

Dr Ahmed Elamin

Personal Details

Assistant Professor in Structural Engineering

Qualifications

BEng (Hons) Civil Engineering (Sudan University of Science and Technology)
MSc Civil Engineering: Structural Engineering (University of Nottingham)
PhD Civil Engineering (University of Nottingham)

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Biography

Ahmed holds first class BEng (Hons) from Sudan University of Science and Technology (SUST). Upon graduation Ahmed worked for SUST as Teaching Assistant. He then moved to industry to work for White Nile Petroleum Operating Company as Construction Engineer (field base) for almost three years. In 2008, Ahmed joined the MSc program at the University of Nottingham which he completed with Distension. He was then awarded the Dean of Engineering Research Scholarship for International Excellence to pursue his PhD at the University of Nottingham. During his PhD, Ahmed was heavily involved in civil Engineering labs and tutorials demonstration.

Ahmed joined The University of Nottingham Ningbo in 2014 and has been contributing to teach and research in the Faculty of Engineering since then.

Ahmed has research interest in structural engineering focusing in:

- Steel connections
- Concrete-filled Structural Hollow Sections
- Blind Bolted connections
- Numerical Modelling of steel connections
- Structural analysis and design using computers

Professional Memberships

- The Institution of Civil Engineers, UK.
- The Institution of Structural Engineers, UK.
- The World Society of Sustainable Energy Technologies, UK.
- Sudan Engineering Society, Sudan.
- Sudanese Engineering Consul, Sudan.

Teaching

- H22NAS Non-Linear Analysis of Structures
- H22INS Indeterminate Structures
- H23S07 Steel Structures
- H22A12 Steel Design Project

Publications

- Elamin, W. Tizani and N. Abd Rahman, The face bending behaviour of concrete filled structural hollow sections. In Proceedings of the International Conference on Computing in Civil and Building Engineering (ICCCBE 2010), 30 June-2 July 2010, Nottingham, UK.
- Elamin, W. Tizani and M. Mahmood, Bolts Gauge Effect on the Face Bending Behaviour of Concrete-Filled Hollow Section for Holo-Bolted Connections. In Proceedings of the International Integrated Engineering Summit (IIES 2014), 1-4 December 2014, Johor, Malaysia.
- M. Mahmood, W. Tizani and A. Elamin, Experimental investigation of anchored length on face bending behaviour of blind bolted connection. In Proceedings of the International Conference on Civil Engineering, Energy and Environment (CEEE 2014), 13-14 December 2014, Hong Kong.

Research Grant

- Member of the team who was awarded a research grant for the project: 'Multi-discipline structural health monitoring using GNSS and Frequency analysis'.

Awards

- The Dean of Engineering Research Scholarship for International Excellence, The University of Nottingham, UK.
- Postgraduate Research Poster Competition (Finalist), The University of Nottingham, UK.