# Virtual Industrial Talk 2021: Material Testing (in collaboration with CTRM Testing Laboratory)



Reported by: Assoc. Prof. Ts. Dr. Hamimah Abd. Rahman, Universiti Tun Hussein Onn Malaysia, UTHM-IMM Student Chapter Advisor

Date: 6<sup>th</sup> June 2021 Venue: Google Meet Platform

An online industrial talk entitled 'Material Testing: The Importance of Testing in Aerospace Manufacturing Industry' was jointly organized by the Functional Composite Structure (FCS) Focus Group, Universiti Tun Hussein Onn Malaysia (UTHM) - Institute of Materials, Malaysia (IMM) Student Chapter and Mechanical Postgraduate Association (MEPA). The talk was successfully held on 6<sup>th</sup> June 2021 through Google Meet online platform. This program had attracted 148 participants from UTHM and other institutions, involveing the staff, researchers and students.

The guest speaker Ts. Mohd. Taufik Nordin, Head of CTRM Testing Laboratory (CTRM TL) has 20 years of working experience in the field of composite materials testing. CTRM TL provides fast, flexible, cost competitive and high quality of materials testing services. This talk provided input to the students on how the actual material testing process is carried out at the industry level, especially those related to the composite industry. This talk also provided a platform for the academic staff and researchers to get more information on the materials testing equipment that is available and offered by CTRM TL for external researchers as well as created an opportunity for research collaboration.





Figure 1: Event poster

Figure 2: Screenshot during presentation of guest speaker

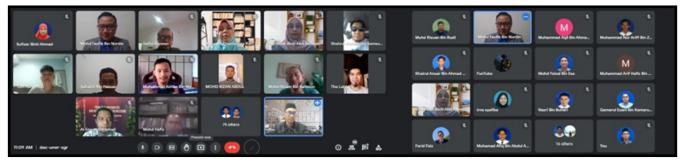


Figure 3: Group photo of participants of the industrial talk



"Copyright © 2021, by Institute of Materials, Malaysia (IMM). All rights reserved. No part of this article may be reproduced or distributed in any forms or by any means, or stored in a database retrieval system, without the prior written permission of IMM."



A quarterly magazine PP18691/01/2018(034114)/ISSN2289-9030



www.iomm.org.my

Institute of Materials, Malaysia



**IMM Student Chapter** 



Addressing the Issues of Significant Figures for Degree of Similarity and Specific FTIR Fingerprint Regions for Paints: A Pilot Study Predicting the Whiteness Index of Cotton Fabric with a Least Squares Model



# **TABLE OF CONTENTS**

COVER STORY	
IMM Student Chapter	04
UiTM-IMM Student Chapter	06
UTAR-IMM Student Chapter	80
Information Note of IMM Protective Coating Technician Level 1/ Level 2 Certification Program	10
IMM Training and Certification Program Overview	14
IMM Authorized Training Body (ATB)/ Authorized Testing Centre (ATC)/ Authorized Training Partner (ATP) for IMM Courses and Certification	18
Information Note of IMM Coating Inspector Level 1/ : Level 2 Competency Certification Scheme	20

# **TECHNICAL ARTICLES**

Addressing the Issues of Significant Figures for	24
Degree of Similarity and Specific FTIR Fingerprint	
Regions for Paints: A Pilot Study	
Predicting the Whiteness Index of Cotton Fabric	26
with a Least Squares Model	

### STUDENT EDITORIAL

Hydrothermal Growth of Niobium Oxide Microrods in Ammonium Fluoride for Electrochromic



## INSTITUTE OF MATERIALS, MALAYSIA

Suite 515, Level 5, Block A, Kelana Centre Point (Lobby B), No. 3 Jalan SS 7/19, Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel: +603-76611591











Painter) Competency Certification Scheme	
New Upgrade Members IMM Fellow and Professional	34
EVENT ARTICLES	
UTHM-IMM Materials Lecture Competition 2021	36
Virtual Industrial Talk 2021: Material Testing (in collaboration with CTRM Testing Laboratory)	37
Sarawak Shell Berhad Participation in ICPER Seminar by Universiti Teknologi Petronas (UTP)	38
Materials Lecture Competition 2021 (MLC 2021)	40
1-Day Rheology Workshop on Polymers	45
IMM Profiles	50
IMM Council Members and Committees	52

32

52

57

IMM Protective Coating Technician (Blaster &

# OCTOBER 2021 Issue 32

IMM 6th Council Meeting

Assoc. Prof. Ts. Dr. Tay Chia Chay (Universiti Teknologi MARA)

Assoc. Prof. Dr. Lim Teck Hock (Tunku Abdul Rahman University College)

Ms. Nurul Fatahah Asyqin Zainal (Universiti Teknologi MARA) Ts. Dr. Nur Aimi Jani (Universiti Teknologi MARA)

Prof. Ts. ChM. Dr. Melissa Chan Chin Han (Universiti Teknologi MARA) Dr. Amirah Amalina Ahmad Tarmizi (Universiti Teknologi MARA) Ir. Mohd Raziff Embi (Malakoff Power Bhd) Ts. Brian Lim Siong Chung (Geopolitan Sdn Bhd) Ms. Hairunnisa Ramli (Universiti Teknologi MARA)

Disclaimer: The articles written by various authors and news from external sources are published in good faith for the benefit of our readers and do not necessarily reflect the views of IMM. Further, we give no assurance or warranty that the published information is current or accurate and take no responsibility for any losses or consequences arising from its transmittal through the bulletin.