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CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Fahmi Bedoui
Supervisor page	https://uteam.fr/consultant/presentation/fahmi-bedoui
Host Institution	Université de Technologie Compiègne (UTC) https://www.utc.fr/en/
Research Lab	Laboratoire Roberval https://roberval.utc.fr/
Research Team	Équipe Matériaux et surfaces https://roberval.utc.fr/recherche/equipes-de-recherche/equipe-materiaux-et-surfaces/

Project Title

Quantum dots-based composite materials

Project Description

Research into integrating quantum dots within composite materials is a rapidly evolving field of study. The present proposal addresses the challenge of integrating quantum dots (QDs) into polymeric matrices while preserving their individual properties and three-dimensional organization to maximize the benefits of combining both materials. This challenge will necessitate the development of novel fabrication methodologies guided by state-of-the-art modeling tools to reach optimal properties.

Keywords

quantum dots, polymer composites, synthesis

Description of the Host Lab

The mission of the Laboratoire Roberval is to develop innovative experimental and numerical methods for the analysis, modeling and design of mechanical structures and systems.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr