Senior Researcher for Computational Modelling of Tribology

Barcelona/Alicante, Spain (full-time)

Bytelab Solutions is a recently established startup company. It offers consultancy and services related to molecular simulations and Materials Informatics in the field of Chemistry.
For our current project with one of the global leaders in the petrochemical sector, we are looking for a Senior Researcher with experience in the computational modelling of **tribology**.

Requirements

- Experience in computational modelling in the field of organic fluids in bulk and nanoconfinements, tribology, friction modifiers and surface interactions.
- Extensive knowledge about several of the following techniques: Molecular Dynamics (must), Non-equilibrium Molecular Dynamics (must), Density Functional Theory, Monte Carlo, Coarse Graining, Machine Learning.
- Vast experience with the LAMMPS code and knowledge of the potentials to be used for the targeted simulations. Experience with other Molecular Simulation codes is a plus.
- MSc or PhD (preferred) in Chemistry, Physics or a related field.
- Ability to quickly learn about new topics, flexibility to change the work subjects according to the current needs.
- Experience in working with industry, including the need of respecting tight deadlines.

Conditions

- We offer a permanent contract.
- Competitive salary, taking into account the qualifications of the candidate.
- We're a small but very motivated team. You'll be working in a fast growing company with great potential to advance personally and professionally.

The selected candidate is expected to join in October 2019.

Contact
For further information please contact us directly at info@atomsim.com.

Barcelona, 29/07/2019