

ISSMGE 2017 Schofield Lecture

Design oriented model testing for offshore applications

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Bio notes

Mark Randolph holds the Fugro Chair in Geotechnics in the Centre for Offshore Foundation Systems at the University of Western Australia. His two main research interests are piled foundations and offshore geotechnics, co-authoring books in each area: Piling Engineering, now in its third edition, and Offshore Geotechnical Engineering. He has published over 250 journal articles, providing novel solutions to practical problems. Although his research has embraced centrifuge model testing, numerical analysis and plasticity solutions, his primary focus has always been on developing simplified models of analysis that are suitable for application. These have included various pieces of software for analysis and design of piles and pile groups.

Professor Randolph interacts closely with industry, both in research and through his role as Technical Advisor within Fugro AG. He is a Fellow of several learned academies, including the Royal Society and the Australian Academy of Science, and in 2013 was elected Scientist of the Year in Western Australia. In 2015 he received an honorary doctorate from ETH Zurich.