



Alloys for Additive Manufacturing Symposium (AAMS) 2024

Dates: **4 - 6 September 2024**

Location: **École Polytechnique (Palaiseau, France)** – see next page

Scope

AAMS is designed to provide a forum for academics and industrialists to exchange on the state-of-the-art in the field and to identify new research directions.

The symposium will explore all the materials science aspects associated with additive manufacturing (AM) of metals and composites containing metallic phases. Encompassing experimental, theoretical, and computational research, this symposium will dive into various facets such as feedstock creation, characterization, degradation during AM processing, in-process alloying, *in situ* characterization of microstructure evolution and material behavior changes, post-processing techniques, and resultant structural and/or functional properties. We encourage contributions focusing on optimizing existing alloys for AM processes and the innovative design of tailor-made alloys.

Topics of interest include, but are not limited to:

- Development of new and customized alloys for AM.
- Exploration of novel AM methods, including multimaterial approaches and hybrid processes.
- Engineering microstructures through AM techniques.
- Utilization of theoretical and computational approaches for microstructure design.
- Materials and geometry aspects of lattice structures, metamaterials, etc.

More information

<https://aams2024.sciencesconf.org>

On behalf of the organizing committee,
Manas V. Upadhyay
(Conference chair)

A detailed map of Paris and its immediate surroundings. The Seine river is shown winding through the city. Major highways are marked with red shields (A1, A10, A12, A13, A14, A6, A6a, A6B, A106, A86, N6, N118) and green shields (E15, D1). Various districts and towns are labeled, including Argenteuil, Saint-Denis, Aubervilliers, Nanterre, Levallois-Perret, Boulogne-Billancourt, Issy-les-Moulineaux, Montreuil, Noisy-le-Grand, Champigny-sur-Marne, Créteil, Versailles, Vélizy-Villacoublay, Guyancourt, Montigny-le Bretonneux, Saint-Germain-en-Laye, Gennevilliers, and Aulnay-sous-Bois. The 'Forêt domaniale de Saint-Germain' is also indicated. A red pin is placed in the southern part of the map, near the A10 and N118 roads, with the label 'École polytechnique' next to it.

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