

Dr Hossam Abuel-Naga

Dr. Abuel-Naga has been appointed as Senior Lecturer in Geotechnical Engineering, School of Mechanical, Aerospace, and Civil Engineering, The University of Manchester, in 2011. Before, he was working as Senior Lecturer in Geomechanics Group, Department of Civil and Environmental Engineering, The University of Auckland, New Zealand. From 1995 to 2002, he worked for Misr Raymond Foundations, Egypt, specializing in design and construction of dewatering systems as well as soil investigation. In 2002, he joined the Asian Centre for Soil Improvement and Geosynthetic, Thailand, as Research Engineer where he worked on effective utilization of geosynthetics for environmental preservation and to mitigate existing geotechnical problems in Asia and the Pacific. From 2006 to 2008, he worked as a Research Fellow at Monash University, Australia.

Dr Abuel-Naga's research area is focused on soil behaviour under multi-physical coupled processes. Applications of this include nuclear waste disposal technology, methane hydrate mining technique, heat exchangers built-in in building foundations, ground improvement, landfill lining system, petroleum and other energy resource engineering, pavement thermo-chemo-mechanics, dynamics of pore space in agricultural soils, soil weathering, and more.

Dr. Abuel-Naga's research output includes about 50 publications during the last 5 years where 50% of them were appeared in international journals and one of his journal papers was given an award in 2008. Moreover, his research activities are recognized at the international level. He serves as a reviewer for most of A+ journals in his field. Furthermore, he was invited to serve as a panellist in the review of NSF-CAREER proposals submitted to the Geomechanics and Geomaterials Program and the Geotechnical Engineering program, USA. Finally, he is a member of the research team that won the prestigious NZ-Marsden Fund in 2010 regarding the behaviour of methane hydrate sediments.