



## ICHNIA 2024 First 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

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.

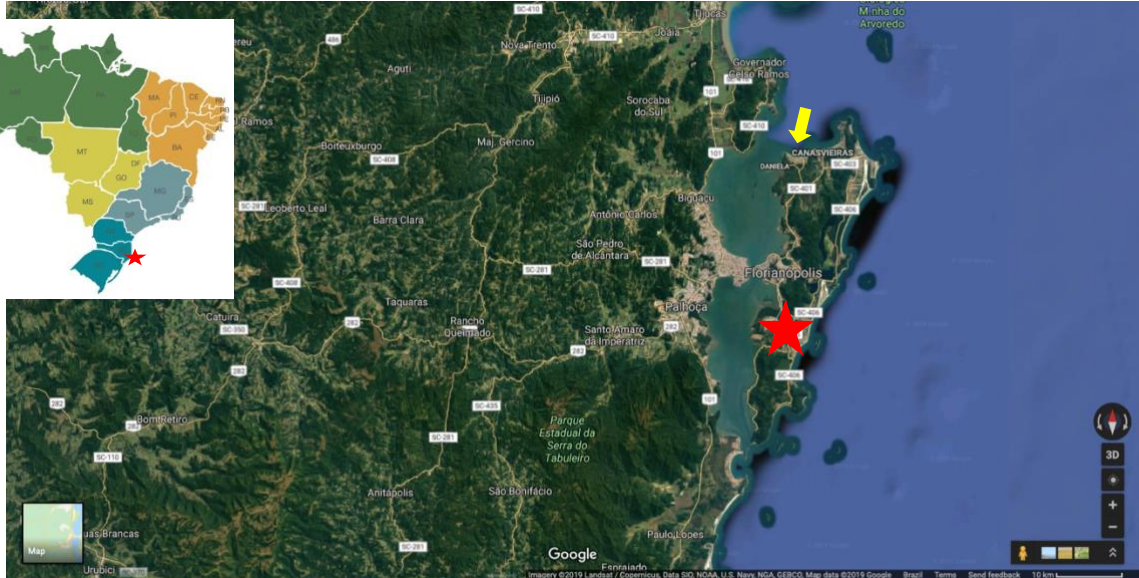
### Accommodation

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. The hotel counts with 48 rooms that offer single, double, or triple-based

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accommodation in single or double beds, 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.



Location map of Florianópolis (red star) and the Canto da Ilha Hotel (yellow arrow).

Credits: Brazil map from multarte.com.br; Florianópolis map from Google Maps.

Room reservations for ICHNIA 2024 will be available soon, along with registration. All detailed information will be provided in the 2<sup>nd</sup> circular and on the ICHNIA website, which we hope to launch in September 2024. ICHNIA 2024 is a family-friendly event; children and companions are welcome. 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. Consider that the ICHNIA 2024 schedule is tight, and we will start early! We got a very reasonable prices for accommodation during ICHNIA 2024, as follows:

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

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.

## 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 are open for contributions that discuss any



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topic of interest of Ichnology and 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 (tentative titles):*

- 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. Silvio Casadío, Universidad Nacional de Río Negro (Argentina), *"Cannibalism, parasitism, and commensalism in the Eocene marine Antarctic ecosystems: ichnological evidences"*.
- 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.

### 2.1. Short courses (to be updated in the second circular)

#### 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

**Minimum/maximum of participants:** 5/40

#### 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



**Minimum/maximum of participants:** 5/40

### 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

**Minimum/maximum of participants:** 5/40

### SC\_4 – New technologies in trace fossil analysis (to be confirmed in the second circular)

**Lecturers:** to be confirmed in the second circular.

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

**Minimum/maximum of participants:** 5/40

## 2.2. Workshops (to be updated in the second circular)

### WS\_1 - Taphonomy of Trace Fossils

**Workshop leaders:** Dr. Laura Piñuela (Museo del Jurásico de Asturias, Spain), Dr. Zain Balaústegui (Universitat de Barcelona, Spain) (to be confirmed in the second circular), Dr. Daniel Sedorko (Museu Nacional/UFRJ, Brazil)

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

**Minimum/maximum of participants:** 5/40

### WS\_2 - Insect-Plant Interactions

**Workshop leader:** Dr. Conrad Labandeira (Smithsonian Institution, U.S.A.)

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

**Minimum/maximum of participants:** 5/40

## 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).

**Estimated fee:** To be informed soon. The fee includes transportation from/to Ribeirão Preto Airport, hotel accommodation (double-based), a field-trip guide, refreshments, and meals.

**Minimum/maximum of participants:** 17/40

Fees do not include air tickets, thus be aware that your flight to Florianópolis includes a stopover in Ribeirão Preto Airport.

### 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.

Please select FT\_2 in the registration form if you plan to attend to let us know how many seats we will need for bus transportation.

### 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

**Estimated fee:** To be informed soon. The price includes transportation, hotel accommodation (double-based), a field-trip guide, refreshments, and meals.

**Minimum/Maximum of participants:** 10/20

## Registration

Registration in ICHNIA 2024 will be open in September 2024 and considers three main categories: student (including post-doc), professional, and companion. IIA members will have a 20% discount for two years of membership (2022-2023) and 10% for one year of membership (2023). To apply for the discount, you must send your payment receipt to [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, and the ice-break party. The registration fee does not include accommodation, 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-congress field trip, and the ice-break party. Workshop and short course fees include access to the activity, coffee breaks, and materials provided by leaders (digital format). Detailed information about ICHNIA 2024 registration, abstract submission, and fees will be informed in the second circular.

## Abstract Submission

The Scientific Committee is pleased to invite authors to submit their abstracts of original contributions to the field of Ichnology and related areas for oral and poster presentations to be delivered at ICHNIA 2024.

### *Guidelines for the Abstract Structure:*

Abstracts must be written in Times New Roman 12 pt and may include figures (maximum 2), tables (maximum 1), and references, considering up to three pages in extension. The text (including figures and tables) should be justified.

- Title of presentation:** Please choose a brief, non-descriptive title that clearly indicates the content of the contribution.
- Authors:** Please include name and surname only; middle names should be indicated by the initials only.
- Affiliation:** Please include only the institution name and e-mail address. Superscript numbers should indicate different affiliations.
- Text:** The text must contain a short introduction highlighting the scientific problem, the objectives of the contribution, and the study novelty. Then, describe how the study was conducted, including a short geological setting. After that, describe the results with discussions, presenting the main conclusions (or final remarks). The citations must be numbered with the format [1] by order of appearance and listed at the end of the text. Abbreviations may be used in the text if they are defined when first used.
- Figures and tables:** Figures should be presented in colors and might have enough print quality (minimum 300 dpi). It must be inserted in the text, as well as tables. The tables should be formatted as clean as possible. The abstracts will be available on the ICHNIA 2024 website, and tables can lose format when



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inserted in the webpage.

6. **Reference list:** Please, follow the form below:

### REFERENCES

[<sup>1</sup>] Silva, J.; Smith, J. 2018. Title of the paper, Journal, v.1. p. 222-233.

[<sup>2</sup>] Rubber, J.; Mengue, J.S.; Silva, M.P. 2017. Title of the paper, Journal, v.1. p. 222-233.

[<sup>3</sup>] Soulier, J. 2019. Title of the paper, Journal, v.1. p. 222-233.

After finishing your abstract, save it in a Word file tagged with the authors' name, as indicated below. If you plan submit more than one contribution, include numbers at the end of the file tag to differentiate the files.

Include in the tag the wished type of presentation (oral or poster).

Examples:

- Smith\_oral.docx - in de case of a unique author
- Smith&Jones\_poster.docx - in the case of two authors
- Smith\_et al\_oral\_1.docx - in the case of three or more authors

In search to promote the **One Ichnology!** philosophy, ICHNIA prefers not to offer parallel sessions. Thus, the number of oral presentations is limited to ~80, but poster presentations are unlimited. Authors are free to submit as many abstracts for oral presentation as they desire, but there is no guarantee that they will be accepted in this format. The final decision about oral or poster presentation is taken by the Scientific Committee, based on the following criteria: overall scientific impact, the novelty of the contribution, and data and conclusions robustness. The Scientific Committee may use additional criteria. Be aware of this when preparing your contributions!

## ICHNIA 2024 Special Publications

We are planning to organize special issues in ichno-friendly journals to publish full texts of the contribution to ICHNIA 2024. More information regarding this issue will be available in the second circular.

## 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 (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. Chose a team and start practice! ICHNIA Soccer Game is ageless and accepts male and female players without any distinction!

Touristic assistance will also be offered during the meeting for those interested in exploring Florianópolis and its beautiful beaches or extending the stay to visit other places in Brazil.



## 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 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 being able to communicate in your way to the congress. Thus, for safety and logistic reasons, it is strongly recommended that all participants stay in Canto da Ilha Hotel.

### *Meals and conveniences*

Lunch will be provided by ICHNIA 2024 at the hotel. 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.

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

### *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. For now, ICHNIA 2024 will provide transfers airport/hotel/airport but will have people in the Hercílio Luz Airport (Florianópolis) to assist the participants with transfer options. If this situation change you will be informed before your arrival.

### *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.

### *Visit visa (VIVIS) and vaccination requirements*

Please, check carefully if you are eligible for visiting Brazil without a visa, and if you need a particular type of visa to come for a congress **before** planning your trip. Detailed information can be obtained at





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[https://en.wikipedia.org/wiki/Visa\\_policy\\_of\\_Brazil#Visa\\_policy\\_map](https://en.wikipedia.org/wiki/Visa_policy_of_Brazil#Visa_policy_map). The Secretary will be able to send an invitation letter by request, if necessary – ask at [ichnia2024@gmail.com](mailto:ichnia2024@gmail.com).

Yellow Fever and Measles occur in some 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* mosquitoes (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 in the subscription form. 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**

