

**Virtual Summer School**  
**A Short Course**

**Venue:** High speed train research centre, Railway campus, Central South University, Changsha, Hunan, China.

时间: 2021年8月5、6、9、12日

Time: 2021.08.05、06、09、12

方式 (Via) : VooV (腾讯视频)

房间号 (Room ID number) : 753 8470 0265

加入房间请实名 (please use your real name before entering the room)

*Instructor: Professor S Adhikari, Swansea University, UK*

Date	Time	Course name
8月5日 5 August	北京时间: 16.00-18.00; 21.00-22.00; London Time: 9.00-11.00; 14.00-15.00	压电振动能量收集 (Energy harvesting Piezoelectric vibration energy harvesting )
8月6日 6 August	北京时间: 15.45-18.00; London Time: 8.45-11.00	动力学系统的数字孪生 (Digital twin for dynamic systems)
8月9日 9 August	北京时间: 15.00-16.30; London Time: 8.00-9.30	阻尼系统动力学 (Dynamics of Damped systems)
8月12日 12 August	北京时间: 16.00-18.00; 21.00-22.00; London Time: 9.00-11.00; 14.00-15.00	高级不确定传播法 (Advanced uncertainty propagation methods)
September	时间待定(TBA)	模型修正(Model updating)

Virtual Summer...



## The Teaching Faculty



**Prof Adhikari (PhD, Cambridge)** is the Chair Professor of Aerospace Engineering at the College of Engineering of Swansea University. He Received the Wolfson Research Merit Award from the Royal Society (UK academy of sciences). He was an Engineering and Physical Science Research Council (EPSRC) Advanced Research Fellow and winner of the Philip Leverhulme Prize in Engineering (given to an outstanding scholar under the age of 35). He obtained his Ph.D. in Engineering at the Trinity College of the University of Cambridge. He was a lecturer at the Bristol University and a Junior Research Fellow in Fitzwilliam College, Cambridge. From 2015 he has been a Distinguished Visiting Professor at the University of Johannesburg (South Africa). He was a visiting Professor at the University of Paris East (France), Carleton University (Canada) and a visiting scientist at the Los Alamos National Laboratory (USA).

Professor Adhikari's research stands on three fundamental footing - structural dynamics, probabilistic methods and computational mechanics. His research works use these basic principles to understand cutting-edge multiscale and multidisciplinary problems in applied science and engineering. Specific research areas include uncertainty quantification in computational mechanics, dynamics of complex systems, inverse problems for linear and non-linear dynamics, vibration energy harvesting, wind turbines and dynamics of nanoscale systems. He has obtained more than £3.0M of competitive research funding as a principal investigator, published 5 books, 333 peer-reviewed journal papers (Scopus h-index=59) and more than 200 conference papers in these areas. He was the recipient of the Jawaharlal Nehru Memorial Trust (London) scholarship at the Trinity College, Cambridge (1997). In 1999 he won the best student paper prize (John Winbolt Prize) from the Cambridge University for a single-authored paper in the AIAA Journal. In 2001 he won the second prize from the Acoustical Society of America for the best student paper/presentation in the 141st Meeting in Chicago. Later that year, he received the junior research fellowship (in science and engineering) from Fitzwilliam College, Cambridge. Professor Adhikari received the EPSRC advanced research fellowship award in 2004. He was a member of the winning project team in the EPSRC Ideas factory Workshop on Scientific Uncertainty and Decision Making (awarded £338,591).

### **Contact:**

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Google Scholar: [tKM35S0AAAAJ](https://scholar.google.com/citations?user=tKM35S0AAAAJ)