

# Offshore Geotechnical Engineering

Mark Randolph and Susan Gourvenec

With contributions from  
David White and Mark Cassidy

Centre for Offshore Foundation Systems  
University of Western Australia



**Spon Press**

an imprint of Taylor & Francis

# Contents

<i>List of figures</i>	vi
<i>Preface</i>	xxi
<i>Notation</i>	xxiv
1 Introduction	1
2 The offshore environment	10
3 Offshore site investigation	29
4 Soil response	113
5 Piled foundations	145
6 Shallow foundations	236
7 Anchoring systems	308
8 Mobile jack-up platforms	361
9 Pipeline and riser geotechnics	404
10 Geohazards	444
<i>Bibliography</i>	484
<i>Index</i>	516