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Dr. Cheung Sai Hung (Joseph) is currently an Assistant Professor in the School of Civil and Environmental Engineering at Nanyang Technological University. He obtained his PhD in Civil Engineering from the California Institute of Technology (Caltech) with a GPA of 4.1 (A+) in 2009. He got his Bachelor degree with First-class honors in Civil and Structural Engineering with a Minor in Mathematics and his Master degree in Civil Engineering from the Hong Kong University of Science and Technology (HKUST). He was one of the students (of the order of 12) among all Hong Kong students, who was able to obtain straight A's in all subjects of the Hong Kong Advanced Level Examination (HKALE) in 1998, the open exam for admission to the Hong Kong Universities. During the period of March 2009-August 2010, he was a postdoctoral fellow at the Institute of Computational Engineering and Sciences (ICES) at the University of Texas at Austin (UT Austin) where he was involved in a multidisciplinary research project funded by the U.S. Department of Energy (DOE) with focus to the problem of a NASA space vehicle entry into an atmosphere.

Research Interests

His research interests include Catastrophe risk modeling, analysis, mitigation and management due to natural disasters and man-made hazards; Reliability and risk engineering and science; Computational stochastic dynamics; Complexity science; Earthquake engineering, Performance-based engineering; Optimal decision making, design and control under uncertainty; Climate change impact modeling and studies; Uncertainty quantification, System identification; Structural health monitoring; Sustainable urban planning and development.