



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)
PhD UC Berkeley, MS BS MIT
Fellow ASCE, PE (Malaysia)
Citizen of Singapore
Email: bklow@alum.mit.edu



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>