

Title: Careers in Physics

Abstract:

As a physics student you are of course very much wanted on the job market, but where do you want to work? Find out at the Careers in Physics session! Here, four different physics-related companies will tell something about what they do and what it's like to work there. This way you do not only get a fun peek behind the curtain at four companies, but you are also preparing yourself for your future career!

Convener: Sarita de Berg, A-Eskwadraat

Speakers (in order of appearance)

Guus Velders (IMAU and RIVM)

Title: From physicist to policy-oriented atmospheric chemist

Abstract: I studied applied physics at the University of Twente and obtained my PhD in quantum chemistry at the same university. Then I switched fields and started working on modelling the dynamics of the atmospheric at the Royal Netherlands Meteorological Institute (KNMI) and a few years later modelling of the ozone layer at the National Institute of Public Health and the Environment (RIVM). Now I work on both ozone layer depletion, climate change and air quality and not only consider the physical and chemical aspects, but also use knowledge on (inter)national policies, economics, social issues, production processes and health and environmental effects related to it. Working on environmental issues requires a broad field of expertise, that goes beyond the Navier-Stokes equations. In the presentation I will tell you about my experience of how scientific work can be used to influence global policies.

<speaker> (Océ)

(title/abstract to follow)

Pascal Ramaekers (SVI)

Abstract: SVI is an independent company that manufactures high quality state-of-the-art software for microscopy applications, the Huygens software. Our software is used by academic institutes worldwide to reliably visualize, process, and analyze microscopic images. Our scientific development team mainly works on the development of new image processing algorithms and the integration of new microscopic and analysis techniques into our software. Together with the international scientific microscopy community, we aim to continuously improve our software and to keep at the forefront of technology.

Gijs Hijmans (TMC Physics)

Abstract: Working with TMC means getting insight into the works of our technology-oriented clients. Our Physics team has 60 staff. How does this model work in practice? Why would you, physicists, choose such a career? And what does it look like? I'll present some cases to explain and illustrate this.