



International Symposium on Life-cycle Engineering and Sustainability of Infrastructure

鋼與混凝土基礎設施全生命周期之安全、
經濟與永續發展國際研討會



Objective

Life-cycle engineering and sustainability are invariably the missions or goals in the design and construction of most civil infrastructure systems. The strategies to achieve these missions are the challenges of all engineers, but particularly of civil engineers where long-term sustainability is often essential.

The planned symposium is part of the activities in the Global Network Project of the Taiwan Tech awarded by the Ministry of Education of Taiwan under the leadership of Prof. Shi-Shuenn Chen as the principal investigator.

This Symposium, to be held on November 9-11, 2017 at the Taiwan Tech, is intended to provide a forum for the discussion and exchange of information and strategies among engineers in practice, engineering researchers and educators, and promising graduate students. Through such exchanges, it is the hope of the organizers that the missions will continue to be pursued in the future.

Much research and development have been accomplished and published by academic researchers in the fields of life-cycle engineering and sustainability; these include recent development of whole life performance, optimal design for life-cycle cost, and for sustainability of engineering systems. In order to further advance engineering, some of these research accomplishments need to be implemented in engineering practice. This requires special efforts on the part of the entire engineering profession, including the following:

- Mutual understanding of the needs and limitations between practicing engineers and academic researchers. For example, simplification of research results is essential.
- Willingness of researchers to provide the essential tools and basic information for practical implementation of research results.
- Willingness of practicing engineers to learn of new tools for implementing research findings.

The aims of the planned Symposium, therefore, are to emphasize emerging and current technology of life-cycle engineering and sustainability, and also to encourage wider implementation of the existing technology.

Keynote Speakers



Alfredo H-S. Ang
NAE Member, Emeritus Professor
University of California, USA



Bilal M. Ayyub
Professor, Director of the
Center for Technology
and Systems Management
University of Maryland, USA



Dan M. Frangopol
Professor, Fazlur R. Khan Endowed
Chair of Structural Engineering and
Architecture
Lehigh University, USA



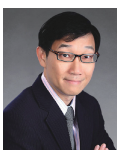
Sang-Hyo Kim
Professor, School of Civil and
Environmental Engineering,
Yonsei University, Seoul, Korea



David De Leon
Professor, School of engineering
Autonomous University of Mexico
State, Mexico



Jie Li
Distinguished Professor, Dept.
of Structural Engineering Director,
Research Group of Modern RC
Structures and Life Engineering
Tongji University, China



Kok Kwang Phoon
Distinguished Professor, Dept. of
Civil & Environmental Engineering
National University of Singapore,
Singapore



Yan-Gang Zhao
Professor, Dept. of Architecture, faculty of Engineering Chair,
Dept. of Architecture and Building Engineering,
Graduate school of Engineering
Kanagawa University, Japan

Call For Papers

Prospective authors of papers for the Symposium are encouraged to submit short abstracts of papers (limited to 200-300 words) for presentations at the Symposium and publication of the respective full papers in the Proceedings volume.

The deadline for submission of abstracts is **15 September 2017**.

Please submit your abstract at <http://www.islesi2017.ntust.edu.tw/submissions.html>

Important Dates

- Submission of Abstracts
- Review and Approval of Abstracts
- Submission of Full Papers
- Review & Approval of Full Papers
- Submission of The Final Full Papers
- Conference Date

Extended to September 15, 2017
September 27, 2017
October 4, 2017
October 15, 2017
October 25, 2017
November 9-11, 2017

Registration

Registration to attend the Symposium will include the following:

- Attendance, presentations, and participations at all the technical sessions.
- Attendance at all the social events, including the Welcome Reception and the Banquet.
- Receipt of one proceedings volume.
- Lunches and coffee breaks for the duration of the Symposium.

Proceedings

All the papers presented in the technical program will be published in a bound volume of the Symposium. The language of all the papers will be in English.

Venue and Schedule

The symposium will be held on the campus of the National Taiwan University of Science & Technology (Taiwan Tech), in Taipei, Taiwan. The tentative dates of the Symposium are 9-11 November 2017, with registration on the 9th and conference on the 10-11th.

Organizing Committees

Symposium Chair	Prof. Shi-Shuenn Chen – Director of TBTC; former President of Taiwan Tech
Steering Committee	Prof. Cheng-Cheng Chen – Chairman of Dept. of Construction Engineering, Taiwan Tech, Chair Prof. Shi-Shuenn Chen – ex-officio Prof. Alfredo. H-S. Ang – University of California Prof. I-Tung Yang-President of Taiwan Construction Research Institute (TCRI) Prof. Shang-Hsien (Patrick) Hsieh–National Taiwan University Prof. Jianye- Ching – National Taiwan University
International Scientific Committee	Prof. Alfredo. H-S. Ang – University of California, USA , Chair Prof. Jie Li – Tongji University, China, co-Chair Prof. Shi-Shuenn Chen – Taiwan Tech, ex-officio Prof. Hongwei Huang – Tongji University, China Prof. Yangang Zhao – Kanagawa University Prof. Bilal M. Ayyub – University of Maryland Prof. Paolo Gardoni – University of Illinois at Urbana-Champaign, USA Prof. Billie F. Spencer – University of Illinois at Urbana-Champaign, USA Prof. Bruce Ellingwood – Colorado State University, USA Prof. Dan Frangopol – Lehigh University, USA Prof. Jianbing Chen – Tongji University, China Prof. Zhao-Hui Lu – Central South University, China Prof. Hitoshi Furuta – Kansai University, Japan Prof. Y. Fujino – Yokohama University, Japan Prof. Tsuyoshi Takada (高田毅士) -University of Tokyo, Japan Prof. Song Junho-Seoul National University, Korea Prof. S-H. Kim – Yonsei University, Korea Prof. Kok Kwang Phoon – National University of Singapore, Singapore Prof. Ser Tong QUEK – National University of Singapore, Singapore Prof. Li Min Zhang – Hong Kong University of Science & Technology, Hong Kong Prof. H. K. Tung – Hong Kong University of Science & Technology, Hong Kong Prof. R. Melchers – University of Newcastle, Australia

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