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Editorial

Dear Readers,

I am happy to share my thoughts with all of you in the third edition of the ARAI Journal of Mobility Technology. The journal was launched on the lines of Symposium on International Automotive Technology (SIAT 2021) and has since then help us enrich ourselves with the latest developments in the field of mobility. I am sure that all of you have gained from the contents of the first two issues

Friends! Sustainability and the carbon neutrality have gained highest prominence in recent times clearly because of the fact that unless we have a resilient ecosystem and resilient environment, the life on this planet cannot sustain. Sustainability as subject has a vast expanse and I would like to categorize it into three facets: ***Environmental sustainability, Social sustainability and Economical sustainability***. As a responsible representative of the automotive industry, I believe that each of these are important and have an effect on others involving several inter related issues & concerns.

For example, we deal with Environmental sustainability through enablers like adapting clean, fuel neutral technology, pollution control, efforts towards comprehensive electrification and material sustainability (R-R-R) i.e. Reuse, Recycle and Recover. For OEM's and end customers it is the need for business viability, profitability and a conducive policy framework that drive sustainability. Similarly there are attributes related to social sustainability.

There is a very fine balance that needs to be established between them. With the Govt policies, cost of technology and Corporate Social Responsibility being common threads, a sweet spot can always be arrived at. With all stakeholders and agencies working in tandem, goals of sustainability shall be met.

While suitability shall be the core of the way we do business, disruptions in the automotive industry shall continue to excite us all and the perceived megatrends few years back are the realities of today.

At Tata Motors we have led from the front and unveiled/launched vehicles with alternate & new energy paradigms like CNG, LNG, ethanol, battery electric and countries first zero emission hydrogen powered fuel cell bus. Substantial focus has also been made towards solutions for Connected Electric, Shared & Safe (CESS/ACES). However, it will be important to constantly visualize the road ahead and calibrate the efforts in the journey of Technology and product development. The development of solutions for these disruptions shall be realized with a collaborative approach, multidisciplinary and multi-engineered across industries. The traditional barriers of involvement of few competency streams are breaking away and smart, intelligent & digital mobility products are emerging through cross pollination of these streams.

The world is a changed place in the last two years we continue to thrive and have been finding new ways to collaborate and work together. I believe that Knowledge is the most important virtue that one requires to survive in this world and has the potential to lead us to personal & professional excellence.

Let us reckon our ***Hon'ble Prime Minister's*** historic speech on the occasion of 15th Aug 2022 where he spoke about next 25 years of New India as ***Amrit Kaal***. He laid down the roadmap for ***India @2047*** – i.e. 100 years of democracy and India becoming a developed nation; of which my friends, many of us are going to be contributing to, during our lifetime.

Hence let us continue collaborating & fueling ourselves with content & ideas from sources like the ARAI's Journal of Mobility Technology and strive to attain this goal.

Rajendra Petkar
President - ARAI,
President & CTO – Tata Motors

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CONTENTS

Research Papers

- Conventional Four-bar Linkage Steering System Adoption for Underslung Front Suspension
Mahadevan Pichandi, Mohan B, Jagadeesh S and Balaji S 249
- Water-based Cooling Fluids to Mitigate the Thermal Management Challenges in New Energy Vehicles
Sander Clerick, Serge Leivens, Guy Buytaert and Amol Chore 256
- Effect of Steel Inclusion on Heat Treatment Quench Crack - Case Study
Yathish Rao 265
- Electrification of 4-Wheel Sector
Amal Haridas, Anand PP, Aneesh Menon, Sachin V and Aravind PV 272
- Conversion of Waste Heat from Automobiles into Electrical Energy using Thermoelectric Generators
Tony Sabu 275
- Investigation of Brake-judder through Caliper Vibrations due to the Effects of Friction Pad Properties, Disc Thickness Variation and Brake Torque Variation using a Dynamometer
Nikhil Ambewadikar, Subramanian K, Anand Wadodkar and Raajha MP 280
- Comprehensive Design and Study on Cogging Torque Reduction in Permanent Magnet Synchronous Motors for Electric Vehicle Technology
Shivani Jitendra Khare and R.S. Ambekar 290
- Systems Modelling of Steering System using OpenModelica
Rohit Sankar, Sathish Madaswamy and Arthanareeswaran Palaniappan 297
- Design and Development of a Short Range Electric Mobility Device
Ishan Hiremath and Avanti Nalawade 308
- Studies on Use of Waste-cooking Oil as a Diesel Substitute through Trans-esterification
Ganapati V Salaskar, Anil Badiger, Suresh D Mane and P.P. Revankar 320

