

Research Assistant for Market-Ready Design in Wearable Technology (0,6 - 1,0 fte)

Faculty of Arts

Vacancy number: 23.21.16

Application deadline: 22 May 2016



Responsibilities

As a research assistant, you will work on the development of smart and responsive textiles by means of explorations in knitwear. You will be using various machines (mainly weaving and knitting) available at the lab of the Textile Museum in Tilburg (Netherlands) and will work autonomously with Stoll knitting machines (CMS 340 TC KW and CMS 830 C). The iterative design process involves behavioural studies of the human body in motion as well as 'programming' a certain behaviour of a fabric by employing auxetics, deployable surfaces, specialty yarns (conductive, shrinking, water soluble, etc.) and using layers to integrate electronics in a seamless manner. You will analyse and interpret the results together with the head designer, Pauline van Dongen.

Work environment

The Faculty of Arts consists of ten departments in the areas of language and culture, history, history of arts, linguistics and business communication, which collaborate closely in teaching and research. The Faculty caters for about 2,400 students.

This specific research is embedded in the larger research project 'Crafting Wearables: Fashionable Technology', financed by the Netherlands Organization for Scientific Research (NWO). The research will be conducted in close cooperation with designer Pauline van Dongen, the ArtEZ School for the Arts in Arnhem, and the Audax Textile Museum in Tilburg.

What we expect from you

- you have an MA degree in fashion or textile design;
- you have experience with working with Stoll knitting machines, preferably CMS 340 TC KW and CMS 830 C;
- you have successfully completed the courses 'Handling and Programming', and 'Fully Fashion and Special' for programming of M1plus;

- you have an experimental as well as a systematic approach towards material research;
- you are able to perform thorough explorative studies of the human body;
- you are able to work individually but also as part of a team;
- you have the necessary writing skills to document and reflect on the results for a co-authored paper in English.

What we have to offer

- employment: 0,6 - 1,0 fte;
- in addition to the salary: an 8% holiday allowance and an 8.3% end-of-year bonus;
- The gross monthly salary will be between €2,114 and €2,854 on a full-time basis, depending on qualifications and experience (salary scale 7);
- duration of the contract: temporary, for a maximum period of 12 months, starting 1 September 2016;
- you will be classified as a Research Assistant, level 4 (Onderwijs-/Onderzoeksmedewerker, niveau 4) in the Dutch university job-ranking system (UFO).

Are you interested in our excellent [employment conditions](#)?

Other Information

The organisation of the research support will be flexible, for example, it may cover a shorter period and may involve more FTEs.

Would you like to know more?

Further information on: [Faculty of Arts](#)

Further information on: [Crafting Wearables](#)

For more information about this vacancy, please contact:

Professor A.M. Smelik

E-mail: a.smelik@let.ru.nl

Are you interested?

You should upload your application (attn. of Drs. L.J.P.M. van Mosseveld) exclusively using the button 'Apply' below. Your application should include (and be limited to) the following attachment(s):

- Letter of motivation
- CV

For more information on your application: +31 24 361 11 73.

APPLY



No commercial propositions please.