Scientific Internship
Research Group Waitukaitis

Full Time (40h/w) – the intended duration of each internship is 6 to max. 12 months
Klosterneuburg (Vienna), Austria
€ 1.086* gross/month

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IST Austria is a growing international institute for conducting frontier research in mathematics, computer science, and the life and physical sciences. We recruit passionate professionals from all over the world and from all fields who support our goals of excellence in research and science management. Located on a beautiful campus on the outskirts of Vienna, we offer numerous opportunities for personal growth in a stable working environment. Get an insight!

The Waitukaitis Group (https://waitukaitis.pages.ist.ac.at/) focuses on complex phenomena that arise via exotic interactions between liquids and solids. Their work is highly interdisciplinary, sitting at the intersection of soft matter physics, materials science, complex fluids, and chemistry. The group is currently having 2 openings for paid internships:

The first project will involve using an AFM in KPFM mode to determine the amount and spatial distribution of charge on surfaces after contact electrification.

The second project will involve building and testing an experimental apparatus to measure macroscopic charge exchange between spin-coated polymers. This project will require the student to make designs in CAD, work in close cooperation with our machine and electronics shops, and build an automation interface to control the system in python or labview.

Your profile

• The successful candidate for the first project has a physics background with strengths in electromagnetics, math methods, and computer programming (e.g. python)
• The ideal candidate for the second project has a strong background in physics, or mechanical or electrical engineering and proven experience in CAD
• Excellent command of English (Working language is English)

Special consideration will be given to applicants looking to fulfilling research requirements for a Master's thesis at their home institution, or those interested in eventually pursuing a PhD.

Application Deadline: 20.01.2021
Application documents: CV, cover letter (1 page), university transcripts
To submit your application please e-mail: michaela.pucher@ist.ac.at

* This position comes with possible overpayment depending on education, qualification and work experience. IST Austria processes your personal data in accordance with the law. For more information, please refer to www.ist.ac.at/data-protection.