

Press-in Retaining Structures: A Handbook

Second Edition, 2021



International Press-in Association

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Preface

Press-in piling was emerged from the needs for installing sheet piling safely and silently in practice a half century ago. The first edition (2016) of Press-in retaining structures: a handbook, attempted to translate accumulated vast field experiences into a framework of foundation engineering, and brought together useful information related to design and construction practices of retaining structures by the press-in piling together with a number of case history worldwide.

The publication of the Handbook Second edition in 2021 is the revised version of the 2016 edition. The intentions behind this revision include: (i) to align the contents with the revised “Design and Construction Guidelines of the Press-in Method” (in Japanese, published in 2020), (ii) to reflect the advances in the press-in piling machine and the research works in the past five years, (iii) to improve descriptions for readability and useability of the handbook, and (iv) to be concise by eliminating certain items in the 2016 edition.

To those who are interested in case histories related to press-in piling, please refer to “New Horizons in Piling – Development and Application of Press-in Piling” by Malcolm Bolton et al. published by CRC Press in 2020 and “Press-in Piling Case History Volume 1 by International Press-in Association (IPA) Research Committee, published by IPA in 2019.

As the Chair of the Editorial Committee on this handbook, I would like to express my sincere thanks for all the committee members listed below.

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