SAE India (Northern Section) and Shell Lubricants (India) are pleased to invite you to participate in a seminar on “Advancement in Automotive Lubricants Technology and Solutions”, to get insights on emerging technology trends in automotive lubricants and advance technology solutions which helps in achieving efficient automotive systems. We will talk about the future of hardware innovation and the opportunities we have in this changing market.

ABOUT SHELL LUBRICANTS

Shell is the number one global lubricants supplier (eleventh year in a row), delivering market-leading lubricants to consumers in over 100 countries. It brings world-class technological insights and state-of-the-art innovation to its products; offering bespoke lubricant formulations to customers and industries.

Operating in industries across sectors like aviation, construction, fleet, manufacturing, marine, metals, mining, power and more, Shell Lubricants is divided into four businesses mainly, upstream, integrated gas and new energies, downstream, and projects & technology.

Shell’s products and services are designed in such a way that they add value to operations, provide substantial savings by helping maximize equipment efficiency, prolong vehicle life and reduce downtime. Being an integrated energy company, safety and environmental and social responsibility are at the heart of its activities. With its commitment to technology and innovation, Shell aims to meet the world’s growing demand for energy in ways that are economically, environmentally and socially responsible.

ABOUT SAE INDIA

SAE India is a non-profit body that has been at the forefront when it comes to identifying and transmitting relevant technologies to the society in general, and stakeholders, in particular. It is affiliated to the parent body SAE International which is head-quartered in USA with a glorious record of more than 100 years of service to the mobility community. SAE International has more than 121,000 members – engineers, business executives, educators & students from more than 97 countries – who share information & exchange ideas for advancing the engineering of mobility systems. SAE is a premier resource for standards development, events, technical information & expertise useful in designing building, maintaining & operating self-propelled vehicles for use in land, sea or air.

ABOUT SAE INDIA NORTHERN SECTION

SAE India Northern Section is a section of SAE India, a premier society that serves the Mobility Engineering fraternity towards the design, manufacture and service of self-propelled vehicles & systems that move in air, space and on land. The society has more than 7200 members comprising of stalwarts of the industry and affiliates from the student community. SAE India Northern Section covers Rajasthan, UP, Uttarakhand, Delhi-NCR, Haryana, Punjab, HP, J&K. The body has been involved in conducting seminars, workshops, conferences, student & professional events for its members.
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<td>Registration</td>
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<td>14:30 - 14:35</td>
<td>SAE Address -</td>
<td>Mr. Anoop Kackar, SAE</td>
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<td>14:35 - 14:45</td>
<td>Shell - Solutions Through Technology</td>
<td>Mr. Kuldeep Saxena, Shell</td>
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<td>14:45 - 15:00</td>
<td>PCMO Lubricant Trends - Global &amp; India</td>
<td>Mr. Maruyama / Mr. Ajay Aggarwal, Shell</td>
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<td>15:00 - 15:15</td>
<td>BSVI: Challenges, Opportunities &amp; Solutions</td>
<td>Mr. Santosh Kumar / Mr. Srikant V, Shell</td>
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<td>15:15 - 15:30</td>
<td>Bright Start - Cleaner Energy for Future (IH2 Technology - Waste to Energy)</td>
<td>Mr. Srikant / IH2 Team, Shell</td>
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<td>Future Mobility Solution</td>
<td>Mr. Ajay Aggarwal, Shell</td>
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<td>Q&amp;A - Discussions</td>
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<td>Vote of Thanks</td>
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**SPEAKERS PROFILE**

**EIJI NAGATOMI**  
Director, Vice President of Shell Lubricants Japan K.K.  
EIji Nagatomi graduated from Sophia University in Japan with a Master's degree in Chemistry. He joined Showa Shell Sekiyu in 1989, starting as a formulator in the Industrial Lubricants Group. From 1993 to 1996, he studied autoxidation mechanism of aliphatic esters as a model of polyol ester lubricants at the University of York in the UK and received a Doctorate in Chemistry in 1997. After working as a formulator in the Automotive lubricants group in the Central R&D Laboratory of Shell Sekiyu, he was assigned to Shell Global Solutions in the UK, for a 2-year assignment as an engine lubricant chemist in 2000. Dr Nagatomi had been a manager of Lubricants and Bitumen Team, and a general manager of the Central R&D Laboratory of Showa Shell Sekiyu K.K.  
He is currently Director, Vice President of Shell Lubricants Japan K.K., and a general manager of the Central R&D Laboratory of Showa Shell Sekiyu K.K.  
He is currently Director, Vice President of Shell Lubricants Japan K.K., and a general manager of the Technology Centre. His fields of interest are degradation mechanism of lubricants and chemical mechanism of additives in boundary and mixed lubrication regime. He is a member of the Chemistry Society of Japan, the Japan Petroleum Institute and the Japanese Society of Tribologists.  
He was also -  
2006 - 2011: Part-time lecturer at the Tokyo Institute of Technology  
2012 - 2014: Vice president of the Japanese Society of Tribologists  
2015 - 2017: Director of the Japanese Society of Tribologists  
2012 - 2014: Chairman of the editorial committee of the Journal of the Petroleum Institute

**RYUJI MARUYAMA**  
Product Application Specialist, Shell Japan  
He graduated from Nagano National College of Technology in Japan. He joined Showa Shell Sekiyu in 1992, starting as an engineer in engine vehicle testing group. He was then assigned as a formulator in automotive lubricants group to develop MCO, PCMO and transmission oil. From 2011-2013, he was assigned to Shell Global Solutions in Germany, for an assignment as a driveline lubricants engineer.  
He is currently assigned to Shell Japan for Product Application Specialist for Japanese Auto OEM. He is also a member of the Japanese Society of Tribologists.

**SRIKANT VISWANATH**  
Technology Manager, Shell Global Solutions  
Srikant Viswanath has more than 20 years of experience in developing and deploying cutting edge lubricants. He has held various techno-commercial roles in Royal Dutch Shell. This includes working in Shell Global Solutions International in The Netherlands, Lubricants market in India and Asia Pacific.  
He is responsible to build the Technology Plan for key Shell branded lubricants as well OEM specific lubricants and implement the same through a global Shell Technology team based in Houston, Hamburg, Shanghai, Bengaluru and Atsugi, Japan.  
His responsibilities also involve working with key Global Automotive OEMs (Original Equipment Manufacturers), on various futuristic projects with their R&D teams.

**KULDEEP SAXENA**  
National Technical Manager, Shell Lubricants  
He is responsible for leading technical support to automotive OEMs in India. A mechanical engineer by profession, he has a rich experience of over 25 years in Technical, Sales & Maintenance functions, spanning across the multiple sectors in both Automotive & Industrial spaces e.g. Automotive OEMs, Fleet, Construction, Mining, Power, Auto Component, General Manufacturing etc. Despite such diversity, one common element in his career throughout has been his close association with OEM personnel to work on solutions to reduce TCO. His major focus recently has been “Fuel Economy/Energy efficiency improvement by using better lubricants”.

**AJAY AGGARWAL**  
Product Application Specialist, Shell Global Solutions  
He is a mechanical engineer who has worked in the Industry for 13 years in the field of condition monitoring and advanced diagnostics. He joined Shell in 2006, providing technical support to industrial customers through team technical advisors. He has led partnerships with leading major agri, construction and other large customers through value based proach.  
Ajay is responsible for all Auto OEMs and fleet in Asia pacific region to lead all technology programs and partnership.

**SANTOSH KUMAR**  
Regional Technical Manager, Shell Lubricants  
Santosh graduated in Mechanical engineering and has decade long experience in automotive R&D and has worked for Mahindra & Mahindra and Maruti Suzuki prior to Shell in 2016. His area of expertise is in power train domain, primarily into automatic and manual transmission as core. He holds executive MBA degree from Indian Institute of Foreign Trade, New Delhi and a certified Six Sigma Black Belt.  
In his current role as Regional Technical Manager he is responsible for providing technical support for Automotive OEMs in India, including Passenger Cars, CV, 2- Wheeler and co-working with OEMs on future projects and lube requirements.