

1st PRG Hackathon

inspired by Garnet Chan

What is a hackathon?

A hackathon (also known as a hack day, hackfest or codefest) is an event in which computer programmers and others in the field of software development, as well as graphic designers, interface designers and project managers collaborate intensively on software projects. Occasionally, there is a hardware component as well. Hackathons typically last between a day and a week in length.

What will PRG do during the hackathon?

PRG and Eshuis group will join forces to code subsystem DFT methods in three computer programs: Amsterdam Density Functional, Turbomole and Quantum Espresso.

New codes related to van der Waals forces, non-local non-additive potentials, and diabatic dynamics will be coded from scratch!

Why do we need a hackathon?

By sitting in the same room, PRG and Eshuis groups will harvest collective energy to overcome the activation energy barrier that often separates individuals from getting stuff done. We hope to code in 48 hours what would otherwise take a few months in a regular work setting.

Details

When: 4/18 – 4/19 (48 hours)

Where: LSC 201G

Who: Michele, Henk, Davide, Ruslan, Pablo and Alessandro