



## INTRODUCTION

In order to comply with ever-tightening emission norms and to provide higher mileage, higher pickup and higher payload Light-Weighting of vehicles have become inevitable.

Light-weighting is done for: Body-In-White (BIW), substructure, engine & transmission elements, bought out aggregates right down to fasteners. Diverse Technologies and choice of materials ranging from sheet metal to cast and forged items are used in Light-Weighting.

In order to present a holistic overview of new technologies and materials which have become current and near-future industry trend. Keeping this in view Indian Machine Tool Manufacturers' Association (IMTMA) is organising a six-hour online programme on **Light-Weighting of Automobiles**.

## FOCUS AREAS

- Use of AHSS
- Tailor Welded Blanks
- Use of Aluminium and Magnesium Forming
- Hot Forming of AHSS, Aluminium and Titanium
- Tube Hydroforming
- Use of Composites
- Cold Forging
- Rotary Swaging & Axial Forming

## KEY TAKE AWAYS

- Light-weighting with better crashworthy structure
- Challenges and solutions of manufacturing with Higher Strength Material
- Hollow drive trains
- Weight reduction in fasteners
- Use of Additive Manufacturing for Light-Weighting Engine

## FEE PER PARTICIPANT (PER LOGIN)

**Rs. 2999/-**

+18% GST

**IMTMA Members/ Micro Companies/ Individuals/  
Educational Institutions / Students/ IMTMA Non  
Members/ Others**

**USD 120/-**

**Overseas Participants**

**Group Concession : 10% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company**

## FACULTY

This Program will be conducted by **Mr. Avinash Khare**

**Mr. Avinash Khare**, is presently working as a Consultant Head for IMTMA Pune Technology Centre for the last 5 years. He has been designing, developing content, and delivering wide range of Training programs as a Faculty. He is an Electrical Engineer by Qualification and has worked for over 33 years at Tata Motors Pune in various capacities ranging from R&D, Industrial Electronics, Machine Maintenance, Technology Procurement, Head of Machine Shop, Tool Room Shop Head, Head of Die Design and as a Champion in Business Excellence. He has taught Instrumentation and Bio-Medical Instrumentation at Pune University as a part-time faculty.

### For Registration Contact

**Santosh Singh**  
**Programme Coordinator**  
9021442692  
[santosh@imtma.in](mailto:santosh@imtma.in)  
**Back End Operations**  
9742626488  
[enquiry@imtmblr.com](mailto:enquiry@imtmblr.com)

### Contact Address

**INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION**  
Plot 249F, Phase IV, Udyog vihar, Sector - 18,  
Gurgaon - 122015  
Tata no- +91-124-6463101  
Tel : 0124 4014101 - 04  
Fax : +91-124-4014108

