



- [1] Che, S., **Schroeder, F.C.**, Kontoe, S., Jardine, R.J. & Barbosa, P. (2025). Optimising back analyses of offshore pile driving in weak rocks with a data-driven approach. *Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2025, Nantes, France*
- [2] Grammatikopoulou, A., **Schroeder, F.C.**, Sailer, E., Taborda, D.M.G. & Potts, D.M. (2025). The interpretation of triaxial test data and its effect on the numerical analysis of monopiles founded in sand. *Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2025, Nantes, France*
- [3] Brosse, A., Christopher, N., Che, S., Lo, F., **Schroeder, F.C.**, Barwise, A. & Ghasemi, P. (2025). Using Machine Learning Clustering Techniques as a Support for Optimizing the Laboratory Testing Campaign of an Offshore Wind Farm. *Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2025, Nantes, France*
- [4] Suryasentana, S.K., **Schroeder, F.C.** & O'Boyle, B.F. (2025). Back-analysis and insights on suction caisson self-weight penetration from Seagreen 1 offshore wind farm. *Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2025, Nantes, France*
- [5] Shonberg, A., Jardine, R.J., **Schroeder, F.C.** & Harte, M. (2025). Advanced pile load test measurement systems developed for a full-scale pile load test campaign offshore Taiwan. *Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2025, Nantes, France*
- [6] Tantivangphaisal, P., Taborda, D.M.G., Kontoe, S., **Schroeder, F.C.** & Grammatikopoulou, A. (2025). Multi-directional and combined force-moment limit state envelopes for the design of offshore monopiles founded in sands. *Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2025, Nantes*
- [7] Hamilton, C., Richmond, A., Dingle, H., Ashcroft, I. McCann, G., Lira, M., **Schroeder, F.C.** & Goudar, D. (2025). Probabilistic design of suction caisson jackets under sustained tension loading. *Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2025, Nantes, France*
- [8] Suryasentana, S.K., O'Boyle, B.F., Davidson, J., Bartkus, S., **Schroeder, F.C.** & Zhou, Z. (2025). Enhancing CPT-Based Suction Caisson Penetration Design: Insights from Back-Analysis of Large-Scale Field Installation Data. *ASCE J. of Geotechnical and Geoenvironmental engineering*, 151(7)
- [9] Shonberg, A., Harte, M., Jardine, R.J., **Schroeder, F.C.**, Molyneaux, E.C.G. & Perikleous, G. (2023). Full scale pile load testing for an offshore wind farm. *Proc. 9th Int. Conf. Offshore Site Investigation and Geotechnics – OSIG 9, London, UK.*
- [10] Scarfone, R., **Schroeder, F. C.**, Silvano R., Jardine R. J., & Cathie D. (2023). Divergence between CPT based method predictions for the axial capacities of large offshore piles driven in sand. *Proc. 9th Int. Conf. Offshore Site Investigation and Geotechnics – OSIG 9, London, UK.*
- [11] Cathie, D., Jardine, R.J., Silvano, R., Kontoe, S. & **Schroeder, F.C.** (2023). Axial capacity ageing trends of large diameter tubular piles driven in sand. *Soils & Foundations*, 63(6)
- [12] Grammatikopoulou, A., **Schroeder, F.C.**, Sailer, E., Taborda, D.M.G. & Potts, D.M. (2023). On the application of constitutive models with an emphasis on offshore engineering applications. *Proc. 10th Eur. Conf. Num. Meth. Geotech. Engng., NUMGE 2023. London, UK (Ed. Zdravkovic, Kontoe, Taborda, Tsiampousi).* <https://doi.org/10.53243/NUMGE2023-437>
- [13] Cathie, D., Jardine, R.J., Silvano, R., Kontoe, S. & **Schroeder, F.C.** (2022). Pile setup in sand – the "PAGE" joint industry project. *Proc. 11th Int. Conf. on Stress Wave Theory and Design and Testing Methods for Deep Foundations (SW2022), Rotterdam, The Netherlands*
- [14] Dekker, M. Christensen, J. Richards, I., **Schroeder, F.C.** & Jardine, R.J. (2022). Data processing of fibre-optic strain gauge data for axial pile load testing. *Proc. 11th Int. Conf. on Stress Wave Theory and Design and Testing Methods for Deep Foundations (SW2022), Rotterdam, The Netherlands*

- [15] Kragelund, J.J., Duroska, P., Shonberg, A., Perikleous, G., **Schroeder, F.C.** & Potts, D.M. (2022). Application of the PISA framework for slender jacket piles. Proc. 20th Int. Conf. Soil Mech. Geotech. Engng., Sydney, Australia (Ed. Rahman & Jaksa) pp 2621-2625.
- [16] Buckley, R., Kontoe, S., Jardine, R.J., Barbosa, P. & **Schroeder, F.C.** (2020). Pile driveability in low-to medium-density chalk. Canadian Geotechnical Journal, 58(5), pp 650-665
- [17] **Schroeder, F.C.**, Grammatikopoulou, A., Barwise, G., Mackinnon, S., Jardine, R.J. & Potts, D.M. (2020). The use of numerical analysis to aid the design of monopile foundations for a North Sea offshore wind farm. Proceedings of the International Symposium on Frontiers in Offshore Geotechnics. Deep Foundations Institute, pp. 1566-1575.
- [18] Grammatikopoulou, A., **Schroeder, F.C.**, Pedone, G., Brosse, A.M., Sørensen, T., Taborda D.M.G. & Potts, D.M. (2020). 3D Finite Element Analysis of monopiles and its application in offshore wind farm design. Proceedings of the International Symposium on Frontiers in Offshore Geotechnics. Deep Foundations Institute, pp. 1221-1230.
- [19] Buckley, R., Jardine, R.J., Kontoe, S., Barbosa, P. & **Schroeder, F.C.** (2019). Full-scale observations of dynamic and static axial responses of offshore piles driven in chalk and tills. Géotechnique, <https://doi.org/10.1680/jgeot.19.TI.001>
- [20] Buckley, R., Jardine, R.J., Kontoe, S., **Schroeder, F.C.** & Barbosa, P. (2019). The design of axially loaded driven piles in chalk. Proc. 17th Eur. Conf. on Soil Mech. and Geotech. Engng – XVII ECSMGE 2019, Reykjavik, Iceland
- [21] Jardine, R.J., Buckley, R., Kontoe, S., Barbosa, P. & **Schroeder, F.C.** (2018). Behaviour of piles driven in chalk. Engineering in Chalk: Proc. Chalk 2018 Conf., London, UK, pp 33-51
- [22] Buckley, R., Jardine, R.J., Kontoe, S., Parker, D. & **Schroeder, F.C.** (2018). Ageing and cyclic behaviour of axially loaded piles driven in chalk. Géotechnique, 68, No. 2, pp 146-161
- [23] Grammatikopoulou, A., **Schroeder, F.C.**, Brosse, A.M., Andersen, K.W. & Potts, D.M. (2017). On the use of constitutive models in numerical analyses of offshore structures. 8th Int. Conf. on Offshore Site Investigation and Geotechnics – OSIG 8, London, pp 423-430
- [24] Byrne, B. W, McAdam, R., Burd, H. J., Houlsby, G. T., Martin, C. M., Beuckelaers, W. J. A. P., Zdravkovic, L., Taborda, D. M. G., Potts, D. M., Jardine, R. J., Ushev, E., Liu, T., Abadia Gomez, D., Gavin, K., Igoe, D., Doherty, P., Skov Greflund, J., Pacheco Andrade, M., Muir Wood, A., **Schroeder, F.C.**, Turner, S. & Plummer, M. A. L. (2017). PISA: new design methods for offshore wind turbine monopiles. 8th Int. Conf. on Offshore Site Investigation and Geotechnics – OSIG 8, London, UK, pp 142-161
- [25] Buckley, R., Jardine, R.J., Kontoe, S., Liu, T., Ushev, E., Lehane, B.M., Pine, T., **Schroeder, F.C.** & Barbosa, P. (2017). Field investigations into the axial loading response of displacement piles in chalk. 8th Int. Conf. on Offshore Site Investigation and Geotechnics – OSIG 8, London, UK pp 1178-1185
- [26] Buckley, R., Kontoe, S., Jardine, R.J., Maron, M., **Schroeder, F. C.** & Barbosa, P. (2017). Common pitfalls of pile driving resistance analysis - A case study of the Wiking offshore windfarm. 8th Int. Conf. on Offshore Site Investigation and Geotechnics – OSIG 8, London, UK pp 1246-1253
- [27] Barbosa, P., Geduhn, M., Jardine, R.J. & **Schroeder, F. C.** (2017). Large scale offshore static pile tests – practicality and benefits. 8th Int. Conf. on Offshore Site Investigation and Geotechnics – OSIG 8, London, UK, pp 644-651
- [28] **Schroeder, F. C.**, Merritt, A. S., Andersen, K. W., Muir Wood, A., Thilsted, C. L. & Potts, D. M. (2015). Predicting monopile behaviour for the Gode Wind offshore wind farm. Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2015, Oslo (Ed. V. Meyer)
- [29] Zdravkovic, L., Taborda, D. M. G., Potts, D. M., Jardine, R. J., Sideri, M., **Schroeder, F. C.**, Byrne, B. W, McAdam, R., Burd, H. J., Houlsby, G. T., Martin, C. M., Gavin, K., Doherty, P., Igoe, D., Muir Wood, A., Kallehave, D. & Skov Greflund, J. (2015). Numerical modelling of large diameter piles under lateral loading for offshore wind applications. Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2015, Oslo (Ed. V. Meyer)

- [30] Byrne, B. W, McAdam, R., Burd, H. J., Houlsby, G. T., Martin, C. M., Zdravkovic, L., Taborda, D. M. G., Potts, D. M., Jardine, R. J., Sideri, M., **Schroeder, F. C.**, Gavin, K., Doherty, P., Igoe, D., Muir Wood, A., Kallehave, D. & Skov Greflund, J. (2015). New design methods for large diameter piles under lateral loading for offshore wind applications. Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2015, Oslo (Ed. V. Meyer)
- [31] Barbosa, P., Geduhn, M., Jardine, R. J., **Schroeder, F. C.** & Horn, M. (2015). Full scale offshore verification of axial pile design in chalk. Proc. Int. Symp. Frontiers in Offshore Geotechnics – ISFOG 2015, Oslo (Ed. V. Meyer), pp 515-520
- [32] Jardine, R. J., Merritt, A. S. & **Schroeder, F. C.** (2015). The ICP Design Method and Application to a North Sea Offshore Wind Farm. Int. Conf. Foundations and Equipment Expo, ASCE Geotechnical Special Publication 256 (Eds. M. Iskander, M. Suleiman, J. Anderson & D. Laefer) pp 247-256
- [33] Grammatikopoulou, A., **Schroeder, F. C.**, Kovacevic, N., & Potts, D.M. (2015). Stiffness anisotropy and its effect on the behaviour of deep excavations. Proceedings 16th European Conference on Soil Mechanics and Foundation Engineering (XV ECSMGE), Edinburgh, UK.
- [34] Byrne, B. W, McAdam, R., Burd, H. J., Houlsby, G. T., Martin, C. M., Gavin, K., Doherty, P., Igoe, D., Zdravkovic, L., Taborda, D. M. G., Potts, D.M., Jardine, R.J., Sideri, M., **Schroeder, F. C.**, Muir Wood, A., Kallehave, D. & Skov Greflund, J. (2015). Field testing of large diameter piles under lateral loading for offshore wind applications. Proc. 16th Eur. Conf. on Soil Mech. and Geotech. Engng – XVI ECSMGE 2015, Edinburgh
- [35] Martinez, R., **Schroeder, F. C.** & Potts, D.M. (2015). Numerical study of long-term settlement following twin tunnel construction. Obras y Proyectos, 17, pp 23-29
- [36] Doherty, P., Igoe, D., Murphy, G., Gavin, K., Preston, J., McAvoy, C., Byrne, B. W, McAdam, R., Burd, H. J., Houlsby, G. T., Martin, C. M., Zdravkovic, L., Taborda, D. M. G., Potts, D. M., Jardine, R. J., Sideri, M., **Schroeder, F. C.**, Muir Wood, A., Kallehave, D. & Skov Greflund, J. (2015). Field validation of fibre Bragg grating sensors for measuring strain on driven steel piles. Géotechnique Letters, 5, Issue April–June, pp 74-79
- [37] **Schroeder, F. C.**, Merritt, A. S., Menkiti, C. O., Caianiello, M., Potts, D. M. & Sorge, R. (2014). Assessing the effect of constructing the Colosseo/Fori Imperiali station on the Basilica di Massenzio in Rome, Italy. Proc. 8th Eur. Conf. on Num. Meth. in Geotech. Engng – NUMGE 2014, Delft (Eds M.A. Hicks, R.B.J. Brinkgreve & A. Rohe)
- [38] Grammatikopoulou, A., **Schroeder, F. C.**, Gasparre, A., Kovacevic, N. & Germano V. (2014). The influence of stiffness anisotropy on the behaviour of a stiff natural clay. Geotechnical and Geological Engineering, 32(6), 1, pp 1377-1387
- [39] Merritt, A. S., **Schroeder, F. C.**, Jardine, R. J., Stuyts, B., Cathie, D. & Cleverly, W. (2012). Development of pile design methodology for an offshore wind farm in the North Sea. 7th Int. Conf. on Offshore Site Investigation and Geotechnics – OSIG 7, London, pp 439-447.
- [40] Grammatikopoulou, A., **Schroeder, F. C.**, Kovacevic, N., Germano, V. & Gasparre, A. (2011). The influence of stiffness anisotropy on the behaviour of a stiff natural clay. Proc. 15th Eur. Conf. on Soil Mech. and Geotech. Engng– XV ECSMGE, Athens, Greece, pp 545-550
- [41] **Schroeder, F. C.**, Higgins, K. G., Wright, P. & Potts, D. M. (2011). Assessment of overbridge openings on the London Underground tunnel network. Proc. 15th Eur. Conf. on Soil Mech. and Geotech. Engng– XV ECSMGE, Athens, Greece, pp 1733-1738
- [42] **Schroeder, F. C.**, Jardine, R. J., Kovacevic, N. & Potts, D. M. (2008). Assessing well drilling disturbance effects on offshore foundation piles in clay. ASCE J. of Geotechnical and Geoenvironmental engineering, 134, No. 9, pp 1261-1271
- [43] **Schroeder, F. C.**, Jardine, R. J., Kovacevic, N. & Potts, D. M. (2007) Potential effects of well drilling operations on foundation piles in clay. Proc. 6th Int. Conf. on Offshore Site Investigation and Geotechnics – OSIG 6, London, pp 271-276

- [44] Franzius, J. N., **Schroeder, F. C.**, Grammatikopoulou, A., Cabarkapa, Z., Higgins, K. G. & Potts, D. M. (2007) Comparison of different approaches to model compensation grouting. Proc. 10th Int. Conf. on Numerical Models in Geomechanics - NUMOG X, Rhodes (eds G.N. Pande & S. Pietruszczak), Taylor & Francis Group, pp 359-364
- [45] **Schroeder, F. C.**, Day, R. A., Potts, D. M. & Addenbrooke, T. I. (2007) A quadrilateral isoparametric shear deformable shell element for use in soil-structure interaction problems. ASCE Int. J. Geomechanics, 7, No. 1, pp 44-52
- [46] **Schroeder, F. C.**, Potts, D. M. & Addenbrooke, T. I. (2004) The use of slip coatings to mitigate the effects of pile loading on existing tunnels. Proc. 9th Int. Conf. on Numerical Models in Geomechanics - NUMOG IX, Ottawa (eds G.N. Pande & S. Pietruszczak), Balkema, pp 453-459.
- [47] **Schroeder, F. C.**, Potts, D. M. & Addenbrooke, T. I. (2004) The influence of pile group loading on existing tunnels. Géotechnique, 54, No. 6, pp 351-362
- [48] **Schroeder, F. C.** (2003) The influence of bores piles on existing tunnels. Ph.D. Thesis, University of London (Imperial College).
- [49] **Schroeder, F. C.** (2002) The influence of bored piles on existing tunnels - A case study. Proc. 15th Eur. Young Geotechnical Engineers Conf., Dublin (eds T.L.L. Orr & M. Long), pp 247-253
- [50] **Schroeder, F. C.** (2002) The influence of bored piles on existing tunnels - A case study. Ground Engng, 35(7), pp 32-34
- [51] Addenbrooke, T. I. & **Schroeder, F. C.** (2002) Numerical analysis of the pile-enhanced raft at the Queens Elizabeth II Conference Centre in London, UK. Proc. 9th Int. Conf. on Piling and Deep Foundations, Nice, pp 227-234
- [52] **Schroeder, F. C.**, Addenbrooke, T. I. & Potts, D. M. (2002) A study of common simplifications used in three dimensional finite elements analyses. Proc. 8th Int. Conf. on Numerical Models in Geomechanics - NUMOG VIII, Rome (eds G.N. Pande & S. Pietruszczak), Balkema, pp 265-270.
- [53] **Schroeder, F. C.**, Addenbrooke, T. I. & Potts, D. M. (2002) A numerical investigation into the impact of pile group loading on tunnels. Proc. 2nd Int. Conf. On Soil Structure Interaction in Urban Civil Engineering, Zurich, pp 205-212.
- [54] Chudleigh, I., Higgins, K. G., St John, H. D., Potts, D. M. & **Schroeder, F. C.** (1999) Pile-tunnel interaction problems. Proc. Tunnel Construction & Piling '99, London. The Hemming Group Ltd., pp 172-185.