Research Associate Position with the NTU BeingThere Centre in 3D Telepresence

Pushing the boundaries in next-generation 3D telepresence

Can you envision a telepresence system so realistic that two rooms thousands of kilometers apart appear separated only by a thin wall of glass? Or having a real human-like avatar that could one day move around and interact with people in a building halfway across the world? These are some of the many exciting research innovations under way at the NTU BeingThere Centre. Built at a cost of S$23 million, the new research facility is currently seeking a research associate to further its ambitions in next-generation 3D telepresence.

Are you keen to join our team of impassioned scientists?

We are seeking a highly motivated individual who can contribute, assist and further the exciting research conducted at the BeingThere Centre. The role requires the ability to learn and deeply understand new algorithms as they occur in the fields of computer vision/graphics, strong software development skills, and the collaborative attitude to work in teams.

The duration of this position is negotiable, but preferably at least a year. There are numerous opportunities for interacting and working with top professors and scientists from around the world, and there are also prospects for short research visits to UNC at
Chapel Hill in the US, or ETH Zurich in Switzerland, depending on the needs of the project. The centre is located at the Institute for Media Innovation in NTU.

Qualifications

- Bachelor's or Master's degree in computer science, computer engineering, or related fields.
- Experience in computer graphics and/or computer vision.
- Strong programming and software engineering skills in C++.
- Strong communication skills. Must be fluent in both, spoken and written English.
- Experience with GPU programming is a plus.
- Research experience is a plus.
- Ability to work in an international environment.

Please submit the following to imi-beingthere@ntu.edu.sg:
- Curriculum vitae with photo
- Two references with contact information
- Salary expectation

Review of applicants will begin immediately and continue until the position is filled. Please note that only shortlisted candidates will be notified.

About the BeingThere Centre

A joint effort between NTU, the Swiss Federal Institute of Technology Zurich (ETH), the University of North Carolina at Chapel Hill (USA) and the Media Development Authority of Singapore (MDA), the BeingThere Centre features a team of 30 top scientists spread across three continents. It is led by co-directors Prof. Nadia Magnenat-Thalmann (NTU), Prof. Markus Gross (ETH), and Prof. Henry Fuchs (UNC).

The objective of the BeingThere Centre is to develop the next generation of 3-D telepresence technologies, including robotic avatars and virtual humans. An important part of the research is the development of enabling technologies for 3D telepresence. This covers all relevant aspects ranging from real-time 3D capture, data representation, image and 3D data processing to transmission, rendering, and displays.

The Centre is set to drive the next evolution in virtual communications as it focuses on developing interdisciplinary and advanced technologies that break down physical barriers, allowing for real, face-to-face conversations between people far apart.