, working lunch and refreshments for both days and a symposium banquet.

Excursion fee: JPY 30,000; including transportation, **budget** accommodation, and food, excluding alcoholic beverages (**Additional cost of 5,000 yen for those who prefer to stay at Kunitomi Annex hotel with hot springs, Alcoholic beverages for the dinner on 10th will cost additional 5,000 yen**)

FIELD EXCURSION

October 10 – 11, 2023

Excursion guided by T. Ogawara, H. Ueda, K. Kataoka, T. Kurihara, T. Takahashi and M. Satish-Kumar

The 2-day field excursion will focus on the Paleozoic to recent geology surrounding the Itoigawa UNESCO Global Geopark, which is located about 180 km southwest of Niigata. Situated exactly in the tectonic gap (called the Itoigawa-Shizuoka Tectonic Line; ISTL) between Northeast and Southwest Japan, the region is famous for understanding the geologic history of Japan, especially the Paleozoic and those relating to back-arc spreading and opening of the Japan Sea. The excursion may cover localities representative of geological features of proto-Japan, Paleozoic schist belts, serpentinite mélange, jade, Paleo-guyot, Cenozoic rift faults, Quaternary volcano and so on and include a visit to the Fossa Magna Museum. The schist zone is also known for its occurrence of blueschist and eclogite, though such outcrops require mountaineering skills to approach.

Niigata is generally pleasant in October, with temperatures dropping to around 10°C in the night, and without much rain. However, the participants are requested to carry windbreakers or raincoats and field shoes, as we have some walking along non-paved paths. With an overnight stay at Itoigawa City, we hope to give you a flavor of geological and cultural heritage of Niigata.

A tentative description of the localities planned for the excursion along with a schedule are given below. Please note that the localities and schedule given here are subject to changes, depending on the number of participants and weather conditions. We will provide a further detailed plan in the second circular.

Please note that the some narrow localities cannot accommodate the whole group at a single time. Field visits to such localities will be in 2 separate groups and in smaller vehicles.

Day 1 8:30 AM: Departure from Niigata (2.5 hours drive)

AM1 Fossa Magna Museum

Visiting a geological museum displaying rocks of highly diverse lithology from Paleozoic

to Cenozoic and their geological backgrounds in this area. Itoigawa is the first area in Japan that was accepted as a UNESCO global geopark, and the museum acts as its key station with staff of diverse specialties.

12:00-13:00: Lunch [Lunch Boxes will be provided and should be taken either in the outskirts of the Museum or in the bus in case of bad weather]

GROUP-A PM1 13:00-14:30 Omigawa Jade Gorge

Visiting a protected area of jadeite blocks from a serpentinite zone. Jadeites in this area have been dated as Cambrian, and considered as a product of metasomatism in an early Paleozoic wedge mantle. Jade gemstones were manufactured and traded in ancient periods since the New Stone Age (Jomon Period) in this area.

GROUP-B PM1 13:00-14:30 Omi River (at the juncture with Kanayama-dani river)

Here outcrops and large drifted blocks of the Carboniferous Omi crystalline schists, metagabbro and associated serpentinite. The schist zone is also known as a locality of blueschist and eclogite, though their outcrops are hard to approach and need mountaineering skills. The rock types in this locality record the early stages of the Japanese subduction zone.

GROUP-A PM2 14:30-16:00 Omi River (at the juncture with Kanayama-dani river)

GROUP-B PM2 14:30-16:00 Omigawa Jade Gorge

17:30 Arrive at Hotel

18:00 Excursion Banquet at Kunitomi Annex Hotel

Accommodation at Hotel Kunitomi Annex / Hotel Geopark

Day 2 Departure 9:00 AM

AM1 9:30-10:30 Fossa Magna Park Geosite-1

Walking a short trail crossing the Itoigawa-Shizuoka Tectonic Line (ISTL). ISTL is one of the largest faults in Japan, and acted as a wall of large-scale graben (Fossa Magna) formed during the opening of the Japan Sea in the Miocene. We'll visit an outcrop of fault gauge of ISTL along the contact between Permian metagabbro-sediment complex and Miocene volcanic rocks. Also seen is another outcrop of well-preserved pillow lava of the Middle Miocene age.

AM1 10:30-12:00 Fossa Magna Park Geosite-2

Visit Oyashirazu (dacite including garnet, brick tunnel etc.)

12:30-13:30 Lunch at Oyashirazu Pier Park [Lunch Boxes will be provided

13:30-15:00 PM Holocene lava flows of the Yakeyama Volcano

Having a touch with the termination of a thick dacite lava flow that erupted in the Middle Age (~800 years ago) from the summit of the active Yakeyama volcano. The lava is quite fresh and occasionally shows signs of mixing magmas of differing compositions.

15:30 Buses return back to Niigata arriving at Niigata at around 18:00

[There is an option of Drop off at Itoigawa Hokiriku Shinkansen station for those who like to go directly to Tokyo from Itoigawa]