



South Eastern Applied Materials (SEAM) Research Centre

The Materials Characterisation and Processing (MCP) Group at Waterford Institute of Technology is a transdisciplinary research group and currently involves academic staff from the Schools of Engineering and Science. The Group has secured funding to establish the South Eastern Applied Materials (SEAM) Research Centre under the Enterprise Ireland Applied Research Enhancement programme.

The SEAM Research Centre will focus initially on three areas of specialisation that are of strategic importance for Ireland, and the South East region, namely:

- X-ray tomography: Non-destructive 3-D examination of materials and products
- Microwave processing and remediation of materials
- Mathematical modelling of magnetically targeted nanoparticles in biomedicine

The Institute now wishes to recruit the following personnel for this Centre.

Centre Manager (3 year contract)

The Centre Manager will be responsible for the day-to-day running of the Centre and will facilitate the achievement of the Centre's objectives by the effective management of its resources and operations.

He/she will work closely with and support the Principal Investigator and other academic staff members in the ongoing development of the Centre and the achievement of its strategic goals. He/she will be centrally involved in the development and maintenance of strong links with industry.

Applicants must have an honours primary degree in Science/Engineering, and preferably a postgraduate qualification in Materials Science & Engineering or an associated discipline. A business qualification would also be desirable.

The ideal candidate will have experience of working at the interface between industry and academia in an applied research role. Experience in the commercialisation of intellectual property and the process of technology transfer would be a distinct advantage.

Postdoctoral Research Fellow in X-ray Tomography (3 year contract)

The appointee will be responsible for the day-to-day running of a state-of-the-art high-resolution X-ray tomography facility in order to fulfill internal SEAM requirements and to collaborate with industrial partners on projects of a strategic nature.

Preference will be given to applicants who have significant experience in the use of X-ray tomography as a research tool.

Informal enquiries in relation to the above two positions may be made to Dr. John O'Dwyer

Email: jodwyer@wit.ie **Tel:** +353 (0)51 302441 / +353 (0)87 2825728

Postdoctoral Research Fellow in Microwave Processing and Remediation (2 year contract)

The appointee will be responsible for a microwave processing facility that is being established in order to fulfill internal SEAM requirements and to undertake applied research projects with industrial partners.

Preference will be given to applicants who have significant expertise in the use of microwave energy for materials' processing and/or remediation.

Informal enquiries in relation to this position may be made to Dr. Austin Coffey

Email: acoffey@wit.ie **Tel:** +353 (0)51 302090

More detailed information in relation to these positions is available on www.wit.ie/vacancies

Applications in the form of a curriculum vitae (CV) including the names and addresses of two referees, should be sent to:

Human Resources Office - Recruitment
Waterford Institute of Technology
Waterford, Ireland

Tel: 051 845519 **Fax:** 051 302663 **Email:** recruitment@wit.ie

Candidates may be shortlisted for interview on the basis of information contained in their CVs.

The closing date for applications for all of the above posts is **5 pm on Wednesday 27th February 2008.**

Waterford Institute of Technology is an equal opportunities employer.