

SUPSI

Postdoc Researcher in Computational Modeling of Dynamic Supramolecular Materials

The University of Applied Sciences and Arts of Southern Switzerland (SUPSI) at the Department of Innovative Technologies (DTI) in Manno, **Institute for Mechanical Engineering and Materials Technology (MEMTi)**, is opening a full time (100%) position for a **Postdoc Researcher in the area of the Computational Modeling of Dynamic Supramolecular Materials** with a fixed term contract and earliest possible start date.

Tasks

- Multiscale molecular modeling and simulation of self-assembling systems and supramolecular structures
- Use of advanced computational approaches to characterize structure, dynamics and properties of self-assembled materials and complex molecular systems
- Contribution to research projects and scientific publications

Requirements

- Ph.D. in Materials/Chemical Engineering, Materials Science, Chemistry, Physics, or equivalent doctoral degree (obtained or close to be obtained)
- Relevant publications in the field
- Experience in the use of most common molecular modeling/simulation software (gromacs, amber, etc.)
- Desirable experience in one or more of the following fields: (i) advanced sampling methods, (ii) coarse-graining, (iii) machine learning approaches applied to molecular models. Preference will be given to candidates with experience in most of these fields
- Desirable good programming skills
- Fluent written and spoken English

We offer

- Attractive salary, in line with Swiss standards
- Dynamic and productive working environment
- Active participation to national and international research projects
- Interdisciplinary collaboration with world-leading international research groups
- Possibility to participate to national and international conferences, seminars and workshops

Additional information

The requirements for this position are published within the "Direttive interne SUPSI" (direttiva 7a) as well as in the "Regolamento dal personale SUPSI" at www.supsi.ch.

For further information please contact:

Dr. Giovanni M. Pavan

Applicants should submit the following documents, written in English:

- Curriculum vitae with a complete list of publications
- Letter of motivation (max 1 page)
- List of three reference contacts (with e-mail addresses)

Applications will be considered only if submitted electronically within **January 13th, 2019** through the **appropriate form**.

Applications which are incomplete, or sent after the deadline will not be considered.