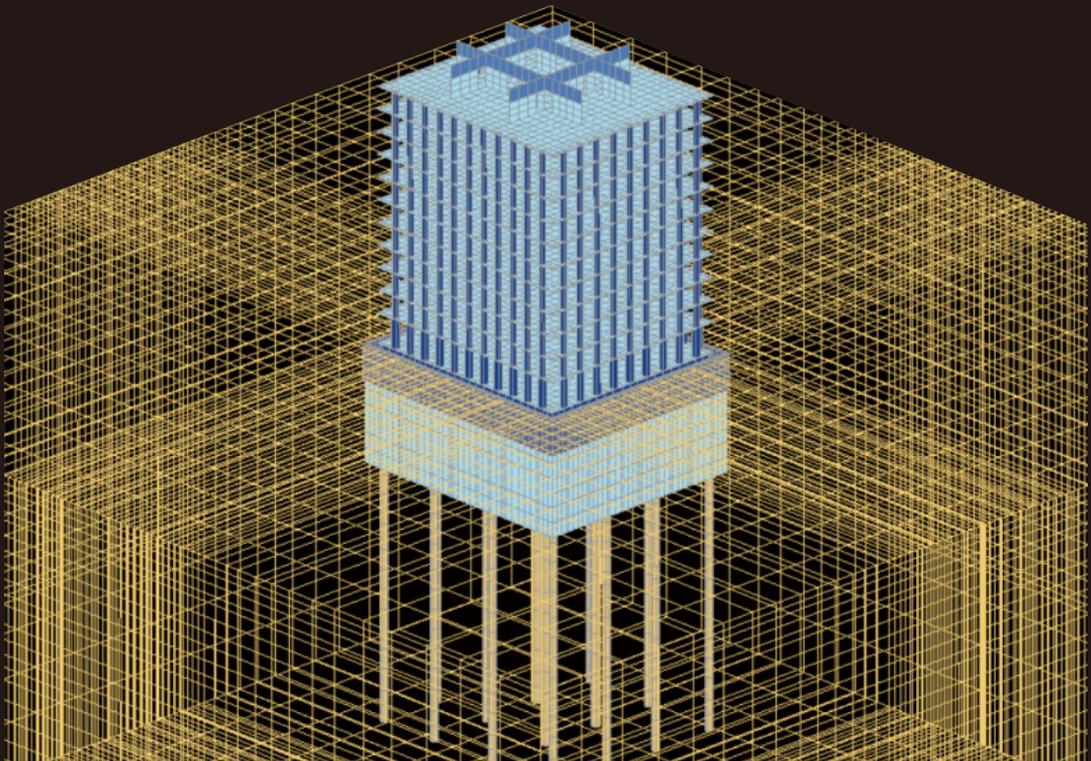


IPA Booklet Series



International Press-in Association

Pile Foundation



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Preface

In the wake of a very recent Turkey and northern Syria earthquake, the world demanded further action in managing this natural disaster. So far, more than 40,000 people died and unknown numbers injured or displaced. It was reported around 25,000 buildings have either collapsed or suffered severe damage. In the past, a series of deadly earthquakes and tsunamis hit many places in the world and leave a very painful scenario for many. In response to the challenge, International Press-in Association was motivated to publish this IPA Booklet Series.

This booklet is an edited version of a series of articles that appeared in the IPA Newsletter since 2017. It provides a review of some development history, innovation in foundation engineering concepts, the performance of several foundation setups and preparations of guidelines in certain countries. The combination of views from prominent geotechnical professionals in a perspective of the real practices and case studies, research and development at the university and implementations in different countries are highlighted for this edition. It is hope that this publication will provide a platform for practitioners and academicians in bridging the gap between these two main directions. On behalf of the IPA Publicity Committee and International Press-in Association, I would like to express my thank you to all contributors to the articles.

This booklet is suitable for engineers, professionals, academicians, policymakers, research students, technologists and those who are interested to embark on a journey of newer technology and sustainability in foundation engineering. Hopefully, the publication will supplement the readiness of engineering society in facing future environmental disruptions, natural disasters and new coming challenging situations. Do enjoy the reading.

Nor Azizi Bin Yusoff
Vice president of IPA
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Note: Minor modifications have been applied to the original articles. The cover image is taken from page 39 of this booklet.

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Hidetoshi Nishioka and Masayuki Koda

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