



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

JOINT SEMINARS ON MATHEMATICS AND MECHANICAL & AEROSPACE ENGINEERING

| Speaker: Dr. Wei CHEN Senior Engineer, GE (retired) | | Venue: Room 4504 (Lifts 25/26) |
|--|----------------------|--|
| Date | Time | Title |
| 9 Jan 2023 (Mon) | 11:30-12:30pm | Combustion Design in Turbomachinery |
| <p><u>Abstract</u></p> <p>A combustor is the critical component in a turbomachine and produces thermal energy for airplanes and gas turbines. It embodies the most advanced technologies in engineering and manufacturing. Therefore, the advancement of combustion technologies reveals the level of sophistication of integration of science, engineering and industrial capabilities.</p> <p>Through this seminar, we will learn the basics, processes, manufacturing, design, engineering and science from the world leading companies of combustion design. The challenges and perspectives of the future developments from engineering point of view. As a future engineer, how to best prepare ourselves and be successful in future. The seminar covers the types and functions of combustors, combustor design and testing, the state-of-art computational modeling in design, and future development.</p> <p>For the career in turbomachinery, the knowledge of combustion design will be significantly important.</p> | | |

All are Welcome!