

A scientific life under ultra-high pressure

tribute to Christian Chopin – October 16 & 17 2023



Monday October 16th – [Visio link for Monday](#)

9:00-10:00 *Accueil – café @ Salle Dussane – 45 rue d'Ulm*

10:00 Welcome address - Stéphane Guillot (CNRS) & Alexandre Schubnel (LGENS)

Session 1 – High-Pressure metamorphism

10:10 Philippe Agard (Sorbonne U.) – *High-pressure metamorphism in the Alps: an outlook from the ocean and from the continent*

10:35 Pierre Lanari (U. Bern) – *Approaches for deciphering the complex histories of high-pressure rocks*

11:00 Samuel Angiboust (ENS Lyon) – *Jadeitites formation and deformation*

11:25 Matteo Alvaro & Ross Angel (U. Pavia) – *Inclusion barometry - past, present and future*

12:00-13:35 *Lunch break @ 24 rue Lhomond*

Session 2 – Metamorphic and experimental petrology

13:35 Dave Pattison (U. Calgary) & Jacob Forshaw (U. Bern) – *Barrovian through contact-metamorphosed metapelites: the natural record*

14:00 Nadia Malaspina (U. Milano-Bicocca) – *The role of multiphase inclusions as natural microreactors to investigate unusual mineral assemblages at ultrahigh pressure*

14:25 Sarah Incel (UniL) – *Deformation and reaction of crustal rocks under high-pressure, high-temperature conditions*

14:50 Nathalie Bolfan-Casanova (LMV, U. Clermont-Ferrand) – *Experimental constraints on redox conditions of serpentinite dehydration in subduction zones*

15:15-15:45 *Coffee break @ Salle Dussane – 45 rue d'Ulm*

Session 3 – Alpine metamorphism (oceanic subduction)

15:45 Baptiste Debret (IPGP) – *Redox heterogeneities in a subducting slab: Example from the Monviso meta-ophiolite (Western Alps, Italy)*

16:10 Clément Herviou (U. Lyon) – *Fluid circulation and deformation in the Schistes Lustrés complex (Western Alps): Implications for subduction-zone processes*

16:35 Marco Scambelluri (U. Genoa) – *Eclogitization of the oceanic lithosphere by hydration of brittle structures*

17:00 Alexis Plunder (BRGM) – *Alpine metamorphism through high-resolution thin section pictures*

***For those interested, visit of the exhibition Éclogites
at the Société Géologique de France – 77 rue Claude Bernard, Paris 5***

19:30 *Dinner (for those registered) @ Restaurant Marty – 20 avenue des Gobelins, Paris 5*



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Tuesday October 17th – [Visio link for Tuesday](#)

09:00 Coffee @ Salle Dussane – 45 rue d’Ulm

Session 3 – Alpine metamorphism (Dora-Maira)

09:15 Michel Ballèvre (Géosciences Rennes) & Paola Manzotti (U. Stockholm) – *News from the North: in search of other UHP rocks in the Dora-Maira Massif*

09:50 Chiara Groppo (U. Torino) – *Last but not least: the southern Dora-Maira Massif 40 years after Christian*

10:15 Guillaume Bonnet (U. Bern) – *Chronology of nappe-stacking in the Dora-Maira massif*

10:40-11:10 Coffee break @ Salle Dussane – 45 rue d’Ulm

Session 4 – Metamorphic and exotic minerals

11:10 Benjamin Malvoisin (ISTerre Grenoble) – *Tracking a new high-pressure phase in serpentinites: Christian also made discoveries in ultramafic rocks!*

11:35 Frédéric Hatert (U. Liège) – *Crystal chemistry and nomenclature of pegmatitic iron-manganese phosphates*

12:00-13:35 Lunch break @ 24 rue Lhomond

Session 4 – Metamorphic and exotic minerals (continued)

13:35 Thomas Ambruster (U. Bern) – *Phosphates and more: 30 years of collaboration with Christian Chopin*

14:00 Fabrice Brunet (ISTerre Grenoble) – *Chopinite relevance: from meteorites to energy storage*

14:25 Bénédicte Cenki (Géosciences Montpellier) & Emilie Janots (ISTerre Grenoble) – *Accessory minerals under high pressure! Keys to the energy and digital transition*

15:00-15:30 Coffee break @ Salle Dussane – 45 rue d’Ulm

15:30 Christian Chopin (LGENS) – *Even more phosphates?!*

16:15 Personal messages

17:00 Farewell

***For those interested, possible visit of the Collection des minéraux de Sorbonne Université
place Jussieu, Paris 5***

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