

**Food, Agriculture and Fisheries, and Biotechnology
Partner Search/Request Form**

Name:	Professor Andrew Gibson
Organisation:	University of Manchester
Department/Unit:	Electrical and Electronic Engineering
Address:	E23/SSB, Sackville St., Manchester, M60 1QD
Country:	United Kingdom
E-mail address:	andrew.gibson@manchester.ac.uk
Telephone:	+44 (0) 161 306 4810
Website address:	http://www.eee.manchester.ac.uk/profiles/index.aspx?ID=82

Please delete as appropriate:

I am offering an expertise and are looking to join a consortium

Call info – activity/area

or

Call info – number

FP7-KBBE-2007-

Topic Title: Microwave and millimetre sensors for food materials characterisation

Please give a brief description of your project if you are looking for partners, or a brief description of your organisation's expertise if you are looking to join a consortium:

Expertise in Food Characterisation using Microwave and Millimetre Methods

We have developed several surface and bulk measurement techniques for characterising food and other materials. We wish to develop these further into on-line measurement systems and to fully investigate the capability. We have fully furnished microwave and millimetre measurement facilities in our laboratories. Currently, we have funding from the EPSRC and work with the Food Science department at Manchester Metropolitan University.

Expertise in Wireless Sensor Networks for Industrial Processes

We currently have 0.75M pounds worth of funding to develop wireless sensor networks for industrial processes. Currently we are applying this to grain processing and handling in mills. There is still much work to be done in this area. For example, we need to research and develop wireless measurement systems for microwave sensors.