

COLLOQUE



JURA TECTONICS 2024 CONFERENCE PROGRAMME

**De l'évolution tectonique passée
aux projets appliqués au sous-sol**

**Besançon (France)
9-11 octobre 2024**

Maison des Sciences de l'Homme
et de l'Environnement
1 rue Charles Nodier



<https://juratectonics.sciencesconf.org/>



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Conference programme

JURA. 2024
TECTONICS

From tectonics evolution to applied geology projects | 9-11 Oct. 24 | BESANÇON (France)

Wednesday 9th October 2024

13:30 – 14:00 ▪ *Welcome of participants*

14:00 – 14:15 ▪ *Welcome speech*

Session 1. Tectonic evolution of Jura: insights from multidisciplinary approach

Chairperson: Flavien Choulet

14:15 – 15:00 ▪ **Peter Jordan – Keynote.** Hans Peter Laubscher and the Jura fold-and-thrust belt [KN1]

15:00 – 15:25 ▪ **Jon Mosar** – On basement tectonics and décollement in the Jura Mountains

15:25 – 15:50 ▪ **Bertrand Maillot** – Mechanical modelling and tectonic style

15:50 – 16:20 ▪ *Coffee break*

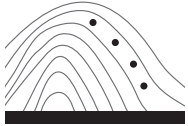
16:20 – 16:45 ▪ **Raphael Schneeberger** – Evolution of the eastern tip of the Jura Fold-and-Thrust Belt: insights from recent 3D reflection seismic and borehole data

16:45 – 17:10 ▪ **Luca Smeraglia** – Timing of deformation and past fluid flow in the Jura Mountains

17:10 – 17:35 ▪ **Catherine Homberg** – Stress through time and space: insights from the Jura Mountains and surroundings

19:30 ▪ *Repas de gala au restaurant « [Péniche Le Chaland](#) ».*





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Thursday 10th October 2024

8:00 – 08:30 ▪ *Welcome of participants*

Session 2. Tectonics and applied geology

Chairperson: Julie Albaric

8:30 – 9:15 ▪ **Pierre-Yves Jeannin – Keynote.** Applied geology and engineering projects in the Jura mountains [KN2]

9:15 – 9:40 ▪ **Victor Klabá** – Hydrostructural approach for a better comprehension of karstic hydrosystem

9:40 – 10:05 ▪ **Benoît Valley** – Current stress field and its importance on geothermal project development in the Jura

10:05 – 10:30 ▪ **Marius Gruber & David Polasek** – Geothermal prospection at the Jura – Molasse Basin transition

10:30 – 10:55 ▪ *Coffee break*

10:55 – 11:20 ▪ **Christophe Nussbaum** – Fault zone in claystone: the contribution of the Mont Terri Underground Rock Laboratory

11:20 – 11:45 ▪ **Benoît Hauville** – Helium exploration in Avants-Monts (NW Jura), a good opportunity to acquire new data and revisit the structural setting

11:45 – 12:10 ▪ **Laurent Beccaletto** – Late Paleozoic basins : geodynamics and resources in NW Jura

12:10 – 12:35 ▪ **Andreas Kuehni** – Tectonics and Solution Mining: How much of knowledge is needed for a safe operation?

12:35 – 14:00 ▪ *Lunch buffet*

Session 3. Recente/Active deformation along the arc

Chairperson: Julie Albaric

14:00– 14:25 ▪ **Julie Albaric et al.** – Active deformation in the Jura in the framework of the Western Alpine system



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14:25 – 14:50 ▪ **Tobias Diehl** – New insights into present-day seismotectonic processes of the Jura fold-and-thrust belt from recent seismicity

14:50 – 15:15 ▪ **Jérôme van der Woerd** – Seismicity, deformation and geomorphic processes in the southern Upper Rhine Graben

15:15 – 15:40 ▪ **Amélie Quiquerez** – How archaeological investigations can help to assess neotectonic activity in the southern Jura ?

15:40 – 16:05 ▪ **Robin Marchant & David Giorgis** – Tectonics of the Alpine foreland: what lies beneath the lakes?

16:05 – 18:00 ▪ *Poster session followed by a closure cocktail*

18:00 ▪ *Free-time dinner in Besançon*

Friday 11th October 2024 : Excursion

8:00 ▪ *Departure from Besançon*

9:00 – 12:00 ▪ **Fuans cross-section**

12:00 – 13:30 ▪ *Lunch (Restaurant : Au coeur des faims, Les Fins)*

13:30 – 16:30 ▪ **Le Locle A20 bypass**

17:30 ▪ *Back in Besançon*





Informations

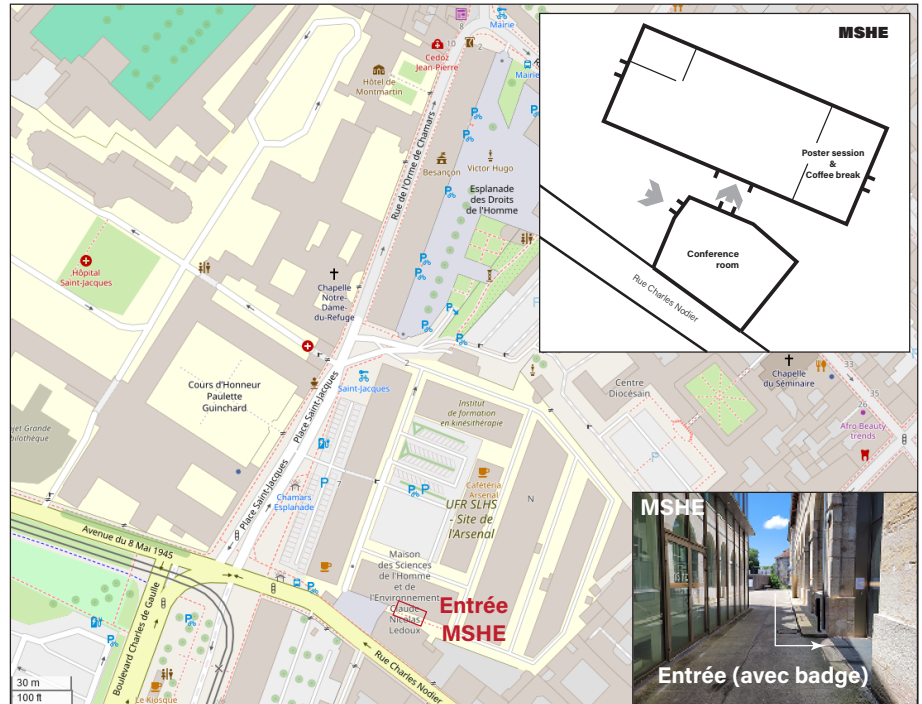
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Conference venue

The conference will be held at the Maison des Sciences de l'Homme et de l'Environnement (MSHE) Claude Nicolas Ledoux in Besançon.

Pedestrian acces
Esplanade Germaine Tillion
1 rue Charles Nodier
25000 Besançon

Oral presentations will take place in the conference room, while breaks and poster sessions will be held in the exhibition hall.



IMPORTANT : It is forbidden to eat or drink outside the exhibition hall (poster session room). Thank you in advance.

Gala dinner : Wednesday 9th October

The gala dinner will be held at [la Péniche Le Chaland](#) at 19:30: Pont Bregille, avenue Edouard Droz, Parc Micaud, 25000 Besançon

