Special Column on "Safety Performance of Major Civil Engineering under Multi-disaster Coupling Environment"

Guest Editor： Prof. KE Shitang

Dr. KE Shitang is currently a professor in the department of civil engineering at Nanjing University of Aeronautics and Astronautics (NUAA). His research interests cover structural wind resistance and wind energy. Dr. KE received his Ph.D. degree in Civil Engineering from Tongji University in 2011 and also received the certification of First Class National Registered Structural Engineer in China. He is the Principle Investigator (PI) on many projects, including 1 National virtual simulation experiment teaching program, 1 National key research and development program, 4 projects of National Natural Science Foundation, 7 provincial scientific research projects, and more than 20 wind engineering research projects sourced from industries. His impacts on the field are illustrated by his publication record and citation record. As the first author or corresponding author, Prof. KE has published more than 170 journal articles (i.e., 45 indexed by SCI, 80 by EI, and 2 by F5000). His journal papers on the Chinese high-quality academic journal article has obtained more than 420 total citations (105 for SCI). He is the inventor on 13 patents and 12 software copyrights, and has authored/co-authored 4 books as well. His research achievements have been recognized by 3 industrial standards and 4 provincial level science and technology awards. In particular, Prof. KE is the winner of the first prize of Jiangsu Science and Technology Progress Award.

Civil engineering infrastructure and civil, industrial buildings are faced with earthquake, wind, wave, explosion and other natural disasters or dynamic loads caused by human factors during the service period. In recent years, the academia has made great achievements in the research on the structural safety performance and design method of civil engineering under the single and multi-disaster coupling environment, but how to improve the safety performance of major civil engineering structures under the dynamic multi-disaster coupling environment is still a great challenge. At present, Safety Performance of Major Civil Engineering under Multi-disaster Coupling Environment is becoming an increasingly important issue in the field of civil engineering and has received worldwide research interest.

To benchmark the state of research in Safety Performance of Major Civil Engineering under Multi-disaster Coupling Environment, Transactions of Nanjing University of Aeronautics & Astronautics (TNUAA) intends to present a Special Column on "Safety Performance of Major Civil Engineering under Multi-disaster Coupling Environment". It is dedicated to improve the response, damage and design methods of major civil structures in dynamic multi-disaster coupled environment. The special column is so honored to invite Prof. KE Shitang from Nanjing University of Aeronautics and Astronautics as the guest editor.

TNUAA is devoted to the dissemination of original archival research papers on theoretical developments, novel applications and case studies regarding pressing issues in aeronautics, astronautics, and civil aviation. As a peer-reviewed journal published bimonthly, TNUAA has been indexed by the predominant databases such as Ei Compendex (USA), EBSCO (USA), Scopus (Holland), Mathematical Review (USA), Cambridge Scientific Abstracts (CSA), SA (England), Zbl (Germany), Chinese Science Citation Database (CSCD), Chinese S&T Journal Citation Reports (CSTJCR), etc.

Topics

The topics of Special Column on "Safety Performance of Major Civil Engineering under Multi-disaster Coupling Environment" include, but are not limited to, the following:

- Dynamic properties and constitutive models of civil engineering materials
- Seismic, wind and explosion resistance of civil engineering structures
- Safety performance of civil engineering structures under multi-disaster coupling
- Dynamic calculation and numerical method for civil engineering structures under multi-disaster coupling
- Dynamic test method of civil engineering structures under multi-disaster coupling
- New energy, new structures and other related structural protection fields

Important Dates

Full paper due for review: August 25th, 2019

Notification of results of first review cycle: October 10th, 2019

Revised paper submission due for Editor Board Meeting: October 25th, 2019

Final notification of results of Editor Board Meeting: November 1th, 2019
Publication in print due: January 31th, 2020

Submission Instructions

We welcome paper submissions between 6 and 12 pages, written in English. Paper submissions must not have been previously published. A paper is considered to have been previously published if it has appeared in a peer-reviewed journal, magazine, book, or meeting proceedings that is reliably and permanently available afterward in print or electronic form to non-attendees, regardless of the language of that publication. Complete papers should be submitted electronically in the online submission and peer view system (http://tnuaa.nuaa.edu.cn) or by E-mail (tnuaa@nuaa.edu.cn), entitled "Contribution to Special Column on SPCEMCE".

Both Research Articles and Reviews are welcome. For the instructions on preparing a manuscript and the required style and format, please see the Word document "Transactions of NUAA sample 2019 (Latest).docx". TNUAA pursues a double-blind peer review policy, meaning both the authors and the reviewers remain anonymous to each other. Submissions (including citations) should not contain information that unnecessarily identifies the authors and their affiliations. For questions, please contact Guest Editor Prof. KE Shitang, and Executive Editor Ms. ZHANG Tong. Please notify Prof. KE, and Ms. ZHANG when submitting the manuscript. For anyone who already has a paper under review and wishes to have it considered for this special issue, please send the request to Guest Editors Prof. KE, and copy the request to Ms. ZHANG.

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