

Professor Mohammed Raof

PhD, DSc(Eng), FICE, FStructE



Leader of the Structures and Materials Group / Professor of Structural Engineering / Part D (MEng) Year Tutor: Civil Engineering

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Homepage: [open](#)

Publications: [open](#)

Background

First degree in Civil Engineering, MSc in Concrete Structures, PhD in Structural Engineering (all from Imperial College). Industrial experience with Wimpey Offshore Engineers and Constructors

Professional Affiliations

CEng
FStructE
FICE

External Activities

Professor Mohammed Raof has published more than 150 technical papers which, according to the Science Citation Index, have enjoyed more than 600 citations, coupled with the Institution of Civil Engineers' 1985 T.K. Hsieh award, 1991 James Watt Gold medal, and 1993 Trevitick Premium. This is in addition to the Institution of Mechanical Engineers' 1991 CEGB prize, and the Institution of Structural Engineers' 1992-93 Henry Adams Diploma. A substantial number of the formulations developed by Professor Raof and his associates were included in the European pre-standard ENV 1993-2, Eurocode 3. As a consultant, he has been involved with the replacement of the inclined hangers of the first Severn Crossing, as well as the structural integrity assessment of the cables employed in the Queen Elizabeth II Crossing at Dartford, and the Millennium Footbridge in London. From 1992-94, his chair at South Bank University was sponsored by Bridon Ropes plc, and since 1994 he has held the long-established Chair of Structural Engineering at Loughborough University. In 2001, in recognition of his professional achievements, the 14th Khawarizmi International award endorsed by UNESCO was presented to him personally by the President of Iran, and, in 2002, he was awarded a DSc (Eng) in the field of Structural Engineering and Mechanics from University of London. In addition, in 2008, he was awarded an Honorary Doctorate from the Georgian Technical University, Tbilisi, Georgia.

Broad Interests and Expertise

Application of Structural Mechanics to Steel and/or Concrete Structures, and development of constitutive relations for materials.

Research Interests

Static, dynamic, hysteretic, and fatigue properties of Structural helically wound cables, numerical methods such as non-linear finite-strip and finite element methods as applied to concrete structures, repair and upgrading of concrete structures, contact stress theory, composite materials.

Research Group

Structures and Materials

Other Information

Visiting professor at Czech Technical University, Prague, Czech Republic; also Visiting professor at Georgian Technical University Tbilisi, Georgia. Industrial links include Bridon Ropes plc, Transport Research Laboratories, ENEL Hydro Spa in Italy, Ove Arup and Partners, etc. Close Collaboration with Imperial College of Science, Technology, and Medicine, London, and South Bank University, London. External Assessor Examiner for numerous Universities within U.K. and Abroad. Doctor of Science (Engineering) in the field of Structural Engineering and Mechanics awarded 31 May 2002 by the University of London (Imperial College of Science, Technology and Medicine).