

Introduction of Interdisciplinary Engineering for Fluid Mechanics: Luminescent Imaging and Chemical Flow Control



講者 : Dr. Hirotaka Sakaue
 時間 : 10/21(MON) 13:30~15:00
 地點 : 工程五館324室
 主持人 : 劉耀先 教授 (交大機械)
 黃智永 教授 (清大動機)

An interdisciplinary study on experimental fluid dynamics and chemistry is presented. Two columns of research topics are introduced: luminescent imaging and chemical flow control. By the cross linkage of the luminescent imaging and chemical flow control, Dr. Sakaue's interdisciplinary studies have covered a broad spectrum of research initiatives including fluid dynamics, flow control, green energy/environmental engineering, and biomedical engineering. With these four signature fields, Dr. Sakaue has more concentrated on fluid dynamics and flow control.

About The Speaker

Dr. Hirotaka Sakaue is an associate professor at the Department of Aerospace and Mechanical Engineering, University of Notre Dame. He had spent over ten years at Japan Aerospace Exploration Agency (JAXA) as a researcher before joining Notre Dame.

Education

BS in Biomolecular, Tokyo Institute of Technology, 1996

MS in Aeronautics and Astronautics, Purdue University, 1999

PhD in Aeronautics and Astronautics, Purdue University, 2003

