



Department of Aerospace Engineering Online Bulletin

1ST QUARTER 2023





NATIONAL INSTRUMENTS LABVIEW AND NI DAQ INTRODUCTORY WORKSHOP

Date : 13/10/2022 (Thursday)

Time : 9.00 am - 4.00 pm

Venue : UPM-NI Embedded System Lab, Level 2,
Faculty of Engineering (**formerly Computer Lab 3**)

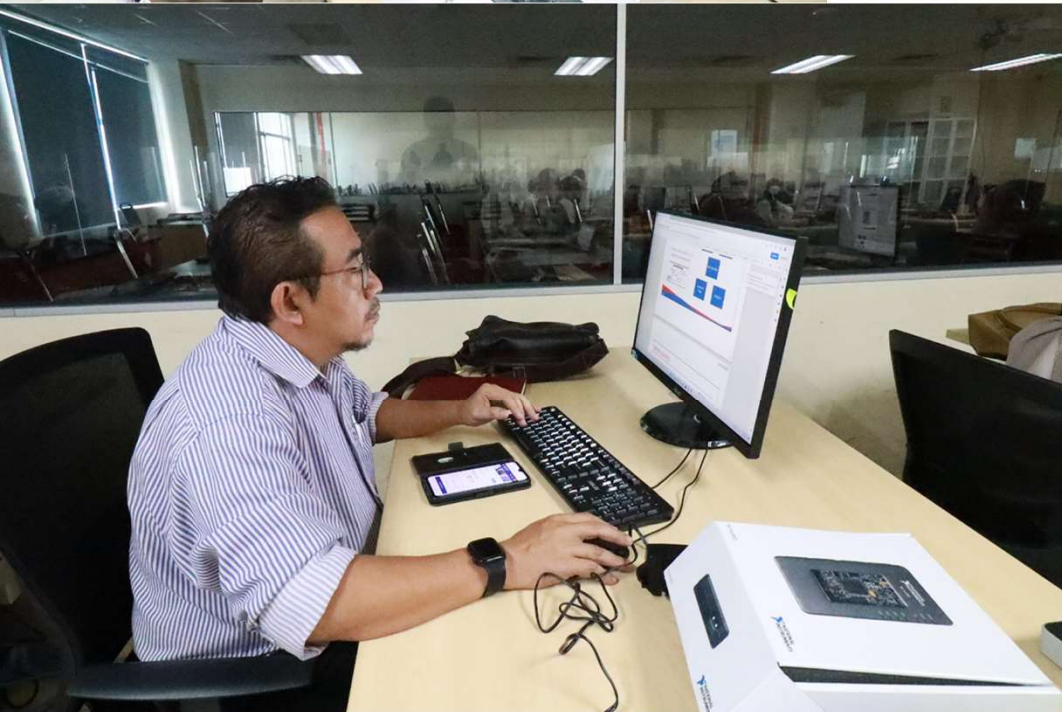


Faculty of Engineering, UPM, 13 October 2022- Department of Aerospace Engineering, Universiti Putra Malaysia organized the National Instruments LABVIEW and Ni DAQ Introductory Workshop at UPM-NI Embedded System Lab, Level 2, Faculty of Engineering. This one day workshop objectives are to give exposure on LABVIEW program, explain graphical programming language, and introduce system engineering software to the majority of the Faculty of Engineering's community. The session was held in hybrid mode.



The labview workshop covers elements such as Explore LabVIEW Environment, Introduction to Virtual Instruments, Internet-of-Things, Data Acquisition, NI ELVIS III. Align with the Industrial Revolution 4.0, the 3rd element which states “automated production using electronics, programmable logics controllers (PIC), IT system and robotic”, this workshop can contribute to the development of new digitalize system in engineering application.

Nur Hamiza Meor Hamzah, invited speaker from Visi Adacemy, conducted a session on Introduction to IoT: Data Acquisition with NI myRIO and LabVIEW. In her session, she clarifies the importance of LABVIEW in engineering applications.



CONNECT TO ANY
HARDWARE



CUSTOM UI FOR
DATA AND
REPORTING



DEPLOY TO
MULTIPLE TARGETS



DRAW AND DROP
ANALYSIS LIBRARIES



INTEGRATE
MULTIPLE
PROGRAMMING



MULTIPLE FILE TYPES



PARALLEL
PROCESSING AND
MULTICORE



PROGRAM THE WAY
YOU THINK

“LabVIEW is a visual programming language: it is a system-design platform and development environment that was aimed at enabling all forms of system to be developed. LabVIEW was developed by National Instruments as a workbench for controlling test instrumentation.”



1 DECEMBER 2022

1st UPM-NMIT International Workshop: Composite & Non-Destructive Test

Universiti Putra Malaysia | Nitte Meenakshi Institute of Technology

About This Workshop

1st UPM-NMIT International Workshop: Composite & Non-Destructive Test (NDT) is a hybrid workshop (conducted online and offline) showcasing high-end knowledge sharing session presented by 6 exceptional speakers from both Malaysia and India, experts in their respective field of Composite & NDT research and application. This workshop is the first in its series, jointly organised by UPM and NMIT, and is hosted by UPM for this round.

1 December 2022

Time (MYT UTC+8)	Activities
8:00AM - 8:30AM	Online Registration
8:30AM - 9:00AM	Opening Remarks: Assoc. Prof. Dr. Noorfaizal Yidris Head of Department of Aerospace Engineering, UPM
9:00AM - 10:00AM	Assoc. Prof. Ts. Dr. Norkhairunnisa Mazlan Geopolymer: Traditional Binder With Potential Applications
10:00AM - 11:00AM	Dr. Siti Madiha Muhammad Amir NDT For Composites
11:00AM - 12:00PM	Dr. Loh Yueh Feng Conversion of Agri-commodity Biomass to Wood and Biocomposite Products
12:00PM - 1:00PM	Lunch Break
1:00PM - 2:00PM	Dr. J. Sudheer Reddy An Insight into Polymer And Composites Processing Through FDM
2:00PM - 3:00PM	Prof. Dr. Kiran Aithal S. Functionally Graded Material: Processing And Applications
3:00PM - 4:00PM	Asst. Prof. Dr. Avinash L. Experimental & Numerical Studies Of Dual Particle Size Reinforced Al Metal Matrix Composites
4:00PM - 4:30PM	Closing Remarks: Dr. H. C. Nagaraj Principal, Nitte Meenakshi Institute of Technology

Invitation Link Via Zoom

Join Zoom Meeting: <https://zoom.us/j/91803634978?pwd=WHNkdU5WTDZlZWpSczZGTHVpY1ZBRDQ0>

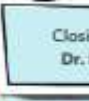
Meeting ID: 918 0363 4978

Passcode: 092439

Jointly Organised By



Opening Remarks By
Assoc. Prof. Dr. Noorfaizal
Yidris



Closing Remarks By
Dr. H. C. Nagaraj



Ta. Dr.
Norkhairunnisa
Mazlan
Assoc. Professor,
Dept. of Aerospace
Engineering, UPM



Dr. J. Sudheer
Reddy
Dean,
International
Relations, NMIT



Dr. Siti Madiha
Muhammad
Amir
Research Officer,
Industrial Tech.
Division, Malaysian
Nuclear Agency



Dr. Kiran
Aithal S.
Professor,
Department of
Mechanical
Engineering, NMIT



Dr. Loh Yueh
Feng
Sr. Research Officer,
Fibre &
Biocomposite
Centre, MTIB



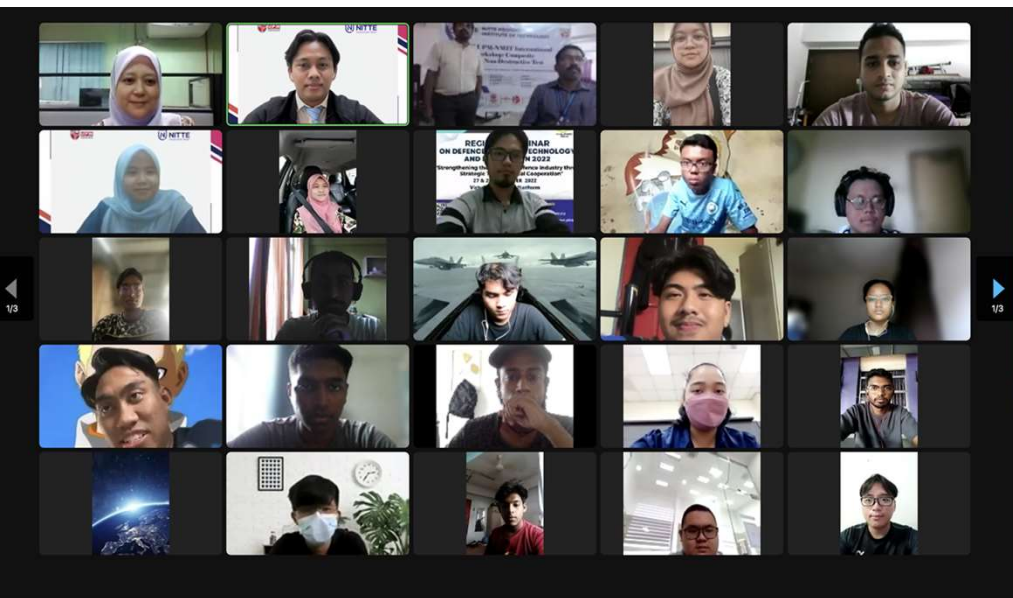
Dr. Avinash L.
Asst. Professor,
Department of
Mechanical
Engineering,
NMIT

Faculty of Engineering, UPM, 1 December- Department of Aerospace Engineering, Universiti Putra Malaysia jointly organized with Nitte Meenakshi Institute of Technology (NMIT) has organized the 1st UPM-NMIT International Workshop: Composite & Non-Destructive Test. This workshop was conducted online through Zoom. This informative workshop session aims to share the knowledge and research opportunities in the field of composite and non-destructive test.

In this workshop, the 6 invited speakers are experts in their own respective field; 3 of them are from Malaysia and 3 others are from NMIT. The invited speakers from Malaysia are Assoc. Professor Ts. Dr. Norkhairunnisa Mazlan, Dr. Siti Madiha Muhammad Amir, and Dr. Loh Yeah Feng. Respectively, the invited speakers from NMIT are Dr. J. Sudheer Reddy, Dr. Kiran Aithal S., and Dr. Avinash L.

Assoc. Professor Dr. Noorfaizal Yidris, Head of Aerospace Department UPM, gave the opening remarks to kick-off the workshop.

UPM-NMIT JOINTLY ORGANISED WEBINAR



“This workshop provides opportunities to researchers and students alike to explore potential research elements in the field of composite and NDT”, said Assoc. Professor Dr. Noorfaizal Yidris in his opening remarks. Additionally, this first UPM-NMIT International Workshop series is a great initiative to strengthen the bonds between UPM and NMIT as research collaborators.

“I hope that we can have more research activities together as well as student exchange programs between UPM and NMIT after this first UPM-NMIT International Workshop kick-starts our collaboration” said Dr. Mohd Firdaus Abas, Chairman of the 1st UPM-NMIT International Workshop.

The event ended with an appreciation speech by Dr. H. C. Nagaraj, NMIT Principal, in his closing remarks.

Scope

AEROTECH VIII conference is a platform for academia, government agencies and industries to share current status in aerospace technologies, expand professional networking, and also offer possible collaborations for technology advancement. The conference has now entered into its eighth edition since its inception in 2005, organised by the Department of Aerospace Engineering, Universiti Putra Malaysia.

This year, AEROTECH will be held at Universiti Putra Malaysia Faculty of Engineering.

Co-organizers are Universiti Sains Malaysia and Islamic World Academy of Sciences.

CONFERENCE THEME

Towards a Brighter Future in Aviation & Aerospace Industries After Covid-19



Organized by



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Collaborators



AEROTECH VIII SECRETARIAT

Department of Aerospace Engineering
Faculty of Engineering
Universiti Putra Malaysia
43400 Serdang, Selangor
Malaysia

conference.upm.edu.my/AEROTECH

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AEROTECH VIII

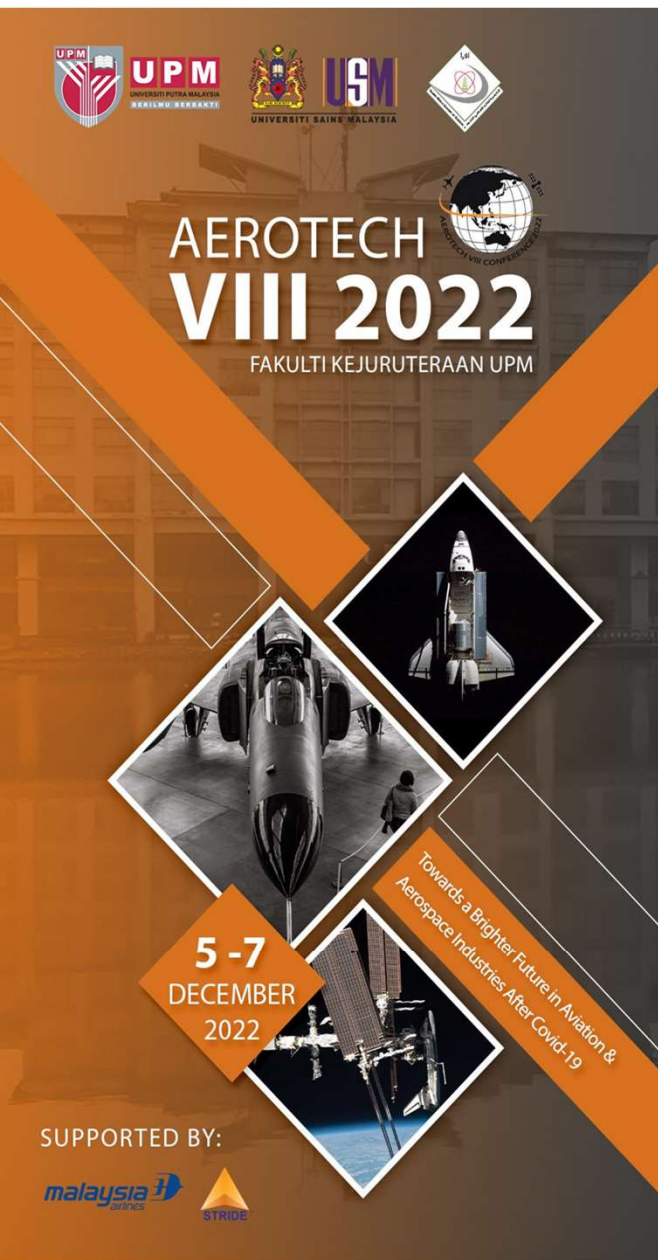
*Towards a Brighter
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After Covid-19*

Faculty of
Engineering,
Universiti Putra
Malaysia

5-7
December
2022

conference.upm.edu.my/AEROTECH





Faculty of Engineering, UPM, 5 December- Department of Aerospace Engineering, Universiti Putra Malaysia in collaboration with Universiti Sains Malaysia, STRIDE, and Malaysia Airlines, organized the AEROTECH VIII 2022 Conference at the Faculty of Engineering, UPM. This event was inaugurated by the Vice Chancellor of Universiti Putra Malaysia (UPM) himself, Professor Dr. Mohd Roslan Sulaiman in the Opening Ceremony. The conference was participated by more than 10 universities and was conducted in hybrid mode.

AEROTECH VIII 2022 Conference is a platform where experts and academic researchers share their research findings.



The AEROTECH VIII 2022 Conference was chaired by Professor Ir. Ts. Dr. Mohamed Thariq Haji Hameed Sultan, Department of Aerospace Engineering, UPM. A total of 6 speakers were invited; Professor Ir. Dr. Shahnor Basri, Professor Dr. Mohd Zulkifly Abdullah, Professor Yu Cao, Dr. Umran Abdul Rahman, Dr. M. Chandra Sagar, and Dr. K. Balasubramanian. The conference covers Aerospace field of application which includes aeronautic, astronautic, and aerospace application.

The AEROTECH VIII 2022 Conference was closed with Best Presenter Award, Montage, and Closing Remarks by Professor Ir. Dr. Mohd Khairul Anuar Mohd Ariffin, Dean of Faculty of Engineering, UPM.