

PROFESSIONAL TRAINERS



Professor Ir. Dr Mohd Zulkifly Abdullah
B.Eng. (Swansea, UK), M.Sc., PhD (Strathclyde, UK)
*Electronic Packaging in 3D Packaging and TSV,
Advanced Electronic Cooling for High Heat Flux,
Porous Medium Burner for Domestic Applications*



Associate Professor Dr Farzad Ismail
B.Eng., M.Sc., PhD (University of Michigan, USA)
CFD for compressible flow and numerical analysis



Dr Ahmad Zulfaa Mohamed Kassim
B.Eng., M.Sc., PhD (University of Minnesota, USA)
Fluid Dynamics, Vehicle Aerodynamics & Aircraft Noise



Dr Noorfazreena Mohammad Kamaruddin
B.Eng., M.Sc. (USM), PhD (University of Manchester, UK)
Experimental Aerodynamics & Flight Dynamics



Dr Mohammad Hafifi Hafiz bin Ishaik
B.Eng., M.Sc., PhD (Universiti Sains Malaysia)
*CFD numerical method (lattice Boltzmann method),
applied fluid-structure interaction of CFD in electronic
packaging and optimization (response surface method)*



Dr Chang Wei Shyang
B.Eng., PhD (Universiti Sains Malaysia)
*CFD numerical method development, applied CFD
(past works involved gas-particle flow, fluid-structure
interaction)*

“HANDS-ON EXPERIENCE”



TENTATIVE

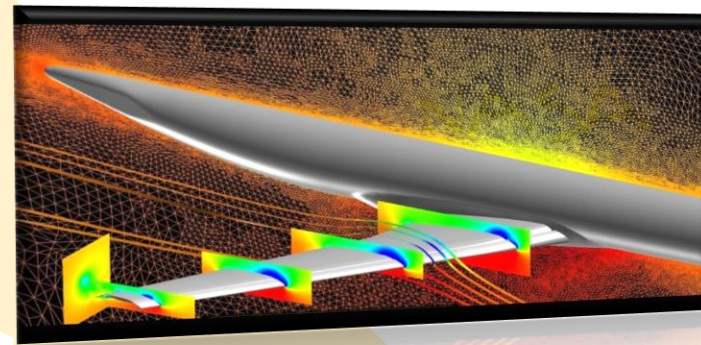
DAY 1: WEDNESDAY, 16 OCTOBER 2019

- 8.30- 8.45 am: Registration & Breakfast
- 8.45- 9.00 am: Welcoming remarks
- 9.00-11.00 am: Introduction to CFD
 - Compressible Flow
 - Incompressible Flow
- 11.00- 1.00 pm: Hands-on session 1
 - CFD: Compressible Flow
 - CFD: Incompressible Flow
- 1.00- 2.30 pm: Lunch break
- 2.30- 4.45 pm: Hands-on session 2
 - CFD: Case Study
 - CFD: Analysis
 - Q & A
- 4.45- 5.00 pm: Tea break
Photography Session

DAY 2: THURSDAY, 17 OCTOBER 2019

- 8.30- 9.00 am: Registration & Breakfast
- 9.00-11.00 am: Introduction to Wind Tunnel
- 11.00- 1.00 pm: Hands-on session 1
 - Case Study
 - Open-loop wind tunnel
 - Quantitative measurement
 - Q & A
- 1.00- 2.30 pm: Lunch break
- 2.30- 4.45 pm: Hands-on session 2
 - Case Study
 - Closed-loop wind tunnel
 - Qualitative measurement
 - Flow visualization technique
 - Q & A
- 4.45- 5.00 pm: Tea break
Photography Session
Closing Ceremony

* Subject to change

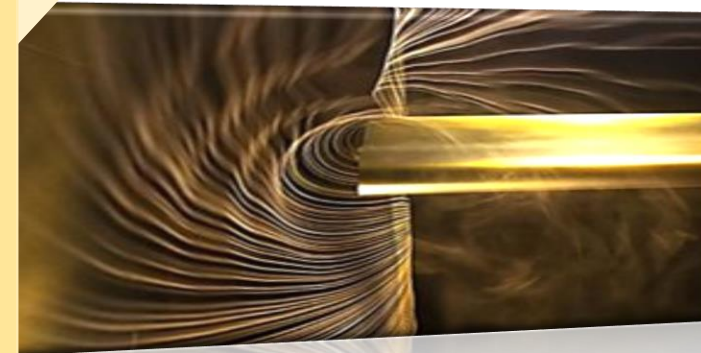


2-DAY PROFESSIONAL CFD & WIND TUNNEL SHORT COURSE

BEGINNER LEVEL

16-17 OCTOBER 2019

**SCHOOL OF AEROSPACE ENGINEERING
UNIVERSITI SAINS MALAYSIA**



SCHOOL OF AEROSPACE ENGINEERING
PUSAT PENGAJIAN KEJURUTERAAN AEROANGKASA



Registration & Fees

Registration fee is inclusive of SST (Reg. No: P11-1808-31026043), short course modules and materials, hands-on workshop, breakfast, lunch, tea and certificate. Fees:

- Student = RM 1000
- USM Staff = RM 1100
- Individual = RM 1500
- Group = RM 1200/person
(Minimum 3 participants from the same organization/company)



Please note that seats are limited and early registration is strongly recommended to secure your place before **15 September 2019**.

REGISTRATION FORM

Name:

IC No:

Position:

Phone:

Email:

Organization/Company:

Address:

Kindly register online at <https://forms.gle/HP3Kkxfb4x5AkLct5> or submit your registration form via email to our Secretariat at:

✉ fakriah@usm.my or ✉ fazreena@usm.my

The Secretariat will send an email of confirmation upon receiving the registration form.

PAYMENT METHOD:

Enclosed is my total payment of RM.....to be made through:

1. Purchase Order (PO)
2. Cash Cheque (Cheque No)
3. Payment can be made directly to the following account:

Payment to : USAINS HOLDING SDN BHD
Bank : AMBANK (M) BERHAD
Account No. : 888 – 100 – 985 – 0380

- Please provide proof of transaction by **email** to our Secretariat
- Please present the slip/PO/Cheque at registration counter
- Proof of ID is compulsory for Student or USM Staff
- Please note that the fee is non-refundable but replacement of participant is allowed

Objectives



To provide an early exposure on the application of CFD and wind tunnel measurements as a practical tools to solve fluid flow problems.



To provide theoretical and hands-on experience on CFD simulations and wind tunnel experiments as part of engineering tools.

Who should attend the course?

- Engineers
- Researchers
- Academicians
- Students
- Anyone who wishes to gain knowledge on CFD & Wind tunnel measurements

HURRY UP!
Limited Seats Available

For any inquiries, please:

Contact Us



Secretariat

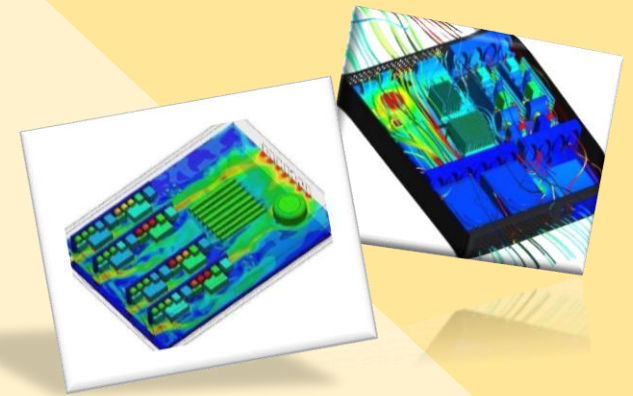
CFD-Wind tunnel Short Course
School of Aerospace Engineering
Engineering Campus USM
14300 Nibong Tebal, Pulau Pinang
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“We provide CFD & Wind tunnel comparative analysis. Real case study....”

“Don’t worry if you have never learn CFD or touch any wind tunnel previously. We are here to offer the experience....”

“CFD & Wind tunnel hands-on experience....”

