



Technical consultant – Physics

Simbeyond accelerates development of advanced materials and high-tech devices as used in state-of-the-art display, lighting and signage applications. We provide an unprecedented software tool for the development of organic electronic devices, such as OLEDs, that replaces a large part of the costly and time-consuming experimental efforts with computer simulations. The unique approach provided allows our customers to analyze, predict and improve device performance. This leads to a shorter time-to-market and to reduced R&D costs for the electronic devices of today and tomorrow.

Key Responsibilities:

Simbeyond is looking for a talented physicist with knowledge of organic electronics, device physics and simulations, to join our young and dynamic team in Eindhoven. The job involves the following responsibilities:

- Technical consulting for customers and prospective customers
- Providing product training and developing training material and documentation
- Developing new models for charge transport and excitonics in organic electronic devices
- Implementing the models in high performance scientific simulation software
- Exploring new application areas for existing simulation software such as energy storage, lithography, photovoltaics
- Giving presentations at conferences and expositions

Skills:

- Background in Organic Electronics and specifically OLED device physics
- Affinity with computational physics and simulations
- Proficiency in English both in written and verbal form is a must
- Experience with Monte Carlo simulation methods
- Familiarity with optical simulations (ray tracing, transfer matrix method, micro cavity modeling, scattering) is a plus
- Some experience with Bash scripting, Python scripting and notebooks, and UNIX/Linux in general is definitely a plus
- Experience with writing in AsciiDoc and Latex is a plus

Qualifications:

The ideal candidate has a PhD or a Master degree in (Applied) Physics and experience in the field of organic electronics, semiconductor physics or optics, preferably using simulation tools. Strong presentation and writing skills are required, as well as a quality mindset and good problem solving skills. The candidate should be fluent in English, both in written and verbal form. Willingness to travel and an entrepreneurial predisposition are qualities we regard highly for this position.

What we offer:

We offer an exciting opportunity to join a young and dynamic environment in Eindhoven, the Brainport of The Netherlands, in a team of driven professionals. Our informal company culture gives ample opportunity for personal and professional development. At the same time, you will be helping to shape our fast growing business. Are you the new team member we are looking for? Send your CV and motivation letter to jobs@simbeyond.com. For more information, visit www.simbeyond.com.