**Job Title**  
Research Fellow  

**Job Description**

A Research Fellow (RA) position is open in the Parallel and Distributed Computing Centre at Nanyang Technological University (Singapore). The RF will work on a research project funded by Defence Science & Technology Agency (DSTA), Singapore, to create a 3D isometric, real-time strategy based simulation for handling and managing crowds. The generic crowd modelling and simulation system will integrate computer graphics and animation, game AI, and distributed simulation technologies. The RF will be required to: i) carry out research to address research challenges in the project (e.g., in the areas of human behaviour modelling, multi-resolution modelling, and symbiotic simulation); and ii) coordinate various current research development tasks in the project and communicate effectively with internal and external contacts and collaborators.

**Requirements**

The applicant should have a PhD in computer science or related discipline, and good knowledge in one or more of the following areas: behaviour modelling, multi-agent systems, computer simulation, and distributed computing. Knowledge in crowd psychology and group dynamics is not required, but will be considered as an advantage. The applicant should also have good communication and writing skills. Strong preference will be given to the candidate who has proven research record.

**Remuneration & Benefits**

Successful candidates can expect a competitive salary and benefits.

**Term of Appointment**

The initial appointment will be for one year, with potential extension for another year.

**Contact**

Please send your completed CV and expected salary (preferably via email) to:

Assoc Prof CAI Wentong  
aswtcai@ntu.edu.sg  
School of Computer Engineering  
Nanyang Technological University  
Blk B4, #2A-32, 50 Nanyang Avenue  
Singapore 639798

**Closing Date**

The position is available immediately and will be closed once a suitable candidate is found.