



You are cordially invited to a talk
on
New Vistas in Processing of Steels for Strategic Applications

by

Prof. S.N. Ojha

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On

Thursday, May 11, 2017 @ 4.00 PM

Venue:

**Room No 12, Dept of Metallurgy and Materials Science
College of Engineering, Shivajinagar, Pune**

Abstract

There is no substance as important as steel in story of human civilization. Advances in agriculture to warfare as well as cooking utensils to transport are impossible without steels. So is the entire industrial revolution from steam to electricity. A successive growth in processing technology of steel is discussed. The paradigm changes in steel processing that has brought out development of advanced steels for strategic applications are highlighted. These changes are shown to have facilitated new alloy design and effective control of microstructure through phase transformations. The challenges in development of steels for automotive, defense, space and power sectors are clearly brought out.

About the speaker

Prof. S.N. Ojha is Professor in Metallurgical Engineering at IT-BHU. He also served as head of department and chairman of Academic Coordination at IT-BHU. He was invited as visiting professor and visiting scientist by many foreign universities and institutes like Ferrous Metallurgy Research Institute, Moscow, University of Sheffield and others. His research areas are rapid solidification processing, undercooling of metallic melts, atomization and spray deposition processing and physical metallurgy of steels. He has supervised 14 Ph.D. thesis and 35 M.Tech projects. He has around 200 research publications under his credit.

He is recipient of many awards and honors which include Metallurgist of the Year Award of the Ministry of Steel , Govt. of India (1997), Award of MRSI Medal-2000 of the Materials Research Society of India (2000), P Ramachandra Rao Memorial Lecture Award of CSIR-NML Jamshedpur (2017) and other