Job Title
Research Fellow

Project Title
(Funded by: Energy Innovation Programme Office, National Research Foundation)

Job Description
One of the focuses of this project is to design and develop large scale system analysis, multi-agent design and testing of intelligent actuation of different devices in Building Management Systems in order to increase the energy efficiency meanwhile maintaining human comfort. Integration with sensor and actuator networks is also to be investigated to acquire information and perform local control action.

Requirements
We seek motivated post-doctoral candidates who are able to show a proven excellent record in research, and are ready to thrive in a dynamic, multi-cultural and multi-disciplinary team. The successful candidate should demonstrate a track record of delivering novelty in the field of multi-agent systems, control engineering, optimization algorithms, data analytics and data Mining. The candidate is also expected to be self-motivated, able to supervise research engineers or MSc students, and able to propose research ideas.

In particular we seek a person with the following skills:

- PhD in Electrical and Computer Engineering with specialization in Control Systems / Communication Systems / Embedded Systems / Computer Science
- Relevant experience in the design, simulation, and implementation of data analytics and mining, intelligent multi-agent systems, multivariable control techniques and real-time operations
- Knowledge in optimization algorithms, embedded processing, coordinated remote operations, complex adaptive systems and wireless network technologies such as Wi-Fi and ZigBee.
- Experience developing in programming languages such as Java, Python, C/C++, MATLAB
- Fluent verbal and written communications in English
- Strong analytical and conceptual abilities

Remuneration & Benefits
Gross monthly salary will be commensurate with qualifications and experience. Leave and medical benefits will be provided.

Term of Appointment
The appointment can commence immediately and will be initially for one year with the possibility for extension of up to an additional two years.

Contact Person
Interested candidates may send their detailed curriculum vitae with a covering letter explaining their current interests, background relevant to this project and NUS Personal Data Consent for Job Applicants to A/Prof. Sanjib Kumar Panda (eleskp@nus.edu.sg).

Application Deadline
Open till the position is filled.