



## ICHNIA 2024 Second Circular

### Welcome!

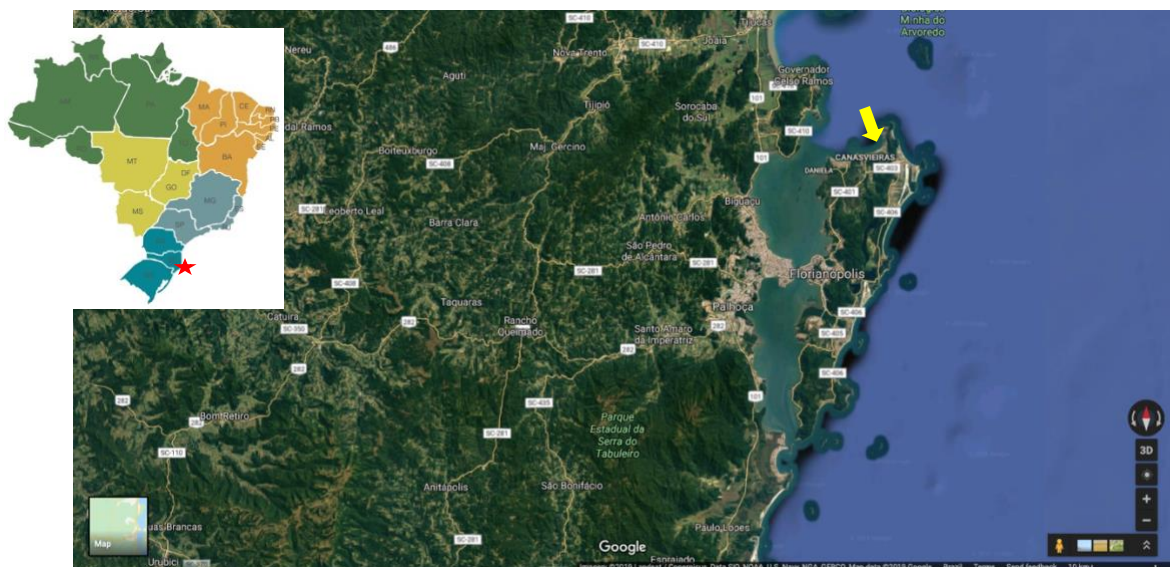
Every four years, ichnologists from around the world join in a selected place to discuss the progress of our science, share experiences and ideas, and celebrate One Ichnology! With the first edition in 2004 in Trelew, Argentina, ICHNIA – The International Congress on Ichnology took place in Krakow (Poland), Newfoundland (Canada), and Idanha-a-Nova (Portugal). Brazil had been chosen to house the fifth edition of ICHNIA, and we are proud to be the next hub of Ichnology and to share with you a few of the vast heritage of ancient and modern biogenic structures.

Welcome to Brazil! Welcome to ICHNIA 2024– The 5th International Congress on Ichnology!

### Venue and language

ICHNIA 2024 will be held on April 14-19, 2024, in Florianópolis, Santa Catarina State, southern Brazil, in the *Canto da Ilha Hotel and Convention Center*. The *Canto da Ilha Hotel* is a perfect place for ICHNIA 2024 as it provides single, double, and triple-based accommodation and has a good infrastructure of rooms and auditoriums for the meeting activities. It also counts with a pool area for relaxing and two soccer courts for our traditional ICHNIA Soccer Game. The hotel is surrounded by hills covered by the Mata Atlântica Rain Forest ecosystem and is 200 m from Ponta das Canas Beach. A natural mangrove strip extends in the backshore zone allowing observation of crabs in burrowing activity.

The official language of ICHNIA 2024 is English.



Location map of Florianópolis (red star) and the Canto da Ilha Hotel (yellow arrow). Credits: Brazil map from [multarte.com.br](http://multarte.com.br); Florianópolis map from Google Maps.

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### Accommodation

The *Canto da Ilha Hotel* will be the official house of ICHNIA 2024. To experience the spirit of One Ichnology! philosophy, the ICHNIA 2024 Organizing Team expects that all participants stay accommodated at the hotel during the whole event. All beds are equipped with private bathroom, local cable TV, fridge, and a balcony to the garden. Prices include free parking (if you come by car), free wifi, and a complimentary breakfast.

We strongly encourage you to stay at the Canto da Ilha Hotel to avoid transfers. Distances in Florianópolis are large and traffic can be heavy during rush hours. However, the Canto da Ilha Hotel is practically full, only a few rooms are available. Those who register late and prefer to book a room in the Canto da Ilha Hotel but could not be accommodated there will be contacted by the Secretary João Lima for an alternative hotel (Mighil Hotel), as follows:

Canto da Ilha Hotel:

Room type	Single	Double	Triple
Rate per night (plus 2.5% tax)	BRL 240,00	BRL 300,00	BRL 390,00

Mighil Hotel (prices valid only if the Canto da Ilha Hotel is full; breakfast and daily transfer hotel/congress/hotel included):

Room type	Single	Double	Triple	Quadruple
Rate per night (plus 2.5% tax)	BRL 290,00	BRL 350,00	BRL 440,00	BRL 500,00

Prices are expressed in Brazilian Real (BRL). Brazil does not operate formally with foreign currency, which implies that your payment must be made in Brazilian Real. Exchange rates varies daily in Brazil.

Click [here](#) to check the updated rates to convert BRL to your currency.

ICHNIA 2024 is a family-friendly event; children and companions are welcome.

### Registration

Registration in ICHNIA 2024, including short courses, workshops, and field trips, will be open until **March 15, 2024**. If you did not register yet, do not complete your registration yet, or want to include extra activities in your original registration, pay attention to this deadline. To include extra activities if you are already registered, please contact [ichnia2024@gmail.com](mailto:ichnia2024@gmail.com).

The registration fee includes all ICHNIA 2024 materials, access to the technical sessions and keynote talks, all coffee breaks and lunch meals, access to a co-working area, transportation, and meals during the intra-congress field trip. It also covers the ice-break reception, the Brazilian Night Party, and the Congress Dinner (beverages excluded or limited). The registration fee does not include accommodation, regular dinner meals, alcoholic drinks during lunch meals, field trips, workshops, and short courses. Companion fees include all coffee breaks and lunch meals, access to a co-working area, transportation and meals during the intra-



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congress field trip, and the social events. Workshop and short course fees include access to the activity, coffee breaks, and materials provided by leaders.

### Oral and poster presentation instructions

Oral talks will be given in English and will last 15 min plus 5 min for questions. Presenters will receive a communication by e-mail regarding the day and time of their talks. As ICHNIA 2024 does not have parallel sessions, time and hour may be re-scheduled in case of no-shows. The technical sessions schedule will be available after March 15, 2024, on ICHNIA 2024 website ([www.ichnia2024.com](http://www.ichnia2024.com)).

Posters must be vertically oriented (portrait orientation), with 90 cm wide and 160 cm long, printed in paper/fabric, without frame. Posters will be fixed by pins, thus a 1 cm-wide white border in all sides is required. It must be written in English, using Arial Rounded, Arial Unicode, or Arial lettering. ICHNIA 2024 official logo must be inserted in the superior left corner, aligned with the poster title. Students granted with IIA, IAS, and/or SEPM travel grants, must insert the respective logo(s) in the superior right corner, aligned with the title. The ICHNIA 2024 and sponsors official logos are available at <https://www.ichnia2024.com/ichnia-2024-timeline/ichnia-2024-second-circular-and-logos>. There is no printer service in Canto da Ilha Hotel or nearby; thus, bring your poster printed.

All posters will be exposed from April 15 to 19, 2024, and presenters are invited to stand on their posters every day as much as possible, for questions and discussions. Presenters will receive a communication by e-mail regarding the day that they should stand on their posters for official poster presentation. Poster presentation will last up to 10 min.

### Scientific activities

#### 1. Technical sessions and keynote talks

The technical sessions will occur on April 15, 16, 18, and 19, 2024, and will include oral and poster sessions, as well as keynote talks. The technical sessions will encompass four major themes: (paleo)biology, (paleo)ecology, (paleo)environmental reconstruction and stratigraphy, and new frontiers in Ichnology. The keynote talks will also consider these four major themes and will represent the diversity of thematic groups that compose the ichnological community.

#### *Keynote speakers and themes of the talks:*

- Dr. Giuseppe Leonardi, Universidade Federal do Rio de Janeiro (Brazil), *"Dinosaurs and mammal tracks, among caimans and piranhas, from the forest to the semi-desert"*.
- Dr. Karen Chin, University of Colorado Boulder (U.S.A.), *"Coprolite research: the rewards and challenges of unlocking information hidden within lithified feces"*.
- Dr. Ludvig Löwemark, National Taiwan University (Taiwan), *"Influence of bioturbation and trace fossils on paleoclimatic time series"*.



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- Dr. Koji Seike, Geological Survey of Japan, National Institute of Advanced Industrial Science and Technology (Japan), *"Neoichnology on marine deposits – beaches, shorefaces, and deep-sea floors"*.
- Dr. Anthony Martin, Emory University (U.S.A.), *"Popular Ichnology: toward a public awareness of our science"*.

## 2. Short courses and workshops

Short courses and workshops will occur between April 13-14, 2024. These activities will focus on themes that were claimed by the ichnocommunity, based on the comebacks to the perception survey that preceded this circular. Students are the main target of short course and workshop activities but do not exclude professional participants.

### *Short courses*

#### SC\_1 - Traces of Microbial-Substrate Interactions

**Lecturers:** Dr. Noelia Carmona (Universidad Nacional de Río Negro, Argentina) and Dr. Renata G. Netto (UNISINOS University/ICHNOS Research Group, Brazil)

**Date/Venue:** April 13<sup>th</sup>, 9 a.m. - 6 p.m., Canto da Ilha Hotel Convention Center

**Vacancies:** 29

#### SC\_2 - Ichnotaxonomy

**Lecturers:** Dr. Andrew Rindsberg (University of West Alabama, U.S.A.)

**Date/Venue:** April 13<sup>th</sup>, 9 a.m. - 6 p.m., Canto da Ilha Hotel Convention Center

**Vacancies:** 38

#### SC\_3 – Ichnology of paleosols

**Lecturers:** Dr. Mariano Verde (UDELAR, Uruguay) and Dr. Diego L. do Nascimento (UNESP/Rio Claro, Brazil)

**Date/Venue:** April 14<sup>th</sup>, 9 a.m. - 6 p.m., Canto da Ilha Hotel Convention Center

**Vacancies:** 35

#### SC\_4 – Application of X-radiography for Analysis of Ichnofabrics and Bioturbational Structures

**Lecturers:** Dr. Andreas Wetzel (University of Basel, Switzerland) and Dr. Ludvig Lowemark (National Taiwan University, R.O.C.)

**Date/Venue:** April 14<sup>th</sup>, 9 a.m. - 6 p.m., Canto da Ilha Hotel Convention Center

**Vacancies:** 33

### *Workshops*

#### WS\_1 - Taphonomy of Trace Fossils

**Workshop leaders:** Dr. Laura Piñuela (Museo del Jurásico de Asturias, Spain), Dr. Giuseppe Leonardi (UDFRJ, Brazil), and Dr. Daniel Sedorko (Museu Nacional/UFRJ, Brazil)



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**Date/Venue:** April 14, 2024, 9 a.m. - 6 p.m., Hotel Canto da Ilha Convention Center

**Vacancies:** 30

### WS\_2 - Insect-Plant Interactions

**Workshop leaders:** Dr. Conrad Labandeira (Smithsonian Institution, U.S.A.) and Dr. Romulo Cenci (UNISINOS, Brazil)

**Date/Venue:** April 15, 2024, 9 a.m. - 6 p.m., Hotel Canto da Ilha Convention Center

**Vacancies:** 37

## 3. Field excursions

- **FT\_1 – Continental Ichnology of the Botucatu Formation (Pre-congress field trip)**

The Cretaceous deposits of the Botucatu Formation contain a considerable record of vertebrate footprints, including dinosaurs and early mammals, and invertebrate traces. Giuseppe Leonardi originally studied part of these occurrences since 1977 and registered it in his “Annotated Atlas of South America tetrapod Footprints (Devonian to Holocene) with an appendix on Mexico and Central America.” In this 3-day tour, the participants will be guided by the sidewalks of Araraquara and São Carlos cities to see beautiful trace fossils preserved in the sandstone slabs used as pavement. Specimens of *Brasilichinum elusivum* and fascinating dinosaur tracks and trackways, as well as *Taenidium* and arthropod trackways and burrows, can be seen in this tour. A visit to local collections to see selected specimens and a tentative visit to a Botucatu sandstone quarry is also planned.

**When:** April 11-13, 2024

**Departure from:** Ribeirão Preto Airport (São Paulo State).

**Field trip fee:** R\$ 1,800.00 (Brazilian Real). The price includes transportation from/to Ribeirão Preto Airport, hotel accommodation (double-based), a field-trip guide, refreshments, and meals. Fees do not include air tickets to Ribeirão Preto and to Florianópolis (after the excursion), thus be aware that your return flight to Florianópolis includes a stopover in Ribeirão Preto Airport <sup>(1)</sup>. The excursion will depart early on April 11; thus, we recommend you arrive in Ribeirão Preto on April 10 <sup>(2)</sup>.

**Vacancies:** 32

1. The field trip will end at the Ribeirão Preto airport around noon. Please take it into account before purchase your air ticket to Florianópolis. 2. This hotel night is not included in the field trip fee.

- **FT\_2 – The ichnology of subtropical Atlantic beaches (Intra-congress field trip)**

Neoichnology is the scope of the intra-congress field trip when we will explore the biogenic structures currently made in some Florianópolis beaches, including backshore dunes, ephemeral lagoons, and subtropical mangrove/restinga margins. This field trip is open to all registered participants and is covered by the congress fees.



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Please select FT\_2 in the registration form if you plan to attend to let us know how many buses we will need for transportation. If you registered already and didn't select it, send a message asking to include you in the FT\_2 list.

- **FT\_3 – Invertebrate trace fossils from Southern Brazil (Post-congress field trip)**

The Paleozoic deposits of the Paraná Basin are rich in invertebrate trace fossils. They will be the focus of this 4-days tour post-congress field trip, and the participants will be guided to see the Brazilian occurrence of *Cruziana acacensis* used by Dolf Seilacher to calibrate the Silurian ichnostratigraphy. The localities of the Devonian crowded *Rosselia* ichnofabric, and the 'Zoophycos carnival' will also be visited, besides other areas with a rich Lower Paleozoic Cruziana Ichnofacies assemblage. You will also visit a few siltstones quarries rich in Gondwanan glacial trace fossil and plenty of microbially induced sedimentary structures (MISS). Localities with the post-glacial trace fossil assemblage will also be visited to see the impoverished marginal-marine and shallow marine trace fossil suites that followed a post-glacial marine transgression.

**When:** April 20-24, 2024

**Departing from:** Canto da Ilha Hotel, Florianópolis, SC

**Field trip fee:** R\$ 2,300.00 (Brazilian Real). The price includes transportation, hotel accommodation (double-based), a field-trip guide, refreshments, and meals. Fee does not include the hotel night for those leaving Brazil from Florianópolis on April 24. A drop-off at Curitiba airport around noon is planned for those who needs fly home on April 23.

**Vacancies:** 4

## ICHNIA 2024 Special Publication

We are planning to organize a special publication to publish full texts of the contribution to ICHNIA 2024. More information regarding this issue will be sent when available.

## Social events

As science is not everything in life, a little fun also does well. Thinking on this, the Organizing Committee is planning daily social events for your delighting, such as the ice-break reception (Sunday, April 14 evening), daily happy hours at the pool (after technical sessions), the ICHNIA Soccer Game, followed by a Brazilian Night Party (Wednesday, April 17 late afternoon-evening), and the conference dinner (Thursday, April 18 evening). In ICHNIA 2024 Soccer Game, **Gondwana** Team will play against **Laurasia** Team.

Touristic assistance will also be offered for those interested in exploring Florianópolis and its beautiful beaches before or after the meeting, or even extending the stay to visit other places in Brazil. If you have a particular interest, send a message to [ichnia2024@gmail.com](mailto:ichnia2024@gmail.com).

## Conveniences

Florianópolis is a big island, the distance between other hotels and the congress headquarters may be considerable, and the traffic on the island is heavy during rush hours. Also, the frequency of public transportation to the Ponta das Canas Beach is low, and most of the taxi drivers do not speak English (the





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same is true for restaurants and services, unfortunately!). Stay in another hotel might imply arriving late in the congress activities or be at risk for not be able to communicate in your way to the congress. Thus, for

safety and logistic reasons, we strongly recommended that all participants that will not stay in Canto da Ilha Hotel chose a place to stay nearby, preferentially one that you can go walking to the congress venue.

A few convenience stores, as well as pharmacy, mini-market, and gas station, can also be reached in the surroundings of the hotel.

### Meals

Lunch will be provided by ICHNIA 2024 at the hotel on April 15, 16, 18, and 19. For dinner, the restaurant at the hotel will offer a salad bar and a choice of hot menu for those that prefer to do not leave the hotel. There are some choices of bars and restaurants in a ray of 2 km from the hotel for those that prefer to go outside for dinner. Suggestions about the gastronomy and attractions on the island will be provided daily by the Organizing Team.

### Arriving in Florianópolis

There are three ways to arrive in Florianópolis: by car, by bus, or by plane. Those that will arrive by car must be aware that all traffic information is provided in Portuguese. If you are not able to understand it, bus or plane should be the best choices. You must be aware also to the speed limits, as the main road (BR-101 Road) that arrives in Florianópolis is full of speed controllers and the fines are expensive!

There is only one bus terminal and one airport in Florianópolis, so all buses and flights arrive in the same respective place. ICHNIA 2024 will provide transfers from the airport to the Canto da Ilha Hotel at your arrival. Please, send your flight number and arrival time to [secretary@ichnia2024.com](mailto:secretary@ichnia2024.com).

### Brazilian currency

Brazilian Real (BRL or R\$, as we represent it in Brazil) is the official currency in Brazil. Foreign currencies are not accepted in almost all places, so you need to have cash in Brazilian Reals. US Dollars and Euros (and traveler checks) can be exchanged in almost all exchange money shops, but they are far from the hotel. Thus, the best option is to change some amount of money at the airport when arriving and use an international credit or debit card. ATM cashiers are available at some places but are not common in the surroundings of the Canto da Ilha Hotel.

### Visit visa (VIVIS) and vaccination requirements

Please, check carefully if you are eligible for visiting Brazil without a visa at <https://www.gov.br/mre/pt-br/assuntos/portal-consular/QGRV/simplifying12JAN24.pdf>. If you need a visa, please ask it at the closest Brazilian consulate. We will be able to send an invitation letter by request, if necessary – ask at [ichnia2024@gmail.com](mailto:ichnia2024@gmail.com).



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Yellow Fever and Measles occur in some remote areas in Brazil. Vaccination is not mandatory but recommended. Be aware that you need to be immunized at least 10 days before your trip for Yellow Fever

and maybe two months for Measles. Also, there are some tropical diseases that are transmitted by *Aedes aegypti* mosquito (Dengue, Zika, and Chikungunya fevers). The use of insect repellent during the day is enough to protect you and is strongly recommended if you notice mosquitoes in the area. COVID-vaccine is not required for travelers anymore but recommended.

### Health insurance, medication, dietary restrictions

It is strongly recommended that you travel with health insurance. Bring all the medication of permanent use and those specific medicines that you must have for an emergency. Do not forget to bring the recipes, preferentially with the generic name of the active substance, in the case that you need to buy an extra supply. Dietary restrictions, as well as chronic diseases and allergies, must be informed to the Organizing Team. ICHNIA 2024 will not be responsible for any situation caused by the lack of these data.

Ready for ICHNIA 2024? We hope to see you in Brazil!

**ICHNIA 2024 Organizing Team**

