



UNIVERSITAT  
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**Date:** February 5th, 2024

**Subject:** Invitation to join the Instituto Universitario de Matemática Pura y Aplicada, Universidad Politècnica de València in collaboration with Beijing Jiaotong University for a visiting PhD student program.

Dear Ms. Xue-Qian Zhang,

I hereby invite you, Ms. Xue-Qian Zhang, female, born on August 10, 1999, a PhD student from the Department of Mechanics, School of Physical Science and Engineering, Beijing Jiaotong University, to work in my group in the context of wave propagation in complex media as phononic crystals or acoustic metamaterials. Ms. Xue-Qian Zhang will be hosted by the Instituto Universitario de Matemática Pura y Aplicada (Universidad Politècnica de València, Valencia, Spanish), for 1 year, from September 2025 to September 2026. The PhD education in the above period will be financed by the China Scholarship Council and her expenses (travel, living, accommodation, insurance, etc.) will be covered by this scholarship, and no extra fees will be charged.

Xue-Qian Zhang will be working on her doctoral thesis “Customized design of acoustic metamaterials and phononic crystals via deep learning” under my supervision, and the Chinese supervision of Prof. Yue-Sheng Wang and Dr. Tian-Xue Ma.

I am sure that Xue-Qian Zhang has adequate English language skills for studying and living in Spanish. During her stay in my group in the Instituto Universitario de Matemática Pura y Aplicada belonging to the Universidad Politècnica de València, we will provide a working office space with necessary office equipment, access to our computation stations for her numerical and theoretical works as well as to the acoustics laboratory for conducting experiments relevant to her PhD thesis. We acknowledge that Xue-Qian Zhang will receive no monetary remuneration from UPV, and that she is responsible for the financial support of the China Scholarship Council (CSC).

We look forward to Xue-Qian Zhang’s visit and expect that Beijing Jiaotong University and Universitat Politècnica de València will benefit from this collaboration.

Sincerely,

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