

Industry Applications of Numerical Analysis

11th October 2017 | 3pm - 5pm

NTU School of Mechanical and Aerospace Engineering ([LT11](#))

Nanyang Technological University, [50 Nanyang Avenue, Singapore 639798](#)

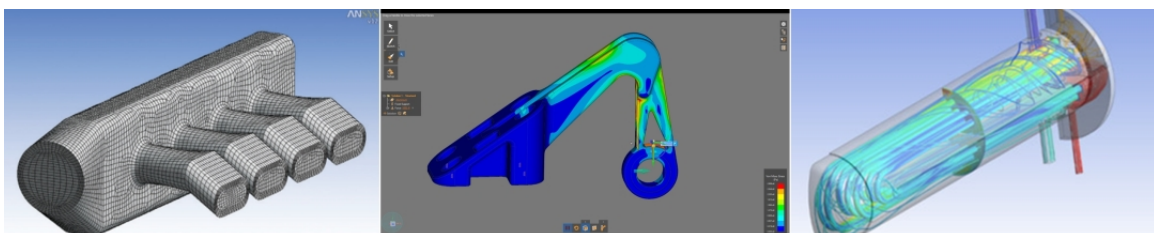
REGISTER HERE

Numerical analysis and simulation are changing how products and processes are analysed and engineered. Register for this half-day seminar to familiarise yourself with current breakthroughs in simulation technology and enhance your skillset.

Our engineering experts will be presenting the latest developments in engineering simulation technology, including a showcase of industrial applications of CFD and FEA technologies.

There will also be a preview of a new, innovative, tool that will change how simulation software are used. This new tool is built on a new solver architected specifically to exploit graphic processing unit (GPU) technology, making digital exploration through simulation available to all engineers.

Register now to learn more.



Seminar Agenda

- Introduction to Computational Fluid Dynamics (CFD):
Capabilities and new features in current CFD solver (overset mesh, optimization)
 - Introduction to Finite Element Analysis (FEA):
Capabilities of FEA (vibration analysis, stress/strain, harmonics)
 - Fluid Structure Interaction (FSI):
Multi-physics interactions between fluid flow and structural analysis.
 - High Performance Computing (HPC):
Effective usage of increasing hardware capability to perform scalability of computing performance, as well as how HPC expands the range of simulations which were previously not feasible.
 - Industry Applications:
Real life applications of both CFD and FEA simulations in the industry.
 - Next generation simulation tools.
-

Presenters' Profile



Dr Vincent Choi is currently a technical consultant at CAD-IT Consultants (Asia) Pte Ltd. He is part of the technical team that supports customers in various disciplines. He graduated from NTU with a Ph.D. in Mechanical and Aerospace Engineering, where his thesis is focused on flapping wings aerodynamics for unmanned vehicles. He has worked as a project officer for DSTA project on debris flight analysis and as a Research Engineer at NIDEC Singapore.

He Yawei joined CAD-IT in October 2015. He has two Masters degrees, from NTU and Wuhan University of Technology. Prior to joining CAD-IT, he worked as a Mechanical design engineer and had been in charge of 10 projects within 4 years. He is currently an Applications Engineer, focusing on ANSYS Multiphysics (Mechanical +Maxwell+ SCADE).



CAD-IT Consultants (Asia) Pte Ltd

159 Sing Ming Road #03-05 Amtech Building Singapore 575625

Tel: (65) 6508-7575 Fax : (65) 6454-3766

email: caditevents@cadit.com.sg

<http://www.cadit.com.sg>

We respect your privacy. If you wish to unsubscribe from our mailing list, please ***[click here](#)*** to
unsubscribe

Copyright 2017 CAD-IT. All right reserved