



15th International Conference on Thermochronology Maresias, Brazil, 18-23 September 2016

3rd Circular

Introduction to the conference

[https://thermo2016.rc.unesp.br/
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The International Conferences on Thermochronology

The bi-yearly International Conference on Thermochronology grew out of the international workshops on Fission-Track Thermochronology, which have been held since 1978, and the European workshops on Thermochronology. It is the only forum where thermochronologists can discuss fundamental and methodological issues related to their science and its future.

Venue

The conference will take place in the Maresias Beach Hotel, on the Maresias Beach, São Sebastião, a small seashore county located 180km northwest of São Paulo and 400km southwest of Rio de Janeiro. At the northern shores of São Paulo State, one still finds beaches where human occupation is controlled and construction of high-rise buildings is forbidden, giving the region a charming and rustic atmosphere.

The hotel is offering very special conditions for the participants of the event, so it is important to make an early reservation due the limited number of places. The price include full meal (breakfast, lunch and dinner) and you will not find all this conditions for the price they are offering in any other hotel around. For further information and booking/room reservation, please directly contact the hotel on their website mentioning the Thermo2016 event. [Maresias Beach Hotel](#)

Visa information for international participants

On a reciprocity basis, citizens from many countries do not need a visa to visit Brazil. However, citizens from Australia, Canada, China, Japan, Mexico, Singapore, USA and others must have a

visa. Please inquire the closest Brazilian Consulate in your country for further information (see www.embassiesabroad.com/embassies-of/Brazil). The visa application may take up to 3 months to be processed. An invitation letter from organizing committee will be send on request as soon the registration is confirmed.

Registration

Registration is now open. Registration fees will be as follows:

VAT incl.	Until 15 April 2016	From 16 April to 31 July 2016	During the event
Regular attendee	R\$1710 (380,-€)	R\$2340 (520,-€)	R\$3150 (700,-€)
Student (undergraduate, graduate and PhD students)	R\$1125 (250,- €)	R\$1395 (310,-€)	R\$2,835 (630,-€)
Accompanying person*	R\$900 (200,- €)	R\$900 (200,-€)	R\$900 (200,-€)

*Kids between 5 to 12 years old: 100,- €

**Prices in Real for Brazilian participants only

Registration fees include:

Sessions, Ice breaker, coffee break, one day excursion, conference dinner

Fees for accompanying person included, Icebreaker, 1 day excursion and conference dinner, with no access to the scientific sessions.

We are exploring the possibility of offering partial financial support to students and a select group of young scientists interested to attend the Conference. We will not guarantee that all applicants will be accepted.

RULES FOR YOUNG SCIENTISTS SUPPORT

Students and young scientist interest in financial support should send the following documents to: thermo2016@gmail.com:

- Personal Data (Name, affiliation, address and email address)
- Short CV with the list of main publication
- Abstract submitted on the event
- Prove of student condition or postdoc position
- Short motivation letter describing why your participation on Thermo2016 is important.

Candidates should be already registered on the event to be qualified for the grant.

Abstract submission

Abstract submission will be available from 1st February to 15 April 2016. Only one abstract can be submitted for each author. Oral presentations may be requested, but are not guaranteed as its will be assigned by the sessions chairs and it will be based on the total number of submissions received for each session.

Instructions for presentations

General information for oral sessions

All Keynote lectures will be 30 minutes. Talks (including invited talks) will last 20 minutes (15 minutes, 5 minutes for discussion).

It will be available on the conference room, a projector and a laptop for video projection.

The speakers should contact Local Organizing Committee one day before the scheduled presentation. Our staff will receive all presentations in order to prepare the equipment at the conference room the following day. The presentation should be on a USB stick. The schedule of oral sessions is very tight, so please avoid delays by providing everything to our staff on the previous day of your presentation.

General information for poster sessions

The posters should have the following dimensions: 90 cm width by 120 cm height. The width of 90 cm may not be exceeded and will be enforced if necessary. Posters have no other restrictions. The presenters of poster contributions are encouraged to follow the recommendations below:

- Install the poster during the morning coffee break of the day indicated in the program of the conference.
- Take into account that posters must be readable at 1 m distance when choosing font size, etc.
- The authors are expected to attend their poster sessions, as it will be indicated in the agenda.
- If you have any questions please feel free to contact us on thermo2016@gmail.com

Conference timetable

Time	Sun	Mon (Methods Day 1)	Tue (Methods Day 2)	Wed (Field Trip Day 3)	Thu (Application day 1)	Fri (Application day 2)
08:00	Arrival of the Pre-Conference Field Trip	Opening Ceremony of the Thermo 2016		Field Trip Day		
08:30		Keynote lecture Ar/Ar and Fission track system	Keynote lecture Diffusion in minerals: what controls it and how to measure it		Keynote lecture "Post-orogenic" settings (cratons, passive margins etc) & long-term landscape evolution	Keynote lecture Basin evolution and thermal histories
09:10		talks of session 1 - Ar/Ar thermochronometry	talks of session 4 - Diffusion in minerals		talks of session 7 - "Post-orogenic" settings & long-term landscape evolution	talks of session 9- Basin evolution and thermal histories
10:30		coffee break	coffee break		coffee break	coffee break
11:00		talks of session 2 - Fission Track System	talks of session 5 - Numerical methods: modelling of data and processes		talks of session 7 - "Post-orogenic" settings & long-term landscape evolution	talks of session 9- Basin evolution and thermal histories
12:00		Lunch	Lunch		Lunch	Lunch
13:30		Keynote lecture (U-Th-Sm)/He system	Keynote lecture New developments, techniques, methods, what's in the pipeline		Keynote lecture Orogenesis & Long-term landscape evolution	Keynote lecture Mineralizations
14:10		talks of session 3 - (U-Th-Sm)/He system	talks of session 6 - (U-Th-Sm)/He system		talks of session 8 - Orogenesis & Long-term landscape evolution	talks of session 10- Mineralizations
15:30		coffee break	coffee break		coffee break	coffee break
16:00	Registration	White paper/break out sessions; 1. machines, measuring things etc. 2. calibration/standards etc., 3. statistics, thermal modelling nuts & bolts etc	Poster session	White paper/break out sessions; 1. machines, measuring things etc. 2. calibration/standards etc., 3. statistics, thermal modelling nuts & bolts etc	Poster session	
17:30						
18:00					Presentation of future conferences	
19:00		Dinner	Dinner	Dinner	Dinner	Closure, Student prizes
20:00	Ice Breaker	Evening debate sessions (With caipirinha and other drinks)	Poster session (With caipirinha and other drinks)	Committee meetings, prize awards etc	Evening debate sessions (With caipirinha and other drinks)	Conference Dinner

SATURDAY 24 SEPTEMBER: Short courses (to be defined)

PRE-CONFERENCE FIELD TRIP

Limited to 40 participants and confirmation after payment of both, conference and excursion fees. The price for the excursion is 600-€, including transport, hotels and meals

Thursday 15 - Sunday 18 September

The four-day pre-conference field trip will consist of some transects from Rio de Janeiro, Volta Redonda-Resende, Itatiaia and Poços de Caldas alkaline massives. These transects will cut the main geological and geomorphological sites of Brazilian Southeast, like Serra do Mar and Mantiqueira Mountain Ranges, the Tertiary basins of Volta Redonda and Resende, and two major Late Cretaceous alkaline massives. The field trip will start from Rio de Janeiro on the morning of Thursday 15th September and will finish at the Beach Hotel in Maresias mid-afternoon on Sunday 18th September.

Preliminary Programme:

Thursday 15th September: Departure from Copacabana beach, Rio de Janeiro. We will see the local and regional geology of the city, view of Sugar Loaf and Gávea Stone and other important settings related with geomorphological and thermochronology studies in the area. Overnight in Teresópolis (Serra dos Orgãos).



View of Pedra da Gávea (Gávea Stone) Rio de Janeiro - Composed of granite and gneiss, its elevation is 844 metres (2,769 ft), making it one of the highest mountains in the world that ends directly in the ocean.

Friday 16 September: Departure from Teresópolis, to the Serra dos Orgãos view, then the excursion follows to the Volta Redonda and Resende Basins, finishing in Mantiqueira Mountain Range, overnight in Itamonte.



Overview of Serra dos Orgãos (Teresópolis) that is part of Serra do Mar in Rio de Janeiro State.

Saturday 17 September: Departure from Itamonte to Itatiaia National Park. Itatiaia and Passa Quatro alkaline intrusions are located on the Serra da Mantiqueira Mountain range. It is one of the most elevated compartments of the entire oriental sector of the Brazilian shield. The alkaline intrusions of nepheline syenites dated from the end of the Cretaceous and the Beginning of the Cenozoic (Marques Neto et al 2015)

Overnight in Poços de Caldas city.



Passa Quatro Massif view from the Itatiaia Massif on Serra da Mantiqueira Mountain Range

Sunday 18 September: Departure from Poços de Caldas to see the sediments of Botucatu formation inside de caldera area. Pseudotachylites in Bragança Paulista and arrival in Maresias Beach Hotel.



View of Sul de Minas Plateau from the top of northern part of Poços de Caldas Alkaline massif

Field trip leaders: Peter C. Hackspacher (UNESP), Daniel Franoso de Godoy (UNESP), Carolina Doranti Tiritan (UNESP), Miguel Tupinamba, (UERJ)

View field-trip itinerary [here](#)

As the field trip will start on Thursday morning 15th September, participants should plan to arrive in Rio de Janeiro on Wednesday evening (14th September) at the latest. We suggest hotels in Copacabana region as the meeting point for the departure is in front of the JW Marriot Hotel (Avenida Atlantica, 2600, Copacabana, Rio de Janeiro).