



## Udayan B. Pathak Named Fellow of ASM International



Years of passionate contributions to the Indian Metallurgical Industry have paid off for longtime Pune Chapter member of ASM International, Udayan Pathak, of Tata Motors. Currently headquartered near Cleveland, Ohio, USA, ASMI is an organization with approximately 30,000 members, which was started as a heat treaters' club over 100 years ago in Detroit, Michigan, USA. Known as "The Materials Information Society," ASMI offers a platform for international co-operation amongst volunteers who use knowledge sharing and best practices to push forward both technical progress and professional development. The Fellow designation by ASMI is the highest honor that the society bestows on its members, only after they demonstrate a long commitment to both the organization itself and the general upliftment of human values through participation in the march of technical progress or professional development.

Pathak has done both of those activities to a degree not easily attained. His long career of major breakthroughs in efficiency of induction hardening has allowed India to be a global leader in the mobility industry. His process optimization work has eliminated entire processing steps. His work in

alloy development and forging process optimization allowed Indian production of materials and components that had hitherto been imported, saving 5 Lakhs of USD per annum in one operation alone. As another example, his work on substituting modern quenching media has allowed the annual elimination of 43 Lakhs INR of oil based liquids from industrial use. Not lacking in creative expression, he has obtained several patents, in heat treating, welding and crankshaft design.

He has been a model for even more, by starting two new student chapters of ASM International, helping to forward the careers of young people entering the work force. He has participated in ASMI's program of Materials Camps, which aims to attract school children and their teachers to the field of Materials Engineering, the wider home of

Metallurgy and Polymer and Ceramic Science, and a leading foundation of the new nano-materials. He has been both a conference organizer and an instructor for ASMI's popular technical courses for non-engineers working in the metallurgical processing industry. Furthermore, he has ten credits for organizing technical conferences or sessions within technical conferences. Udayan is truly dedicated to the education of his fellow metallurgists. He continues to participate in organizing the regular chapter technical meetings for Pune and other organizations with synergistic interests.

The above information is written by Debbie Aliya who is a longtime member of ASM International based in Grand Rapids, Michigan, USA. She is a specialist in Failure Analysis of metal and plastic components, and in teaching failure analysis.

### NALCO Bags CII-EXIM Bank Business Excellence Award

Alumina Refinery of Navratna NALCO, located at Damanjodi in Koraput District of Odisha has bagged the prestigious CII-Exim Bank Business Excellence Award for the year 2018 in the Gold Plus category. The Award is based on the internationally recognized EFQM Excellence Model and is considered to be one of the highest recognition in the country in the area of Business Excellence. Instituted by the CII and the Export-Import Bank of India, the award was presented at the Quality Summit, held at Bengaluru recently. The award has been instituted with the aim of enhancing the Competitiveness of India Inc.

Appreciating the concerted efforts made by the employees, Dr. Tapan Kumar Chand, CMD of the company, conveyed hearty congratulations to NALCO Collective and said, that with our new business plan in place, we now focus on business excellence rather than just being a business organization.

It may also be noted that earlier NALCO's Alumina Refinery was also awarded for business excellence in the operational areas in 2016. Setting global benchmark, the company's Alumina Refinery is considered to be the lowest cost producer of alumina in the World (as per Wood Mackenzie report). The refinery had clocked the highest ever Alumina Hydrate production of 21.06 lakh with 100% capacity utilization in 2017-18.