

ORAL PRESENTATION FOR SYMPOSIUM ON DAMAGE MECHANISMS IN MATERIALS AND STRUCTURES 2017 (SDMMS 2017)
24th OCTOBER 2017 (TUESDAY)
HOTEL BANGI-PUTRAJAYA SELANGOR

08.15 am – 08.45 am	Registration	
08.50 am – 09.00 am	Introduction to failure (Opening) <i>Prof. Ir. Dr. Shahrum Abdullah – Universiti Kebangsaan Malaysia</i>	Session Chair 1 Prof. Dr. Che Husna Azhari
09.00 am – 09.30 am	Keynote 1 - Fracture properties of hybrid woven bamboo/woven e-glass fiber <i>Prof. Dr. Aidy Ali – Universiti Pertahanan Nasional Malaysia</i>	
09.30 am – 10.00 am	Keynote 2 – Living with cracks – A perspective on damage tolerance approach to aircraft structural design <i>Ammar Tajuddin – STRAND Aerospace Malaysia Sdn. Bhd.</i>	
10.00 am – 10.30 am	Keynote 3 – Addressing Automotive Engineering Challenges in Composite Development by Simulation <i>Manuel Raj Winston Vigil – Siemens Industry Software Pte. Ltd. Singapore</i>	
10.30 am – 11.00 am	Refreshment and Photo Session	
11.00 am – 11.15 am	P01: Mode II interlaminar fracture toughness of hybrid natural woven mengkuang/silk fibre composites <i>R. Zulkifli, M.A. Husin, S. Abdullah & W.R.W. Daud – Universiti Kebangsaan Malaysia</i>	Session Chair 2 Assoc. Prof. Ir. Dr. Abu Bakar Sulong
11.15 am – 11.30 am	P23: Mechanical Properties and Fatigue Behavior of Friction Stir Welded Joint of Al6061 Aluminum Alloy Plate <i>A. Baghdadi & Z.Sajuri – Universiti Kebangsaan Malaysia</i>	
11.30 am – 11.45 am	P03: Fatigue analysis of hybrid composites of kenaf/kevlar fibre reinforced epoxy composites <i>M.K Faidzi, M.F Abdullah & A. Ali – Universiti Pertahanan Nasional Malaysia</i>	
11.45 am – 12.00 pm	P06: Foreshortening and radial displacement of stent expansion by variable speed pressure application using finite element analysis <i>Z. Lazim & A.E. Ismail – Universiti Tun Hussein Onn Malaysia</i>	
12.00 pm – 12.15 pm	Poster presentation	
12.15 pm – 12.30 pm	P05: Initial probability distribution in Markov chain model for predicting fatigue lifetime <i>S.S. Januri, Z.M. Nopiah, A.K. Ariffin, N. Masseran & S. Abdullah – Universiti Kebangsaan Malaysia</i>	Session Chair 2 Assoc. Prof. Ir. Dr. Abu Bakar Sulong
12.30 pm – 12.45 pm	P04: Improvement of energy absorption on magnesium alloy mixed carbon-nanotube and lead reinforcement materials in term of impact <i>M.F. Abdullah, S. Abdullah, M.Z. Omar, Z. Sajuri & M.S. Risby – Universiti Pertahanan Nasional Malaysia</i>	
12.45 pm – 01.00 pm	P07: The prediction of quality performance based on the modelling of injection moulding processing conditions for polypropylene nanoclay integral hinge <i>M.H.Othman & S.Hasan – Universiti Tun Hussein Onn Malaysia</i>	
01.00 pm – 02.30 pm	Lunch & Zuhur prayer	
02.30 pm – 02.45 pm	P08: Quantification of constraint loss in three-dimensional crack-tip fields <i>F. Yusof – Universiti Sains Malaysia</i>	Session Chair 3 Dr Abdullah Aziz Saad
02.45 pm – 03.00 pm	P09: Non-fickian absorption characteristics of adhesive joints: capillary effects and residual properties <i>M. Johar, W.K. Jye & M. N. Tamin – Universiti Teknologi Malaysia</i>	
03.00 pm – 03.15 pm	P10: Failure of gas turbine stationary vanes <i>A.R. Said – REMACO Repair Center, TNB Maintenance & Repair Sdn. Bhd.</i>	
03.15 pm – 03.30 pm	P13: Unpiggable buried pipeline: integrated buried pipeline inspection programme <i>M.N. Baharin, Norhaslinda, R. Rashid & M.H. Hassan – MR Technology Sdn Bhd</i>	
03.30 pm – 03.45 pm	P12: Low cycle fatigue investigation of a double wishbone suspension using flexible multibody dynamic approach <i>F.J. Darsivan & S. Abdullah – Universiti Islam Antarabangsa Malaysia</i>	
03.45 pm – 04.15 pm	Tea break	

04.15 pm – 04.30 pm	P11: Structural assessment of lead free solder joint of miniaturized electronics assembly <i>Z. Bachok, A.A. Saad, F. Che Ani, A. Jalar & M.A. Abas – Universiti Sains Malaysia</i>	Session Chair 4 Dr. Wong King Jye
04.30 pm – 04.45 pm	P14: Corrosion assessment by advanced ultrasonic technique measurement technique <i>J. Jamil & S.Y.S. Yahya – Advantech Alliance Sdn. Bhd</i>	
04.45 pm – 05.00 pm	P16: Energy absorption capability of axially compressed woven natural ramie/green epoxy square composite tubes <i>M. J. Ghoushijii, R.A. Eshkoor, R. Zulkifli, S. Abdullah & C.H. Azhari – Universiti Kebangsaan Malaysia</i>	
05.00 pm – 05.15 pm	P17: Tensile and Flexural Properties of Unidirectional Kenaf Polypropylene Composite at Various Temperatures and Orientations <i>D. Tholibon, A.B. Sulong, N. Muhamad, C.H.C. Haron, I. Tharazi & N.F. Ismail – Universiti Kebangsaan Malaysia</i>	
05.15 pm – 05.30 pm	P22: A simulation study on modified rear under-ride protection device <i>Z.F. Albahash & M.N.M. Ansari – Universiti Tenaga Nasional</i>	
05.30 pm – 5.40 pm	Observing the fracture behaviour (Closing) <i>Prof. Ir. Dr. Ahmad Kamal Ariffin – Universiti Kebangsaan Malaysia</i>	
05.40 pm	Meets The Expert Networking/Session End	

Presentation is 15 minutes (10 minutes is for presentation and 5 minutes for Q&A) and the schedule is subjected to changes.

POSTER PRESENTATION FOR SYMPOSIUM ON DAMAGE MECHANISMS IN MATERIALS AND STRUCTURES 2017 (SDMMS 2017)
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Poster 1: Generation of artificial road profile for spring durability analysis
Y.S. Kong, S. Abdullah, D. Schramm, M.Z. Omar, S.M. Haris, T. Bruckmann & N. Maas – Universiti Kebangsaan Malaysia

Poster 2: Balastic limit of laminated panel with different joining materials subjected to steel hardened core projectile
N.A. Rahman, S. Abdullah, W.F.H. Zamri, M.Z. Omar, Z. Sajuri & M.F. Abdullah – Universiti Kebangsaan Malaysia

Poster 3: Applicability of Weibull distribution for evaluating the fatigue life limit of SAE 1045 carbon steel
M. Mohammad, S. Abdullah, N. Jamaludin & O. Innayatullah – Universiti Kebangsaan Malaysia

Poster 4: Strain signal characterisation using 4th order Daubechies Wavelet transform for determining fatigue life of suspension
A.A.A.Rahim, S. Abdullah, S.S.K. Singh & M.Z. Nuawi – Universiti Kebangsaan Malaysia

Poster 5: The microstructure and fatigue life assessment of ALSi10Mg: An additive manufacturing material
M.S. Shaari, A.K. Ariffin, S. Abdullah, A. Takahashi & M.R.M. Akramin – Universiti Kebangsaan Malaysia

Poster 6: Entropy-based approach for fatigue crack growth rate of dual-phase steel
R. Idris, S. Abdullah, P. Thamburaja & M.Z. Omar – Universiti Kebangsaan Malaysia

Poster 7: Peridynamic Approach for Viscoelastic Creep Fracture Simulation
M.A. Azizi, A.K. Ariffin, N.A.N. Mohamed & Z. Sajuri – Universiti Putra Malaysia