Research Fellow Position Available

Applications are invited for the following position in the areas of robotic adaptive task execution and workcell optimization under the A*Star Industrial Robotics Programme. The position will start as early as March, 2015, for an initial period of 18 months, with possible extension depending on performance and prevailing funding condition.

Research Fellow in Robotic Adaptive Task Execution and Workcell Optimization

Scope and responsibilities

The Research Fellow will design and implement experiments to demonstrate, in a robotic workcell, the capability of (i) workpiece registration and adaptive task execution based on actual part geometric variations at workcell level with minimum part rejection, and (ii) automated task-oriented workcell layout optimization under both structured and unstructured environment.

Qualification and experience

Applicants should possess a Ph.D. degree from a reputable university in the areas of robotics and control systems, preferably with an emphasis on system integration and implementation. Direct experience of using industrial robots (such as those made by ABB, KUKA, and Universal, etc.) is particularly desirable.

In addition, positive personal qualities, such as the ability to take initiative and to work independently, and having a good attitude, strong interpersonal skills and commitment to deliver results, would be much valued.

Applications are to be submitted electronically to Associate Professor Peter C. Y. Chen (Email: mpechenp@nus.edu.sg)

Only shortlisted applicants will be notified. Remuneration will be very competitive, and commensurate with qualifications and experience.