The University of Salford achieved an impressive set of results in the latest Research Assessment Exercise (RAE 2008), and is placed in the top third of UK universities for research (in terms of Research Power).

CONTACT PERSON: Dr. Yusuf ARAYICI  http://www.seek.salford.ac.uk/profiles/YARAYICI.jsp
Room 409 Maxwell Building, University of Salford, The Crescent, Greater Manchester, M5 4WT.
E-mail: y.arayici@salford.ac.uk, Phone: 0161 295 6296

Dr Yusuf Arayici is a senior lecturer in the School of the Built Environment (SOBE). He lectures in Computer Aided Design, BIM and Urban regeneration. He was involved in different research projects since 2001 to date, such as the EU funded DIVERCITY (Distributed Virtual Workspace for enhancing Communication and Collaboration) Project. This was a BIM (Building Information Modeling) development and implementation project. Following the DIVERCITY project, he conducted research in the EU funded INTELCITIES (Intelligent Sustainable Cities) Project to develop a conceptual system of building data integration for environmental and context analysis and planning by integrating 3D laser scanner with GIS, virtual environment displays, 3D printers for rapid prototyping and nD modeling database to enhance the refurbishment process in regeneration. This research was also exhibited in the international showcase organized by EPSRC. Following this he continued the research with a particular focus on the IFC data modelling from the laser scanned data for interoperability in the VEPS (Virtual Environmental Planning System) Project undertaken by a Consortium in North-West Europe. He is currently Co-Investigator in the EPSRC funded SUREGEN (Integrated Decision Support System for Sustainable Urban Regeneration) project, and he was a knowledge based supervisor in the KTP project recently completed, examining BIM (Building Information Modeling) implementation in collaboration with John McCall Architects (JMA) located in Liverpool, practicing in the housing and regeneration sector. He is involved in the development of the project-based MSc in Regeneration and Urban Renewal. He is currently supervising PhD students in the area of Geoinformatics and Building Informatics, published over 50 that includes journal and conference papers, articles and monographs, book chapters, and also a book with Prof. Ghassan Aouad, entitled “Requirements Engineering for Computer Integrated Environment”, providing technical guidance for BIM development and implementation, published in January 2010”
He currently undertakes research in the area of the energy domain such as i) retrofitting simulation and assessing retrofitting alternatives in relation to dwellers productivity, ii) developing a geospatial decision support system to decide on the priory neighbourhoods for smart grid implementation, iii) developing soap based thermal insulation materials as an alternative sustainable solution to petroleum based thermal insulation materials in use. He has research interest in post occupancy evaluation, BIM for building performance assessment and Geospatial systems for neighbourhood energy management.”

TARGET RESEARCH GROUPS:
Urban planning, Architecture, Civil engineerering, Geomatic engineering, Environmental Engineering, Computer Engineering, Mechatronics engineering

AIM: POTENTIAL PARTNERSHIP IN A PROJECT.

FOR DETAILS ASK  Asst. Prof. Dr. Zeynep İŞIK  at PROJECT SUPPORT OFFICE, zeynep@yildiz.edu.tr , 0212 383 3214