

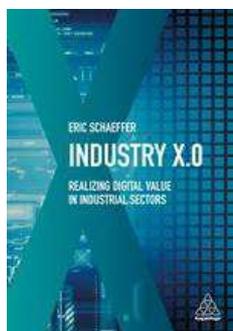
Book Reviews



Leading Science and Technology: India Next?

Author: Varun Aggarwal, Co-founder, Aspiring Minds. Publisher: SAGE India. Edition: 2018. Paperback Pages: 312 Price: INR 595

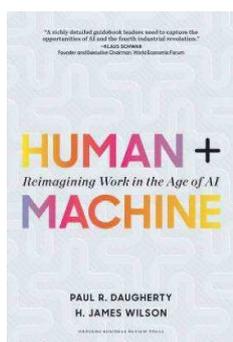
In a world buzzing with artificial intelligence, gene therapy, 3-D printing, and brain implants, where does India stand? India is not yet a front-runner in creating new knowledge and world-changing inventions. India does not even feature among the top 10 countries in scientific research. In this book, the author with hard facts and plenty of personal anecdotes argues that India would risk its economic progress, technology industry, and social development if it does not lead in research and innovation. He deliberates on how we can make India a leader in science and technology and uses a data-based approach to highlight the various limitations of India's research ecosystem. He demystifies how discoveries and inventions happen through stories and personal experiences. The book provides concrete, well-reasoned steps to build a "Scientific India." This is essential for India's success and for serving the cause of human progress. The author, after identifying the issues on why India is weak in science and research base, provides potential solutions. We are happy to inform the author and the publisher have given permission to publish the chapter 10 -- "Leading Science and Technology: Vision for the Future", of this book in full in two parts. The 1st part appears elsewhere in this issue. This book is a must read by all researchers and policy makers.



Industry X.0: Realizing Digital Value in Industrial Sectors

Author: Eric Schaeffer. Publisher: Kogan Page by Redline Verlag, Münchner Verlagsgruppe GmbH, München, Germany. www.redline-verlag.de Edition 2017. Hardcover. Pages: 192. Price: \$34.95

This book (Industry X.0) takes an insightful look at the business impact of the Internet of Things movement on the industrial sphere. The author combines deep analysis with practical strategic guidance, and offers tangible and actionable recommendations on how to realise value in the current digital age. Based on extensive research and insights into the six core competencies that have been identified by Accenture, It explores critical aspects of the Industrial Internet of Things (IIoT), discussing and defining them in an engaging and accessible manner. These include managing smart data, handling digital product development, skilling up the workforce, mastering innovation, making the most of platforms and ecosystems, and much more. Meticulously researched and clearly explained, this book makes a stringent case for companies to actively shift mind-sets away from products, towards services, value and outcomes. Complemented by a wealth of case studies and real world examples, it provides invaluable, practical 'how-to' advice for business organizations as they embark on their journeys into the era of the IIoT. We are happy to inform the publisher has given permission to publish the concise summary of takeaways of its nine chapters and the same has been published elsewhere in this issue.



Human + Machine: Reimagining Work in the Age of AI

Authors: Paul R. Daugherty & H. James Wilson. Publisher: Harvard Business Review Press. Edition: 2018. Hardcover: Pages: 264. Price: \$32.00.

In this book (Human + Machine), the authors, Paul R. Daugherty and H. James Wilson, the leaders from Accenture show that the essence of the AI paradigm shift is the transformation of all business processes within an organization--whether related to breakthrough innovation, everyday customer service, or personal productivity habits. As humans and smart machines collaborate ever more closely, work processes become more fluid and adaptive, enabling companies to change them on the fly--or to completely reimagine them. AI is changing all the rules of how companies operate. Based on the authors' experience and research with 1,500 organizations, the book reveals how companies are using the new rules of AI to leap ahead on innovation and profitability, as well as what you can do to achieve similar results. It describes six entirely new types of hybrid human + machine roles that every company must develop, and it includes a "leader's guide" with the five crucial principles required to become an AI-fueled business. It provides the missing and much-needed management playbook for success in our new age of AI. The authors believe AI will cause disruption, and many people will need education, training and support to prepare for the newly created jobs. To support this need, they are donating the royalties received from the sale of this book to fund education and retraining programs focused on developing fusion skills for the age of AI.