



**ASM International  
Bengaluru Chapter**

Cordially invite you to ASM Online Technical Talk

**Titled**  
**“An academicians’ tryst  
with Industrial Research: Quest for  
New Materials and Processes”**

BY

**Prof. Dr. Satyam Suwas**  
Department of Materials Engineering,  
Indian Institute of Science, Bangalore-560012, INDIA

*Date & Time: 11.07.2020, Saturday at 5:00 pm  
On-Line Tech Talk on: RingCentral Platform*

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## **Title: An academicians' tryst with industrial research Quest for New Materials and Processes**

**Prof. Dr. Satyam Suwas**

Department of Materials Engineering,  
Indian Institute of Science, Bangalore-560012, INDIA

### **Abstract of the Talk:**

In this presentation, it will be shown that how academic research can connect to the applied world for advancement in the knowledge as well as can enable to solve long standing problems. A few examples will be presented that address the efforts made by the presenter to address the issues in the research and development activities in industries. The development of new generation advanced high strength steels and aluminium-lithium alloys and the strategies of microstructural control that would render the desired properties will be focused. In both the cases, it will be emphasized that a scientific approach can be adopted to explore new materials as well as to improve the properties. The role of processing-microstructure-property-performance will be demonstrated.

**Education Chair of ASM (I) BLR Chapter**  
-Mrs. Vaishali J P