### JOB DESCRIPTION

Vacancy Ref: A3310

| Job Title: Research Associate: Prognostic modelling of electric battery ageing | Grade: 6 |
| Department/College: School of Computing and Communications/LIRA |
| Directly responsible to: Prof Plamen Angelov (Director LIRA) |
| Supervisory responsibility for: none |

#### Other contacts

**Internal:**  
Senior Research Associates and other Research Associates on the MSM project; Staff and Students at the University; colleagues in the School of Computing and Communications and Engineering Department, LIRA and Energy Lancaster Research Centres  

**External:**  
Faraday Institution, Multi Scale Modelling Consortium, Imperial College, University of Oxford, University of Birmingham, University of Coventry, Altelium Ltd.

#### Major Duties:

1. To study and develop methods and algorithms for electric batteries ageing amongst others.
2. To experiment with data and simulation models of batteries including suitable analysis tools.
3. To collaborate with industrial and research project partners and to assist in the coordination of development activities within the project.
4. To contribute to the training and supervision of students.
5. To participate in regular project meetings with industrial and academic partners; preparation and presentation of talks, posters and reports to disseminate the results of these studies.
6. To participate in national and international conferences and workshops to present the results of the project to a wider audience and to learn about current advances in the field.
7. To prepare journal papers for publication of project findings.
8. Any other duties appropriate to the grade as delegated by Prof Plamen Angelov.