

September 20-21, 2024, Aix-Marseille, France

13th pamir Summer School

Organized by the EUMHD society in collaboration with the CEA CADARACHE, the CNRS Grenoble and the Universities of Grenoble (INP UGA), the 13th pamir Summer School is part of the International on Fundamental and Applied MHD. It will be held on **September 20th and 21st morning, 2024** at **Aix-Marseille University, 29 Avenue Robert Schumann, Salle des Colloques**.

It is located at 10' walking of the Aix-En-Provence bus Station., very well connected to TGV Railway station and Marseille-Provence Airport. It is located close to the City Center of Aix-En-Provence.

This Summer School Session will be dedicated to Nuclear Energy: Fission and Fusion. In addition, It will address the physical sciences but also the social sciences, thus allowing a crossroads of cultures and enriching exchanges between several communities.

Famous for its relaxed pace of life, the old Roman city of Aix-en-Provence, is also known for the charm of its old town,, Cours Mirabeau and its fountains, among them « La Rotonde».

We are looking forward to welcome you in Aix-En-Provence-France, just day after the 13th Pamir International Conference, organized in Carry-Le Rouet. A bus will be organized for the transportation of Summer School attendees from Carry-Le Rouet to Aix-En Provence, in September.

General information will be regularly posted on the website of the MHD society (<https://eumhd.com/pamir2024/>).

Registration deadline: July 20, 2024



The program addresses the following items:

- ❖ Heat production by the fission and fusion systems
- ❖ MHD in Magnetic Fusion Research: from stability to disruptions
- ❖ MHD investigations in Liquid Metal Fast Reactors
- ❖ Fluid mechanics & heat transfer in nuclear systems,
- ❖ ITER: example of the intersection of various issues around an industrial project and its location
- ❖ Sciences of the Society for Energy
- ❖ MHD applications for pumps and instrumentation,
- ❖ Cold crucibles for severe accidents & for reprocessing (Fission)
- ❖ Artificial intelligence for MHD Energy Conversion