

Ph.D. on solid surface fluid(s) interactions in porous media

The Technion Porous Media Visualization Lab seeks a highly motivated experimentalist with a strong fluid mechanics and solid interfaces background. This exciting position involves working on a cutting-edge project focused on the coupling between reactive transport, wettability, and wetting properties. The successful candidate will be mentored by Asst. Prof. Y. Edery (Technion - Israel Institute of Technology) and Asst. Prof. M. Rücker (TU Eindhoven), including a one-year visit to TU Eindhoven as part of the Eurotech alliance. We are looking for a candidate who is passionate about scientific work, demonstrates the ability to take initiative, and can work independently within a larger group dynamic.

The ideal candidate should meet the following qualifications:

- B.Sc. or M.Sc. in Physics, Chemistry, Mechanical Engineering, Chemical Engineering, or Environmental Engineering.
- Proficiency in English writing and scientific reading and writing.
- A first-author publication in a scientific journal will be considered an advantage.

The selected candidate will be expected to:

- Acquire expertise in microfluidics, confocal microscopy, inverse gas chromatography, and atomic force microscopy.
- Develop measuring methodologies from conception through publication.
- Provide weekly progress updates and engage in discussions with both mentors.

Interested candidates should send an updated CV and B.Sc./M.Sc. grade sheets to Asst. Prof. Yaniv Edery (yanivedery@technion.ac.il) and Asst. Prof. Maja Rücker (m.rucker@tue.nl).

We look forward to receiving applications from enthusiastic individuals who are eager to contribute to this exciting research opportunity.