

## EVENT REPORT - ADMMS'2018

20 – 21 July 2018, Madras Institute of Technology – Chromepet

SAE INDIA Southern Section once again achieved the milestone of bringing 2<sup>nd</sup> edition of ADMMS'18 – International Conference on Advances in Design, Material, Manufacturing and Surface Engineering for Mobility. This time it took place in Madras Institute of Technology – Anna University Chromepet. Thanks to Prof. M. Vasanthan (Automobile Department) and Dean – MIT Campus Dr. A. Raja Durai for agreed to host ADMMS'18.

On 20<sup>th</sup> July 2018, at Rajam Lecture Hall complex ADMMS'18 was started with Tamil Thai Vaazthu followed by lighting ceremony by Chief Guest, Mr. S Paul Pandian – Group Director, Scientist G, ISRO Inertial Systems Unit, Trivanduram and key members including Dean – MIT Campus, Dr. S. Jayaraj, HOD-Automobile Department and Mr. S. Sriraman, SAE INDIA Southern Section Chairman and VP TAFE and Mr. Ganesh Dharmar, SAEISS Champion-Conference and Lead Engineer, Mahindra and Mahindra in the presence of other SAE Southern Section office bearers, Professional members, Faculty and Student volunteers



Inaugural address on “Sensors and Application in Automation” by the Chief Guest was really inspired many automobile engineers to relate with the challenges in the development of autonomous driving. Mr. S. Sriraman, Chairman - SAEINDIA Southern Section, the conference chair appreciated the university in organizing this conference in alignment with the SAEINDIA Centre for Automotive Excellence in Surface Engineering at MIT Campus. Dr. A. Rajadurai, Dean - MIT Campus felicitated the inauguration and Mr. Ganesh Dharmar, Champion- ADMMS Conference 2018, SAEISS proposed the vote of thanks.

We have received 235 abstracts out of which 144 quality abstracts has been shortlisted. 123 papers have been received under design, materials, manufacturing and surface engineering and 73 papers has been selected for publication. We plan to have 6 invited lectures, 1 panel discussion and 8 technical sessions for the conference.







Technical oral presentation with 3 parallel sessions in the areas of Product Design-I , Modelling and Analysis-I , Advance Material and Application-I followed the inauguration. The session chair/co-chair and evaluators were from industries like Mahindra and Mahindra, Ford, Ashok Leyland, TAFE, WABCO and from reputed institutions like IIT, MIT, BSA . They appreciated the technical content and quality of the papers. 12 papers were presented in total in all the 3 sessions from M & M, CVRDE, UCAL Fuel systems, COMSTAR, VE Commercial vehicles, SRM and VIT University.



In the afternoon we had 4 & 5 Technical oral presentation with 2 parallel sessions and the session chair/co-chair and evaluators were from industries like BSA, Manipal University, Kongu Eng College, CATERPILLAR, Nandha Eng College and WABCO. Followed by technical presentation, we had 1 Plenary in the areas of Manufacturing Process , Advance Material and Application-II , Advanced CAE – Methodologies for use in Product Design by Dr. Srinivas Gunti DGM, Mahindra & Mahindra Ltd.



The second day of conference was started with a plenary session on Hard Turning – State of the Art and Challenge by Dr. M. Murugan Professor, School of Mechanical Engineering, Vellore Institute of Technology, Chennai.



Chief Guest felicitation to the plenary session done by Prof. B Vasanthan, Department of Automobile Engineering, MIT Campus, Chromepet.

We had the third plenary session on “Laser based Manufacturing Solutions for Mobility” by Dr G Padmanabham, International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), Hyderabad. The chief guest Dr. G Padmanabham was facilitated by Mr. \_\_\_\_\_ xxxxxx.



After the insightful plenary sessions by eminent persons from various organisation, we have a thrilling Panel discussion on “Sustainable Mobility” by Dr. Venugopal Shankar, VP & Dean – Mahindra Technical Academy being a Panel Moderator and other panellists from various R&D including (1) Dr. A. Rajadurai, Professor and Dean, MIT, Anna University , (2) Dr. R K Amit, Associate Professor, Department of Management Studies, IIT Madras, (3) Dr. Shantha Shankar, Consultant Technology, Innovation and IP Consultant. (4) Dr. Aravind Vadiraj, Senior Manager, Mahindra Technical Academy, Mahindra and Mahindra Ltd.









In the Afternoon we had 3 parallel technical sessions in the Product Design - II, Modelling and Simulation –II , Composite Material . The session chair/co-chair and evaluators were from industries including, DRDO, Ashok Leyland, MIT, TAFE, Caterpillar, IITM, M&M and Anna University . Technology IP Rings Ltd, VIT, BSA Crescent, SRM, VE Commercial Vehicles Ltd , Mapco Schlenk Engineering college and JNTUK.

Dr.P.A. Lakshmi Narayanan, Technical Advisor, Simpson & Co. Limited was the chief guest for the valedictory program. Felicitation to the Chief guest given by Dr. K. Arunachalam, Dept of Automobile Engineering, MIT Campus.







Best Oral presentation award given to the participants by the valedictory function chief guest. Overall update on the 2<sup>nd</sup> ADMMS-2018 conference given by Prof. E. Rajasekar, Secretary – SAEISS and Vote of thanks given by Prof. R. Rajendran, MC Member – SAEISS. The event was successfully concluded on 21<sup>st</sup> July 2018, 15:20 with giving appreciation to the student volunteers and the Prof. B Vasanthan, Dept of Automobile, MIT Campus being hosted meeting all our requirements towards ADMMS-2018.

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