Research Fellow Position

Applications with full CV are to be submitted electronically to:

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Associate Professor
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Job Description:

Applications are invited for a Research Fellow position in a Singapore-China joint research project that will develop a road-merging control system for dense traffic management with particular emphasis on the traffic pattern of Beijing and Singapore. The specific research tasks include:

(i) developing an analytical model of driver behavior in ramp merging,
(ii) synthesizing a supervisory controller that determines the optimal speed and heading for an on-ramp vehicle in the coverage area, and
(iii) demonstrating the effectiveness of the proposed control system on a lab-based proof-of-concept implementation.

The successful applicant is expected to start employment in March 2015 for a period of three years. Remuneration will commensurate with qualifications and experience.

Job Requirements:

Applicants should possess a PhD degree in the area of dynamics and control in general, and in the fields of intelligent transportation systems and mobile robots in particular, from a reputable university. Knowledge, skills and experience in the development of machine learning systems and embedded systems are desirable. Applicants should have good written and verbal communication skills, and preferably have some experience in research proposal preparation. In addition, the ability to take initiative and to work independently, and strong interpersonal skills and commitment to delivering results, are highly valued.