

Conference



Across the End Permian “Great Extinction”: from Permian-Triassic Field Studies to Scientific Results

August 30-September 2, 2023

University of Lausanne, Switzerland (<https://www.unil.ch/permantriassic23/>)

SECOND CIRCULAR

A conference to look back, celebrate, and pay tribute to Dr. Aymon Baud, fifty years of continuous Permian-Triassic field research and corresponding publications produced in part with the support of the Swiss National Science Foundation (SNSF) and in association with the University of Lausanne, Switzerland.

VENUE

General scientific themes will be organized in six plenary sessions over three days, starting August 30, 2023, with keynote talks and regular lectures, that will take place in the Auditorium 1216 of the Synathlon building on the campus of the University of Lausanne, Switzerland (15 minutes by metro from the center of Lausanne, and 10 minutes campus walk).



Synathlon building, also on the campus map

LOCATION

Lausanne is a city on Lac Léman (or Lake Geneva), the largest city in the French-speaking canton of Vaud. It is a city about halfway between the Jura Mountains and the Alps and facing the city of Évian-les-Bains, France, across the lake. Lausanne is located 62 kilometers northeast of Geneva, the nearest major city with an international airport. It is home to the International Olympic Committee headquarters, as well as the Olympic Museum and lakeshore Olympic Park. The hilly old city has medieval, shop-lined streets and a 12th-century Gothic cathedral with an ornate facade. In the center, the 19th-century *Palais de Rumine* houses the Geological Exhibitions, established in its current form by Aymon Baud, honorary director.



ACCOMMODATION AND METRO TRANSPORT

Conference participants are responsible for arranging accommodation for the entire period of stay, including the conference excursion, except those with financial support who will get a booked room in Continental Hôtel.

A variety of hotels and other types of accommodation is available at the official site of [Lausanne Tourism](http://www.lausanne-tourism.ch). Some of them get cheaper price for participants at a Conference organized with Lausanne University and offer, at checkin, a Transport card that allows you free transport on Lausanne metro and buses.

Among them, close to the Lausanne Railway Station is the Continental Hôtel (reservation@hotelcontinental.ch) and close to a Metro station “Lausanne Gare CFF”.

Other, not far from **Lausanne Flon** metro-station are:

The cheapest, Ibis Styles Lausanne Center Mad House, Pl. de l'Europe 6, <http://www.lhotel.ch/>

Hôtel des Voyageurs Boutique, Rue Grand-St-Jean 19, <http://www.voyageurs.ch/>

Hôtel Crystal, rue Chaucrau 5 <http://www.crystal-lausanne.ch/>

Concerning the Metro transport to Lausanne University area, the departure of Line 1 (blue) in Lausanne city is called **Lausanne Flon** metro-station, where Line 2 (violet) coming from Ouchy on the lake though Lausanne Gare CFF station is just crossing Line 1.



Campus map and Metro lines with Metro stations

The Metro station in Lausanne University area to go to the Conference is called **UNIL Chamberonne** and the pathway to the **Synathlon building** is in red line, 5-10 minutes walk.

The **Icebreak – Welcome party** will be in the first floor of the Geopolis building and the Metro station is the next, **UNIL Mouline** and 5 minutes walk to Geopolis building.

Tuesday 29 August, 18h00: Ice-break, welcome party

Proposed Scientific Program of the Conference in Synathlon building of University of Lausanne

Wednesday 30 August

09h00 – 09h30 Opening ceremony of the conference including welcome remarks by Professor Nilas Linde, Dean of the Faculty of Geosciences and Environment and by Professore Allison Daley, Head of the Institute of Earth Sciences.

09h30 – 10h30 Plenary session during the morning to highlighting new results from the Permian-Triassic scientific program in Switzerland with Professors Torsten Vennemann, Hugo Bucher, and to resume 50 years of Permian-Triassic research in Lausanne by Aymon Baud.

10h30 – 11h00 Coffee break and Poster session.

11h00 –Continuation of Plenary session, Keynote talk by Sara Pruss: *A new Lower Triassic fossil record in the western United States tiny fossils hiding in plain sight.*

11h30 – 12h00 William Foster: *Quantifying the cause(s) of the end-Permian mass extinction in shallow marine ecosystems.*

12h00 – 12h30 Xiaokang Liu: *Morphological evolution of marine animals during the Permian-Triassic mass extinction.*

12h30 – 14h00 Lunch

14 00 – 18h00 Session 1: Biotic responses to extreme climatic and environmental crises.

14 00 – 14h45 keynote talk by Elke Schneebeli on “*Mass extinction survival guide – plants in the Arctic*”.

14h45 – 15h15 Charline Ragon: *Steady states and bifurcation diagram for the Permian-Triassic climate.*

15h15 – 15h45 Monica Gomez-Correra: *Ostracod body size and community evolution across the Permian/Triassic boundary at the Seis/Siusi section: Italy*

15h45 – 16h15 Jood Al Aswad: *Taxonomic homogenization of marine ecosystems after the end-Permian mass extinction was physiologically controlled.*

16h15 – 16h45 Coffee break and Poster session.

16h45 – 17h30 Keynote talk by Amalia Spina on” *The palynological response to the middle and late Permian extinction events across the equatorial and tropical belts*”.

17h30 – 18h00 Sylvie Bourquin: *Late Permian – Early Triassic non-marine record in western Tethys: climatic implications.*

18h00 – 18h30 Benoit Beauchamp: *Rapid environmental improvement following latest Permian mass extinction in mid-latitude Sverdrup basin (arctic Canada).*

Thursday 31 August

08 30 – 12h30 Session 2: Paleogeographic views.

08 30 – 9h00 Dimitri Papanikolaou on “*The Permo-Triassic formations of the Hellenides developed at the base of carbonate platforms or oceanic basins*”.

9h00 – 9h30 Karmen Fio: *Late Permian/Early Triassic Stress Events and Permian–Triassic Boundary in Croatia.*

9h30 – 10h00 Christian V  rard: *Tracking back Permian – Triassic sections from Oman over the Permian to Cenozoic Geodynamic and pal  ogeographic implications.*

10h00 – 10h30 Charles Henderson: *Update on Permian conodonts in Western and Arctic Canada.*

10h30 – 11h00 Coffee break and Poster session: Bilal Wadood poster on: *Connecting the Dots: Tracing the Impact of Permian Paleoclimate on Environmental Changes of Southern Gondwana's Tethys Margin (Pakistan).*

11h00 – 11h30 Keynote talk by Lillit Sahakian: *Geohazards specialized Geopark of Armenia: the Chanakhchi Geosite with unique Permian-Triassic succession.*

11h30 – 12h00 Benoit Beauchamp: *Permian low-latitude glendonites (Oman: New Mexico: south China) linked to enhanced upwelling in aragonite seas.*

12h00 – 12h30 Sylvain Richoz: *Microbialites and sponges, unusual facies in the EPME aftermath around the Neotethys.*

12h30 – 14h00 Lunch

14h00 – 18h00 Session 3, New geochemical tools and modelling.

14h00 – 14h45 keynote talk by Jonathan Payne on “*Interpreting the end-Permian uranium isotope excursion.*”

14h45 – 15h15 Torsten Vennemann: *Oxygen isotope compositions and temperatures of Early Triassic seawater a clumped isotope.*

15h15 – 15h45 Stella Buchwald: *Insights and perspectives from lipid biomarkers from the Permian/Triassic boundary in Svalbard.*

15h45 – 16h15 Franziska Blattmann:

16h15 – 16h45 Coffee break and Poster session.

16h45 – 17h15 Moghadam Mahdi Maaleki: *Reconstructing Local Marine Redox Conditions of Tethys Area during End Permian Mass Extinction Using I/Ca.*

17h15 – 17h45 Oluwasse Edward: *Marine sulphur isotope records and environmental changes during the Smithian-Spathian transition insights from nearshore and offshore Tethyan successions.*

17h45 – 18h15 Viorel Atudorei: *The Early Triassic Sulfur cycle revisited.*

19h00 Conference dinner at le Perchoir, in Le Vortex

Friday 1 September

9h00 – 12h30 Session 4: Biochronology, and new time calibrations of the Permian to Triassic transition

9h00 – 9h45 Keynote talk by David Ware: *Griesbachian to Smithian ammonoids from Northern Indian Margin, with a review on the current state of knowledge of Early Triassic ammonoid biostratigraphy, evolution and biodiversity dynamics through this interval.*

9h45 – 10h15 Thomas Brühwiler: *New lower Triassic ammonoid fauna from Oman.*

10h15 – 10h45 Coffee break and Poster session.

10h45 – 11h15 Marc Leu: *Guryul Ravine and its treasures beyond the PTB.*

11 30 – 12h00 Charles Henderson: *Update on Permian conodonts in Oman: Rustaq, Wadi Wasit and Batain.*

12h00 – 12h30 Ali Murat Kiliç: *Genetic memory of Triassic conodonts.*

12 30 – 14 00 Lunch-

14 00 – 18h00 Session 5: Specific facies - Fossil-Lagerstätten and Coquina limestones

14 00 – 14h45 keynote talk Arnaud Brayard on “*Exceptional and unexpected Early Triassic marine assemblages from the western USA basin and South China.*”

14h45 – 15h15 Aymon Baud: *Six main facies in the post-extinction basal Triassic (Griesbachian) of Oman, from deep to shallow and from euxinic to well oxygenated.*

15h15 – 15h45 Musaab Al Sarmi: *Changes in sedimentation across the Permian-Triassic Transition record from the Saiq Formation, Oman.*

15h45 – 16h15 Sakineh Arefifard: *Redox conditions in Upper Permian and across Permian-Triassic boundary deposits of the Ali Bashi and Zal sections in NW Iran.*

16h15 – 16h45 Coffee break and Poster session.

16h45 – 18h00 Session 6: Introduction to the fieldtrip

16h45 – 17h30 Keynote talk Francis Hirsch: *Significance of conodonts in the Prealpes.*

17h30 – 18h00 Aymon Baud: *The field trip guidebook.*

Saturday 2nd of September EXCURSION

The conference will be followed by an excursion to local Triassic outcrops, including Anisian limestone of Saint-Triphon, late Triassic salt mine of Bex and look at local vineyards that flourish on Triassic rocks. Dinner-raclette in a chalet of the Prealps.



View from the Lavaux UNESCO site over the Lake Lemman to Rhône Valley with the visited localities of Saint-Triphon and the Salt mine of Bex

Departure: 8h15, in front of Geopolis Building of Lausanne University, close to Mouline Metro-station.

About 9h15, Stop 1: Saint-Triphon, Fontenaille quarry, lower-middle Anisian.

About 11h, Stop 2: Saint-Triphon, Andonce quarry, middle Anisian.

12h00-13h30 Bex, Lunch at Le Bouillet, near Salt Mines entrance

13h30 – 16h: Stop 3: Bex: visit of the Salt Mine, within anhydrite rocks of Norian age followed by look on woneyard growing on Norian gypsum tocks,

About 17h Leysin, mountain village, some history, and Anisian outcrops in the landscape

17h30 Chalet -Restaurant Prafandaz -visit landscape around and degustation of typical country raclette.

About 21h, back to Lausanne.

SOCIAL ACTIVITIES

Social activities include the **welcome party** and reception on Tuesday August 29th, and a **conference dinner**, Thursday August 31.

CONFERENCE PROCEEDING

In a thematic issue, Conference proceedings at the *Mémoires de Géologie*, Lausanne.

300 CHF

REGISTRATION FEES (in Swiss Francs)

Regular

Reduced (students, etc.)

Online participation, talks

Conference dinner

Excursion

200 CHF

40 CHF

75 CHF

100 CHF

IMPORTANT DATES

June 30, 2023, Deadline for short papers and abstracts submission.

July 5, 2023, Distribution of the second circular and program.

July 5, 2023, Abstract acceptance notification.

July 30, 2023, Deadline for payment the regular conference fee.

ORGANIZATION

Scientific Committee,

Benoit Beauchamp (University of Calgary),
Hugo Bucher (University of Zurich),
Charles Henderson (University of Calgary),
Nicolas Goudemand (ENS Lyon),
Jonathan Payne (Stanford),
Sara Pruss (Smith College, Northampton, MA).

Lausanne Organizing Committee, Earth Science Institute

Aymon Baud (coordinator)
Allison Daley,
Michel Jaboyedoff,
Jean-Luc Epard,
Torsten Vennenann,
Thierry Adate.

Congress web site: <https://www.unil.ch/permiantriassic23/>

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