WDA Jobs Bank Posting Request Form

*With effect from **1 August 2014**, MOM requires employers to advertise the job vacancies on the WDA's new job bank for at least 16 calendar days, to comply with the Tripartite Guidelines on Fair Employment Practice.*

Please complete and submit the WDA request form via email to our Research Concierge Team for posting. All fields are mandatory.

Job Posting Details *(e.g. We can advertise for Professors in NUS without having to state the different Faculties but we cannot use the job posting to hire a Research Assistant if the posting is for a Research Fellow)*	
Name of Requestor:	**Professor Dipti Srinivasan**
Date of Submission:	**18th January 2017**
Position (Job Title):	**Research Fellow**
Job Description: *(Not more than 10000 characters)*	Candidate will be required to work towards – a) Modeling renewable uncertainty, decision making under uncertainty and optimization ; b) Developing novel computational intelligence techniques to solve complex optimization problems in smart grids; c) Integrating solar forecasting model with power system operations
Job Requirements : *(Not more than 10000 characters)*	1) PhD Degree in Electrical Engineering or relevant area with a strong background in Optimization and Power Systems. 2) Experience of working in the field of application of evolutionary algorithms to smart grid problems. 3) Technical proficiency with developing codes in different environments such as MATLAB, C++. 4) Candidate should have strong publication records in reputed International Journals and Conferences in the field of smart grid/power systems and optimization. 5) Candidate should have a positive attitude and should be willing to assist on different projects.
Job Category: **Indicate if otherwise*	**Engineering**

Employment Type: *(e.g. Full Time, Part Time, Permanent, Contract, Temporary or Freelance)*	Full time
Min. Years of Research Experience:	Nil
Min. Qualifications:	Applicants must have PhD degree in Electrical Engineering and relevant research experience.
Working Hours: * Indicate if otherwise	**8.30 am to 6 pm**
Number of Vacancies:	1
Gross Monthly Salary: *Please indicate the min and max salary range	S$ 4500 – S$ 6400 (depending on qualifications and relevant work experience)

** Job Advertisement Guidelines:

In the job advertisement, the criteria should focus on job scope, qualifications, skills or knowledge, experience and character traits.

1) **If a job entails proficiency in a particular language and to minimize incidence of misunderstanding on the job seekers part', employers should reduce ambiguity (e.g. bilingual in English and Mandarin to handle Chinese speaking clients)**
2) **Do not state a preference for a certain race.**
3) **Do not state age as a requirement or suggest a preference for a particular age group.**

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Date of Submission:	**18th January 2017**
Position (Job Title):	**Research Fellow**
Job Description: *(Not more than 10000 characters)*	Candidate will be required to work towards – a) Investigating the impact of high PV penetration on traditional power system operations with variability and uncertainty; b) Simulating bulk power systems with uncertainties and perform stability analysis to study the impact of large-scale PVs on the power network; c) study of dynamic stability in power systems with uncertainties d) Developing uncertainty modeling methods for uncertainties that are associated with solar irradiation forecast and network operation; e) Use of state-estimation and data driven intelligence
Job Requirements : *(Not more than 10000 characters)*	1) PhD Degree in Electrical Engineering or relevant area with a strong background in Power Systems and Optimization. 2) Experience of working in the field of bulk power system modelling and simulation, uncertainty modelling, power system stability analysis and application of evolutionary algorithms to smart grid problems. 3) Technical proficiency with developing codes in different environments such as MATLAB, C++, DigSilent, PowerWorld, DSATools, PSS/E etc. 4) Candidate should have strong publication records in reputed International Journals and Conferences in the field of smart grid/power systems and optimization. 5) Candidate should have a positive attitude and should be willing to

	assist on different projects.
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