



14th International Conference on Thermochronology

Chamonix, France, 8-12 September 2014

Second Circular and Call for Abstracts

The 14th International Conference on Thermochronology will be held from 8 to 12 September 2014, at the Chamonix Mont-Blanc Congress Center, France. This meeting will be focused on the theory and application of fission-track, noble gas, and other innovative thermochronometric approaches.

The purpose of the conference is to bring together the active international thermochronology community to exchange ideas on the latest developments and discuss important aspects of thermochronology and its modern applications in the Earth and related sciences. The meeting will also include a pre-conference field trip in the Alps and post-conference workshops on modeling thermochronology data.

We invite all members of the international thermochronology community and all interested in thermochronological approaches to participate in the conference. Abstracts can now be submitted through the conference website:

<http://www.thermo2014.fr>

Conference Program

The 14th International Conference on Thermochronology will be focused on eight broad themes. The conference format is tuned to a restricted number of oral presentations by keynote and invited speakers who are leaders in the field, with extensive discussions.

Keynote and invited speakers

The following speakers will present the eight themes:

- **New analytical developments in thermochronology**
Keynotes: Kip Hodges (Arizona State University, USA), Ray Donelick (Apatite to Zircon Inc., USA)
Invited speaker: David Chew (Trinity College Dublin, Ireland)
- **Data, Models and Interpretation**
Keynotes: Richard Ketcham (University of Texas at Austin, USA), Barry Kohn (University of Melbourne, Australia)
- **Noble-gas diffusion (He, Ne, Ar) applied to thermochronology**
Keynotes: Ken Farley (California Institute of Technology, USA), Laurent Tassan-Got (Université Paris-Sud, France)
Invited speakers: William Guenther (University of Illinois, USA), Clare Warren (Open University, UK)
- **New quantitative tools and approaches in geomorphology**
Keynotes: Frédéric Herman (Université de Lausanne, Switzerland), David Shuster (University of California Berkeley, USA)
Invited speaker: Pierre-Henri Blard (CRPG-CNRS Nancy, France)
- **Thermochronology in active orogenic belts**
Keynote: Mark Brandon (Yale University, USA)
Invited speaker: Barbara Carrapa (University of Arizona, USA)
- **Thermochronology applied to geo-resources**
Keynote: Adriano Viana (Petrobras, Brazil)
Invited speaker: David Schneider (University of Ottawa, Canada)
- **Thermochronology of sedimentary basins**
Keynote: John Garver (Union College, USA)
Invited speaker: Mark Naylor (University of Edinburgh, UK)
- **Landscape evolution on different timescales**
Keynotes: Jean Braun (University of Grenoble, France), Todd Ehlers (Universität Tübingen, Germany)
Invited speakers: Rebecca Flowers (University of Colorado, USA), Paulo Vasconcelos (University of Queensland, Australia)

Round Tables

We will organize a number of round-table discussions during the meeting covering the following topics:

- **Image analysis in thermochronology**
- ***In-situ* noble-gas dating**
- **Annealing/diffusion kinetics and thermal models**
- **Thermochronology databases**
- **Treating detrital thermochronology data**

Abstract submission

Most non-solicited contributions will be considered as posters. Ample time will be available for the poster sessions and exhibitions.

We invite you to submit your communication on the online [abstract submission form](#). Only one abstract can be submitted for each author. **Deadline for abstract submission is April 1, 2014.**

Conference timetable

FRIDAY 5 - SUNDAY 7 SEPTEMBER:

Pre-conference field trip through the Western Alps. The field trip will start from Grenoble on the Morning of September 5 and finish in Chamonix mid-afternoon on September 7. The field-trip will consist of a cross-section between Grenoble and Torino (Friday, Saturday) followed by a traverse of the Aosta Valley up to Chamonix (Sunday). Further details will be provided on the Conference website.

SUNDAY 7 SEPTEMBER:

16:00-18:00: Registration in the Chamonix Mont-Blanc Congress Center

18:00: Icebreaker reception at the Chamonix Mont-Blanc Congress Center

MONDAY 8 SEPTEMBER:

8:30: Conference opening

9:00-18:00: Oral presentations, poster session and round-table discussions

18h30: Laslett medal lecture

TUESDAY 9 SEPTEMBER:

8:30-18:00: Oral presentations, poster session and round-table discussions

19:30: Tour of the mountain and mineralogy museum "Espace Terraz" and tasting of local products.

WEDNESDAY 10 SEPTEMBER:

One-day field trip in the Mont-Blanc massif (transport by cable car, rack-and-pinion railway, hiking).

THURSDAY 11 SEPTEMBER:

8:30-18:00: Oral presentations, poster session and round-table discussions

18h30: Dodson medal lecture

FRIDAY 12 SEPTEMBER:

8:30-17:30: Oral presentations, poster session and round-table discussions

17:30-18:30: Student awards and Conference closure

20:00: Conference banquet, "Cap Horn" restaurant

SATURDAY 13 - SUNDAY 14 SEPTEMBER:

Short courses on low-temperature thermochronology and modeling. Several short-courses are planned on fission-track and noble-gas modeling techniques as well as thermo-kinematic modeling approaches. More details will be provided on the conference website.

Venue

The conference will take place in the [Chamonix Mont-Blanc Congress Center](#). Chamonix is a popular resort town at the foot of Mont Blanc, with a wide range of accommodation options, from youth hostels to 5-star hotels. It is a very popular destination both in winter and summer as it offers countless opportunities for skiing, mountaineering, adventure sports or just relaxing. More information on Chamonix and its surroundings can be found on the [tourist office website](#).

We will be offering accommodation in different classes of hotels at negotiated prices, which you will be able to reserve via the conference web site when you register.

The closest international airport for Chamonix (at 85 km distance) is [Geneva](#), with direct international connections to most European countries, USA/Canada, the Middle East and

China. We will organize a shuttle-bus service from Geneva airport to the Congress Center on Sunday 7 September, with a return on Saturday 13 September. A commercial shuttle bus service also exists. Other international airports that you can use are Lyon or Milano.

Direct fast trains (TGV) run from Paris to Saint Gervais les Bains, 20 km from Chamonix, with a slow-but-scenic (45 min.) mountain-train connection between the two sites. Information about train travel and bookings can be found on the French National Railway Company [SNCF website](#).

More detailed information on Chamonix and how to get there is provided on the Conference web site.

Our logistical partner *Insight Outside* will set up a service for those requiring visas.

Registration

Conference registration will open on March 1, 2014. Registration fees will be as follows:

<i>VAT incl.</i>	Before 15 April 2014	From 15 April to 15 June 2014
Regular attendee	375,- €	425,- €
Student	300,- €	350,- €
Accompanying person	175,- €	200,- €

Registration fees include: access to conference and all sessions, welcome package, breaks, tour of the mountain and mineralogy museum "Espace Terraz" with tasting of local products on Tuesday 9 September, one day field-trip to the Mont-Blanc on Wednesday 10 September, banquet ceremony on Friday 12 September. **Registration fees do not include:** pre-conference field trip, lunches, post-conference short-course.

Fees for accompanying persons include: tour of the mountain and mineralogy museum "Espace Terraz" with tasting of local products on Tuesday 9 September, one day field-trip in the Mont-Blanc on Wednesday 10 September, banquet ceremony on Friday 12 September.

Organizing Committee:

- Jocelyn Barbarand, Université Paris Sud, Orsay
- Matthias Bernet, Université Joseph Fourier, Grenoble
- Stéphanie Brichau, Université Paul Sabatier, Toulouse
- Kerry Gallagher, Université de Rennes 1
- Cécile Gautheron, Université Paris Sud, Orsay
- Raphael Pik, Centre de Recherches Pétrographiques et Géochimiques, Nancy
- Peter van der Beek, Université Joseph Fourier, Grenoble

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