

**Seminar: "High Strength Steels"**  
**Venue: Japanese Hostel, Gurgaon**  
**Monday, 09<sup>th</sup> February'15**  
**0900 hrs. to 1400 hrs.**

**Keynote Speakers**

**Invitation**



**Mr. Avtar Singh**  
Head Product Application Group  
Flat Products, Tata Steel

**Mr. Avtar Singh**, A Metallurgical Engineer by profession has over 20 years of experience in Steel Industry. Has worked in various functions such as manufacturing, Quality Assurance, Technology and Customer Technical Services. He is associated with Automotive Industry for last 15 years. His work published in 20 International & National technical Journals. He holds 8 product patents in his name for steel.

SAE India (Northern section) & Tata Steel are pleased to invite you to participate in the Seminar on "High Strength Steels" to be held on 09th February, 2015, at Japanese Hostel, Gurgaon. The seminar is targeted towards Mechanical & Industrial Engineers from Industry.

**Free Registration !!**  
**Limited Seats**  
**(On First Come First Serve Basis)**

*\*For SAE membership and registration*  
Please contact: **Mr. Anup Kacker: Executive Director SAENIS**  
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**Agenda**



**Mr. Saurabh Kundu**  
Head Product Development Research Group  
R&D Tata Steel

**Mr. Kundu**, holds PhD in Metallurgical Engineering from Cambridge Univ. Govt of India Conferred "Young Metallurgist" Award in 2003 & "Metallurgist of the Year" Award in the year 2013. He has 15 years of experience in Steel operations, Research & Development and Steel Technology. His research work is published in over 35 National and International technical journals. He holds 8 patents to his credit in the area of steel metallurgy.

**08:30 - 09:00**

**Registration**

**09:00 - 09:15**

**Welcome Address**

*By: Mr. D N Dave, Vice-President, Body, Door & Lamp Systems, MSIL & Vice-Chairman SAE-NIS Membership Committee*

**09:15 - 10:15**

**Introduction to high strength and advanced high strength steels**

*By: Mr. Avtar Singh, Head Product Application Group, Flat Products*

**10:15 - 11:15**

**Metallurgy of HSS and AHSS**

*By: Mr. Saurabh Kundu, Head Product Development Research Group, R&D Tata Steel*

**11:15 - 11:30**

**Tea Break**

**11:30 - 12:30**

**Challenges in usage of high strength and advanced high strength steels**

*By: Mr. Rahul Kumar Verma, Head Product Application Research Group, R&D, Tata Steel*

**12:30 - 13:30**

**Tata steel's offerings of HSS and AHSS - Present and future**

*By: Mr. Avtar Singh, Head Product Application Group, Flat Products*

**13:30 - 13:50**

**Q & A Session**

**13:50 - 14:00**

**Conclusion & Thanks**

*By: Mr. Alok Jaitley, General Manager, Body Division, MSIL & Vice Chairman, Student Competition, Efficycle & AWIM*

**14:00 onwards**

**Networking-Lunch**

**Venue Details:**

**Japanese Hostel**

**Site - 2, Sector- 29, Opposite Signature Tower, Gurgaon, 122001 - INDIA**

**Hotel Front Desk: +91-124-4534000**



**Mr. Rahul Kumar Verma**  
Head Product Application Research Group  
R&D, Tata Steel

**Mr. Verma**, holds PhD in Mechanical Engineering and has 13 years of experience in Research and Development. His work was published in more than 25 national and international journals. Currently he heads the Product Application Research Group at Tata Steel, India. His research interests include computational and experimental sheet metal forming, Continuum and Crystal Plasticity and Finite Element Methods. Hold 2 patents for steel technology

## ABOUT TATA STEEL

Tata Steel is the world's second most diversified steel producer with a crude steel capacity of nearly 30 million tons per annum. A fortune 500 company, the Tata steel group recorded a turn over of USD 24.81 billion in FY14, employing over 80,000 people nearly in 50 countries.

Group vision is to be world steel industry benchmark in "Value Creation" and "Corporate Citizenship " through excellence of people its innovative approach and overall conduct.

It has major operations in India , Europe & South east Asia. Tata Steel products to the wide industries and segment such as Automotive , Engineering, Energy & power, Rail, Construction , Aerospace, Defense, Consumer Goods, Ship building etc.

Tata Steel is the first integrated steel plant in the world to receive "Deming Grand Prize" in 2012 ,for deployment of TQM tools across the organization.

## ABOUT SAE INDIA

SAEINDIA, a non-profit body has been in the forefront to identify and transmit 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 SAEINDIA NORTHERN SECTION

SAEINDIA Northern Section, a section of SAEINDIA, is 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. SAEINDIA Northern Section covers Rajasthan, UP, Uttaranchal, Uttarakhand, Delhi-NCR, Haryana, Punjab, HP, J&K. The body has been involved in conducting seminars, workshops, conferences, student & professional events for its members.