

# SDMMS 2017

## Symposium

## on Damage Mechanisms

## in Materials and Structures 2017

24<sup>th</sup> October 2017

Hotel Bangi-Putrajaya, Selangor

### LIST OF PRESENTING PAPERS

- *Introduction to failure (Opening)*
- *Fracture properties of hybrid woven bamboo/woven e-glass fiber*
- *Mode II interlaminar fracture toughness of hybrid natural woven mengkuang/silk fibre composites*
- *Entropy-based approach for fatigue crack growth rate of dual-phase steel*
- *Fatigue analysis of hybrid composites of kenaf/kevlar fibre reinforced epoxy composites*
- *Improvement of energy absorption on magnesium alloy mixed carbon-nanotube and lead reinforcement materials in term of impact*
- *Initial probability distribution in markov chain model for predicting fatigue lifetime*
- *Foreshortening and radial displacement of stent expansion by variable speed pressure application using finite element analysis*
- *The prediction of quality performance based on the modelling of injection moulding processing conditions for polypropylene nanoclay integral hinge*
- *Quantification of constraint loss in three-dimensional crack-tip fields*
- *Non-fickian absorption characteristics of adhesive joints: capillary effects and residual properties*
- *Failure of gas turbine stationary vanes*
- *Structural assessment of lead free solder joint of miniaturized electronics assembly*
- *Low cycle fatigue investigation of a double wishbone suspension using flexible multibody dynamic approach*
- *Unpiggable buried pipeline: integrated buried pipeline inspection programme*
- *Corrosion assessment by advanced ultrasonic technique measurement technique*
- *Generation of artificial road profile for spring durability analysis*
- *Energy absorption capability of axially compressed woven natural ramie/green epoxy square composite tubes*
- *Fracture behaviour occurrence (Closing)*

### KEYNOTE SPEAKERS

- 1) **Prof. Dr. Aidy Ali** (Universiti Pertahanan Nasional Malaysia)
- 2) **Mr. Ammar Tajuddin** (Strand Aerospace Malaysia Sdn Bhd)
- 3) **Mr. Manuel Raj Winston Vigil** (Siemens Industry Software Pte. Ltd.)

### IMPORTANT DATES

Extended Abstract Deadline: **30 August 2017**  
Notification of Acceptance : **10 September 2017**  
Submission of Amended  
Extended Abstract : **15 September 2017**  
Registration Deadline for  
Non-Presenting Participant : **15 October 2017**

### FEES

	Local	International
★ Non-Presenting Participant	<b>RM210</b>	<b>USD50</b>

\*Invoice for non-presenting participants will be given upon registration through [sdmms.ukm@gmail.com](mailto:sdmms.ukm@gmail.com) or during the symposium

### PAYMENT

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### CONTACT US

Dr. Salvinder Singh Karam Singh  
Centre for Automotive Research  
Faculty of Engineering & Built Environment  
Universiti Kebangsaan Malaysia  
43600 UKM Bangi, Selangor, MALAYSIA.  
Website: [www.ukm.my/car/sdmms](http://www.ukm.my/car/sdmms)  
Email: [sdmms.ukm@gmail.com](mailto:sdmms.ukm@gmail.com)



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