THE UNIVERSITY OF WARWICK

# JOB DESCRIPTION

| | |
|---|---|
| **POST TITLE:** | Research Assistant in Solar Coronal Physics |
| **DEPARTMENT:** | Physics |
| **SUB-DEPARTMENT:** | Centre for Fusion, Space and Astrophysics |
| **POST RESPONSIBLE TO:** | Professor V.M. Nakariakov |
| **SALARY:** | £23,661 - £26,629 pa |
| **REFERENCE NUMBER:** | 53241-091 |
| **CLOSING DATE:** | 14 October 2011 |

## JOB PURPOSE:

Conduct the research programme on the study of theoretical and observational aspects of MHD wave dynamics in the corona of the Sun, including MHD coronal seismology and coronal heating.

## DUTIES AND RESPONSIBILITIES:

1. Pursue a programme of research in solar coronal waves and oscillations under the direction of the project Principal Investigator, Professor V.M. Nakariakov and Co-Investigator Dr E. Verwichte.

2. Disseminate the results of this research in the recognised scientific literature, at scientific meetings both within the centre and externally.

3. Perform limited teaching duties as requested by the Head of Department.

THE UNIVERSITY OF WARWICK

## PERSON SPECIFICATION

**POST TITLE:** Research Assistant

**DEPARTMENT:** Physics

The Person Specification focuses on the knowledge, skills, experience and qualifications required to undertake the role effectively.

| **REQUIREMENTS**<br>The post holder must be able to demonstrate: | **REQUIREMENT IS ESSENTIAL (E) or DESIRABLE (D)** | **MEASURED BY:**<br>a) Application Form<br>b) Test/Exercise<br>c) Interview<br>d) Presentation |
|---|---|---|
| Be about to attain a PhD or equivalent in Physics or a related discipline | E | a |
| Knowledge of plasma physics including MHD | D | a, c |
| Knowledge of solar/astrophysical applications | D | a, c |
| Expertise in solar data analysis | D | a, c |
| Expertise in mathematical modelling of wave processes | D | a, c |
| Expertise in HPC for plasmas | D | a |
| Research track record | E | a |
| Scientific programming | E | a, c |
| Communication/presentation skills | E | a, c |

THE UNIVERSITY OF WARWICK

# JOB DESCRIPTION

| | |
|---|---|
| **POST TITLE:** | Research Fellow in Solar Coronal Physics |
| **DEPARTMENT:** | Physics |
| **SUB-DEPARTMENT:** | Centre for Fusion, Space and Astrophysics |
| **POST RESPONSIBLE TO:** | Professor V.M. Nakariakov |
| **SALARY:** | £27,428 - £35,788 pa |
| **REFERENCE NUMBER:** | 53241-091 |
| **CLOSING DATE:** | 14 October 2011 |

## JOB PURPOSE:

Conduct the research programme on the study of theoretical and observational aspects of MHD wave dynamics in the corona of the Sun, including MHD coronal seismology and coronal heating.

## DUTIES AND RESPONSIBILITIES:

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3. Perform limited teaching duties as requested by the Head of Department.

THE UNIVERSITY OF WARWICK

# PERSON SPECIFICATION

**POST TITLE:** Research Fellow

**DEPARTMENT:** Physics

The Person Specification focuses on the knowledge, skills, experience and qualifications required to undertake the role effectively.

| **REQUIREMENTS**<br>The post holder must be able to demonstrate: | **REQUIREMENT IS ESSENTIAL (E) or DESIRABLE (D)** | **MEASURED BY:**<br>a) Application Form<br>b) Test/Exercise<br>c) Interview<br>d) Presentation |
|---|---|---|
| Possess a PhD or equivalent in Physics or a related discipline | E | a |
| Knowledge of plasma physics including MHD | D | a, c |
| Knowledge of solar/astrophysical applications | D | a, c |
| Expertise in solar data analysis | D | a, c |
| Expertise in mathematical modelling of wave processes | D | a, c |
| Expertise in HPC for plasmas | D | a |
| Research track record | E | a |
| Scientific programming | E | a, c |
| Communication/presentation skills | E | a, c |

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# FURTHER PARTICULARS

For further information about the University of Warwick, please visit our website at http://www2.warwick.ac.uk/services/humanresources/jobsintro/furtherparticulars

For further information about the Department of Physics, please see our website at www2.warwick.ac.uk/fac/sci/physics.

Further details may be found on www.warwick.ac.uk/go/cfsa/

# Recruitment of Ex-Offenders Policy

As an organisation using the Criminal Records Bureau (CRB) Disclosure service to assess applicants' suitability for positions of trust, the University of Warwick complies with the CRB Code of Practice and undertakes not to discriminate unfairly against any subject of a Disclosure on the basis of a conviction or other information revealed. More information is available on the University's Vacancy pages and applicants may request a copy of the CRB Code of Practice.