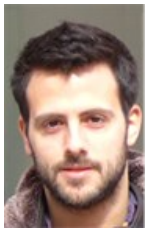
New Civil Engineering faculty members in 2013

Posted on Tuesday 30th July 2013



Nikolaos Antoniou

Research Fellow

Currently involved in the RFCS funded research project "High Strength Steel Long Span Structures" (HILONG). The scope of this project is to investigate innovative cross-sections, structural arrangements and design methods so that the benefits of high strength steel can be maximized. Rresearch within the HILONG project relates mainly to the investigation of the post-buckling behaviour of high strength steel members by means of numerical simulations.

Dr. Susan Lee (http://www.birmingham.ac.uk/staff/profiles/civil/lee-susan.aspx)

Post-doctoral Research Fellow

Works on the Liveable Cities Project, led by Prof. Chris Rogers, developing a City Design Framework which will use radical engineering solutions to provide a liveable, sustainable, low carbon city environment. Susan has worked in a number of disciplines at several northern universities and is particularly interested in the environmental impact of climate change and how this affects the urban setting as well as the natural world.

Dr. Darshan Ruikar

Darshan will be joining the School from Arup where he is a Senior Project Manager with experience in leading the development and implementation of project management and controls systems, and processes within multidisciplinary teams on large infrastructure and building projects. He has a significant track record in demonstrating innovation in the application of information technologies to support project management teams and project control processes, particularly for project delivery. While at Arup he has worked on a number of high profile projects, including London 2012 and HS2 (High Speed 2). He has also provided guidance for the implementation of Project Management and Project Control systems to clients such as E.ON, Olympic Delivery Authority and Land Securities.

Before joining Arup, Darshan achieved his PhD in Civil Engineering from the University of Nottingham and then worked as post-doctoral research associate with Professor Chimay Anumba at Loughborough University in the Construction Informatics group. He has a research interest in programme management, project controls and process automation and making the most effective use of project ICT systems throughout the project life-cycle to support their primary drivers; time, cost, quality and safety.

Dr. Soroosh Sharifi

Soroosh earned his BSc in Civil and Environmental Engineering and MSc in Hydraulic structures from Ferdowsi University of Mashhad before pursuing his PhD at the University of Birmingham in 2006. After graduation, he joined the Catholic University of America in 2010 to serve as a post-doctoral scholar. In the last 10 years, he has worked on several research projects in the areas of hydrology, hydraulics and environmental engineering.

Soroosh's primary research interests lie in the area of river and environmental hydraulics, rainfall-runoff modelling, multi-objective optimization and inverse modelling. He is particularly interested in how physical and data modelling can be coupled to better understand the underlying physics of hydro-environmental processes. A great deal of his research is focused on the application of machine learning and evolutionary computation methods in water sciences.

Other new staff include:

- Julianna Moats, Teaching Fellow
- Andrew Packham, Head of Railway Education and Research Development

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