



International Society for Soil Mechanics and Geotechnical Engineering
Société Internationale de Mécanique des Sols et de la Géotechnique

Dr Bak Kong Low (B. K. Low)
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Winner of the ASCE 2019 Thomas A. Middlebrooks award

(List of past winners of Thomas A. Middlebrooks award:
<https://www.asce.org/career-growth/awards-and-honors/thomas-a-middlebrooks-award/thomas-a-middlebrooks-award-past-award-winners>)

Author of the book “*Reliability-based design in soil and rock engineering*”, CRC Press 2021, 399 pages <https://www.routledge.com/9780367631390>

He has been listed among the [top 2% scientists in a global list](#) released by Stanford University.

Academic Qualifications:

BS - Massachusetts Institute of Technology - 1979

MS - Massachusetts Institute of Technology – 1979 (Thesis supervisors: Herbert H. Einstein, and Daniele Veneziano)

PhD - University of California, Berkeley – 1985 (Thesis supervisors: James M. Duncan, and James K. Mitchell)

Brief Biodata:

He is a Fellow of the American Society of Civil Engineers since 2000, and [for 35 years \(1985-2020\)](#) taught at [Nanyang Technological University, Singapore](#).

He has conducted research while on [sabbatical visits](#) at the following places:

- ❖ Hong Kong University of Science and Technology, hosted by the late Wilson H. Tang
- ❖ University of Texas at Austin, hosted by Robert Gilbert
- ❖ Norwegian Geotechnical Institute, hosted by Suzanne Lacasse

In 2019, he received the Thomas A. Middlebrooks Award from ASCE, and gave technical talks on reliability-based design in 13 cities in Asia, Australia, New Zealand and USA between August 2019 and March 2020.

He is married; has two children. He likes nature, reading, writing and travel.

Interests related to TC304:

- Reliability-based design (RBD) in soil and rock engineering
- Risk and uncertainty analysis in geotechnical engineering
- RBD-via-FORM to complement Eurocode 7 and LRFD
- Soil and rock slope reliability analysis

Web links:

- More about me at <http://alum.mit.edu/www/bklow> (Alias URL provided by MIT to its alumni)
- List of my publications at <https://www.mygeoworld.com/profile/bak-kong-low>
- A 28-minute video of an ASCE Webinar by me at https://youtu.be/UG3MZFx8_EY
Or click the video link at the bottom of <https://www.routledge.com/authors/i21471-bak-kong-low>
- A 14-minute video of research presentation by me at
<http://virtualuniversity.issmge.org/courses/course-v1:ISSMGE+TC304-102+2020/about>