

Research Scientist Computational Fluid Mechanics/Polymer Processing (Sco)

Company: Royal DSM N.V.: www.DSM.com.

Department: Material Science Centre (MSC)

Reporting to/hierarchy: Competence Centre Manager

Function details: He/she will support the activities of the different DSM Business Units namely the Performance Materials Cluster (Engineering Plastics, Dyneema, Coating and Structural Resins), and the various Emerging Business Areas (biomedical materials and Specialty Packaging). This person will be responsible to execute fundamental studies for fluid dynamic problems by using numerical methods. He/She will solve the practical problems with a scientific approach. Here for, he/she will develop mathematical models and codes, set up the programming for simulation and perform simulations. He/she will do visco-elastic fluid stability analyses by using the finite element method, spectral analysis etc. To prove the problem solving concept, he/she will help set up lab equipment and trials.

Expectations for this role include:

- Strong analytical and numerical skills.
- Strong interest in and affinity with experimental work.
- Establish collaborations with academic groups world wide.
- Personal skills:
 - § Ability to clearly communicate his/her views.
 - § Ability to find his/her way in complex situations.
 - § Ability to sell scientific ideas to the interested parties within DSM.
- Be able to handle multiple projects at a time.
- Work well both independently and in (multicultural) teams.
- Ability to co-operate with the different internal DSM departments.

Education and qualifications:

- PhD in engineering or physics in the field of fluid mechanics and/or rheology.
- Preferably experience in method development in the research of computational fluid mechanics.
- Relevant scientific publications are a plus.

"We help scientific brains to find each other!"

Personality and mentality:

- Be able to work independently taking complete responsibility for his work and decisions.
- Responsible person with respect for the individual.
- Well structured and professional.
- Initiative taking team worker and sharing knowledge.
- Be able to handle given freedom to work out great solutions.
- Pragmatic hands-on person and problem solver focused on practical use and functionality.
- Ethical and trustworthy.
- Result driven.

Languages:

- Fluent in English (oral and in writing).
- Willingness to learn the local language (Dutch).

Mobility/travel: +/- 10% global travelling.

Job specificities:

- Full-time.
- Permanent employment.
- Location: Geleen, The Netherlands
- Starting date: ASAP

Offer:

- Very good financial conditions and extra-legal benefits including pension plan
- Help for visa and working license.
- Temporary housing for 3 months and help for house hunting.
- Support for moving to Belgium/Netherlands.
- Support for language courses.
- Possibility for cultural integration support.

Available education/training:

Possibilities for further education and training.

Career opportunities:

Possibilities to grow in a challenging environment.

Interested?

You match the requested criteria for min. 80%?

Then send your application to cv@scienceco.eu, mentioning reference "NL-30SEP2008 (Sco)"

*You have questions? Contact us, we are eager to help you! **Tel.:** +32 2 400 75 12*