



9th-11th JULY 2024

DRT-2024 – THIRD CIRCULAR

**24th International Conference on Deformation
Mechanisms, Rheology and Tectonics**

The DRT Conference is a biennial international conference that has been held for nearly 50 years. It is organized and hosted by academic staff from different European universities and research centres. DRT stands as a prominent global platform for presenting and discussing research within the realms of rock rheology, structural geology, tectonics, microstructures, rock physics, and the interactions between deformation and metamorphic/diagenetic reactions. The 24th DRT meeting will take place at the Faculty of Earth Sciences of the University of Barcelona (UB) and is organized by researchers from the Geosciences Barcelona Institute (Spanish National Research Council, CSIC), and academic staff from the Faculty of Earth Sciences of the UB and from the Department of Geology of the Autonomous University of Barcelona (UAB). This edition will continue with the traditional DRT topics, focusing on the study of deformation of rocks from the micro- to the large-scale.

The organizing team is looking forward to seeing you in Barcelona!

More information at: <https://drt-society.org/conferences/barcelona-2024/>



Organising Committee

GEO3BCN CSIC:

- María-Gema Llorens (DRT-Society President)
- Jaume Vergés
- Juan Alcalde
- Montserrat Torné
- Estefanía Bravo
- Ivone Jimenez Munt
- Silvia Zafrilla
- Eloi Gonzalez Esvertit
- Yuanchao Yu
- Paula Herrero
- Daniel García Castellanos
- Joaquina Álvarez Marrón
- Dennis Brown
- David Cruset

University of Barcelona (UB):

- Enrique Gomez-Rivas
- Pablo Martínez Granado
- Claudia Prieto-Torrell
- Baoqin Hao
- Gabriel Cofrade

Autonomous University of Barcelona (UAB):

- Albert Grieria

Scientific Committee

The scientific committee is composed of the members of the organizing committee plus the DRT-Society board:

- Paul Bons (DRT-Society Vice-President), University of Tübingen, Germany
- Gaetano Ortolano (DRT-Society Treasurer), University of Catania, Italy
- Eugenio Fazio (DRT-Society Secretary), University of Catania, Italy
- Tamara de Riese (DRT-Society Early career rep.), University of Tübingen, Germany
- Pengfei Li (DRT-Society China Liaison), Chinese Academy of Science, China
- Manish Mamtani (DRT-Society India Liaison and IASGT president), IIT Kharagpur, India

Conference Programme

Sunday 7th and Monday 8th: Pre-conference field trip to the Southern Pyrenees

Monday 8th July: Pre-conference workshops at 15:00. Icebreaker reception (from 18:30– Faculty of Earth Sciences, University of Barcelona)

Tuesday 9th July: Opening ceremony and oral and poster sessions (Faculty of Earth Sciences, University of Barcelona- Aula magna)

Wednesday 10th July: Oral and poster sessions. (Faculty of Earth Sciences, University of Barcelona - Aula magna). DRT -Society Assembly. Conference dinner (from 20:00)

Thursday 11th July: Oral and poster sessions. Best poster and talk award ceremony and closure ceremony (Faculty Earth Sciences, University of Barcelona - Aula magna)



The icebreaker reception, coffee/tea breaks, lunches during the conference, poster and oral sessions will be held at the Faculty of Earth Sciences of the University of Barcelona (Aula Magna and corridors on the ground floor). Address: Carrer de Martí i Franquès s/n, 08028 Barcelona.

Pre-conference Fieldtrip

Sunday 7th and Monday 8th July: The main plan of this fieldtrip to the South Pyrenean Fold Belt is to have an overview of a fold and thrust belt and adjacent foreland basin through four well-exposed and well-known localities. Each example allows discussing different geological processes related to the interplay between tectonics and sedimentation and the role of salt-tectonics during both pre-compression rifting and during tectonic inversion. [Click here](#) to download a flyer of the pre-conference fieldtrip. **The bus will depart from the Faculty of Earth Sciences of the University of Barcelona (where the rest of the conference will take place) at 8:15 am on the 7th.** The return trip will be on the 8th at 18:30 to the faculty. At that time, the icebreaker will begin there. **The excursion includes accommodation for the night of the 7th to the 8th in Solsona, as well as meals and entry to the Cardona mine.**

Pre-conference Workshops

Uncertainty in geology and geophysical interpretation (Monday 8th July at 15:00): This workshop will delve into these aspects through the lens of seismic interpretation, emphasizing the impact of uncertainty on the geological knowledge generation process, while offering insights and strategies for navigating this challenge. **The workshop will take place at the Geociences Barcelona Institute, located in front of the Faculty of Earth Sciences (Carrer de Lluís Solé i Sabarís s/n, Barcelona) at 15:00.**

Analogue modelling (Monday 8th July at 15:00). The Geomodels Analogue Modelling Lab of the University of Barcelona consists of a series of modular modelling tables and software designed to simulate, record, preserve and study in 4D a wide variety of tectonic settings. The purpose of this workshop is showing the facilities and our modelling workflows to extract information from the analogue experiments. **The workshop will take place at the Geomod Lab at the Faculty of Earth Sciences at 15:00.**

Thematic Sessions and schedule

S1. Microtectonics, rheology and petrophysical properties of rocks and ice

S2. Numerical & analogue modelling of geological processes

S3. Large-tectonics and structural geology

S4. Salt tectonics

S5. Interaction between tectonics and surface processes. Neotectonics

S6. Interaction between tectonics, geofluids and mineral reactions

S7. Structural geology and geophysics for the Energy Transition

S8. Virtual Structural Geology

	Monday 8	Tuesday 9	Wednesday 10	Thursday 11
9:00		DRT WELCOME (9:00)	DRT UPDATE (9:00)	DRT UPDATE (9:00)
9:15		SOLICITED TALK S1 (9:15-9:45)	SOLICITED TALK S3 (9:15-9:45)	SOLICITED TALK S4 (9:15-9:45)
9:30				
9:45		Talks S1 (9:45-10:45)	Talks S3 (9:45-10:45)	Talks S4 (9:45-10:45)
10:00				
10:15				
10:30				
10:45		COFFEE BREAK + POSTER SESSION A (S1, S6, S7 AND S8) (10:45-11:15)	COFFEE BREAK + CHANGE POSTERS (10:45-11:15)	COFFEE BREAK + POSTER SESSION B (S2, S3, S4, S5) (10:45-11:15)
11:15				
11:30				
11:45		Talks S1 (11:15-12:45)	Talks S3 (11:15-12:45)	Talks S5 (11:15-12:30)
12:00				
12:15				Plenary discussion S4 & S5 (12:30-12:45)
12:30				
12:45				
13:00		LUNCH (12:45-14:00)	LUNCH (12:45-14:00)	LUNCH (12:45-14:00)
14:00				
14:15		Talks S1 (14:00-15:15)	Talks S3 (14:00-15:15)	Talks S6 (14:00-15:15)
14:30				
14:45				
15:00				
15:15		Plenary discussion S1 (15:15-15:30)	Plenary discussion S3 (15:15-15:30)	Plenary discussion S6 (15:15-15:30)
15:30		COFFEE BREAK + POSTER SESSION A (S1, S6, S7 AND S8) (15:30-16:00)	COFFEE BREAK + POSTER SESSION B (S2, S3, S4, S5) (15:30-16:00)	COFFEE BREAK + POSTER SESSION B + PICK UP POSTERS B (15:30-16:00)
16:00			Talks S2 (16:00-16:30)	
16:15				
16:30	WORKSHOPS UNCERTAINTY AND ANALOGUE MODELLING (15:00-18:30)	Talks S2 (16:00-17:15)	Plenary discussion S2 (16:30-16:45)	Talk S7+S8 (16:00-17:15)
16:45				
17:00			DRT business meeting + general assembly (16:45-17:30)	Plenary discussion S7+S8 (17:15-17:30)
17:15		DRT UPDATE (17:15-17:30)		
17:30				Poster awards and DRT CLOSING (17:30-17:45)
17:45		POSTER SESSION A (S1, S6, S7 AND S8) + EVENING RECEPTION (17:30-19:00)	POSTER SESSION B (S2, S3, S4, S5) + EVENING RECEPTION (17:30-19:00)	
18:00				
18:15				
18:30				
18:45	ICEBREAKER PARTY + REGISTRATION + POSTER SESSION A (S1, S6, S7 AND S8) (18:30-20:00)			
19:00				
19:15				
19:30				
19:45				
20:00			CONFERENCE DINNER 20:00	

Awards: best student talk and poster presentations

The decision panels for the awards for the best student poster and best student talk will be composed of three regular conference participants, who will be appointed on-site.

Webpage and social media

[DRT-Society site](#)

X [@DRTBarcelona24](#)

 [DRTBarcelona](#)

Important note: Clause on pre-conference fieldtrip registration: Fees for the pre-conference fieldtrip are non-refundable if a participant decides to cancel their registration after 31st January. The reason is that the organisers need to book fieldtrip accommodation and transportation long in advance. No reimbursement of registration fees will be done if the pre-conference fieldtrip finally does not take place due to a pandemic or other force majeure.

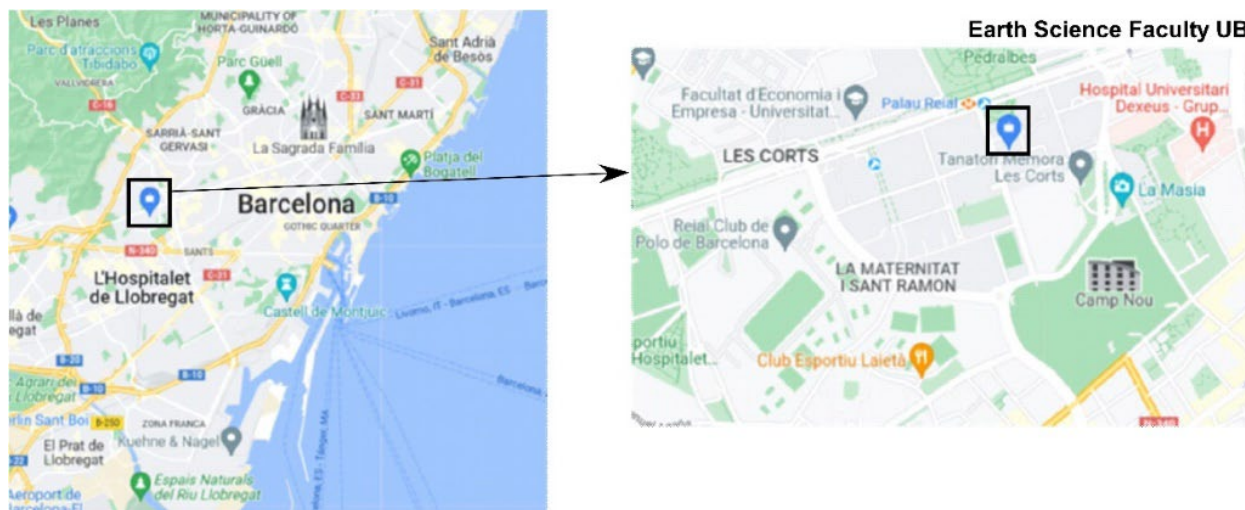
Important note: Clause on conference registration: Any cancellation of registration for the conference, for any reason, after 1st of March 2024 will not entitle to a refund. Requests received after this date will not be considered. The reimbursement process for cancellations requested before this date may take up to three months.

Location and travel information

Barcelona, a vibrant city located on the northeastern coast of Spain, has a captivating blend of history, culture, and modernity. With its stunning architecture, world-renowned art scene, and a lively atmosphere, Barcelona is a must-visit destination for travellers from around the globe. From Barcelona Airport, there are regular flights to many destinations. The conference will take place at the [Faculty of Earth Sciences of the University of Barcelona](#).



The faculty is located in the city, close to the FC Barcelona Stadium *Camp Nou*. You can reach the campus by metro, tram, and bus (*Palau Reial* Station. L3 green line and T1, T2, T3 lines).



Accommodation

Here we provide accommodation recommendations with special prices for DRT attendances.

However, it is advisable that, since Barcelona is a highly visited city in July, attendees should try to book accommodation as soon as possible.

[Residencia Universitaria Resa Pere Felip Monlau](#) (code: DRT23)

[Residencia d'Investigadors](#) (code: DRT23)

[Hotel Atiram Arenas](#) (code: DRTMEETING)

[Hotel Oriente Atiram](#) (code: DRTMEETING)

[Hotel Meson Castilla Atiram](#) (code: DRTMEETING)

[Hotel Tres Torres Atiram](#) (code: DRTMEETING)

[Hotel Bonanova Park](#)

[Hotel Madanis](#)