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Radhakanta Rana is a Principal Researcher of High Strength Steels at Tata Steel in IJmuiden, The Netherlands. His current research area encompasses the development of innovative hot- and cold-formable steels for automotive and engineering applications, with an end-to-end approach and a particular focus on the understanding the chemistry-processing-structure-property paradigm. Radhakanta received his B.E. and M.E. degrees in Metallurgy and Materials Engineering from the then Bengal Engineering College (D.U.), India in 2001 and 2003 respectively. After a brief research stint at the Central Glass and Ceramic Research Institute (CGCRI) in Kolkata following his M.E., he earned his Ph.D. in Metallurgical and Materials Engineering from Indian Institute of Technology Kharagpur in 2009 with a 2 years DAAD Fellowship tenable at RWTH Aachen University, Germany. Dr. Rana started his professional career in Aluminium Metallurgy research group in early 2008 at the then Corus R&D in Netherlands where he worked until 2013. Then, he pursued his postdoctoral research for 2 years at ASPPRC, Colorado School of Mines before rejoining Tata Steel in 2015. Dr. Rana has developed a number of innovative sheet steel product technologies at Tata Steel, primarily for automotive and engineering applications. He has published some of his work on 3rd generation advanced high strength steels, press hardening steels, low density steels, high modulus steels, precipitation hardening steels and research techniques in 76 papers and 1 book chapter, and also filed for 17 patents. Dr. Rana has published 2 edited books on modern and emerging iron alloys and also edited 3 special issues in materials journals. He renders his service to the materials profession in various capacities such as Editor, Editorial Board Member, Key Reader, Expert Committee Member, Advisory Board Member etc. He received a number of TATA Group internal as well as external recognitions, including the Fellowship of the Institute of Materials, Minerals & Mining (IOM3) and Brimacombe Medalist award from the Minerals, Metals & Materials Society (TMS).

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