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Laltu Chandra · Ambesh Dixit
Editors

Concentrated Solar Thermal Energy Technologies

Recent Trends and Applications

 Springer

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Preface

Concentrated solar thermal (CST) technologies offer versatility, in terms of utilization over other renewable energy technologies, especially, in the Indian scenario. To explore and report the recent developments in this field, the National Conference on Solar Thermal Energy Technologies (NCSTET) is organized during February 26–28, 2016 at Indian Institute of Technology Jodhpur, India. More than hundred delegates from India have actively participated in this event and shared their findings. Also, some renowned speakers were invited for the event to share their experiences on the design and development of CST systems and sub-systems with the audience. This volume provides the current trends in CST research and technology, associated issues, and challenges, especially in the Indian context.

Jodhpur, India
January 2017

Laltu Chandra
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About the Editors

Dr. Laltu Chandra (Ph.D., 2005, University of Karlsruhe, Germany) has experience in experimental and numerical heat transfer and fluid mechanics. His interest includes nuclear and concentrated solar thermal sub-systems design, development, and evaluation. Recently, he has developed open volumetric air receiver based solar convective furnace system for metals processing. He has authored several research publications in international journals, as book chapters, and in conference proceedings.

Dr. Ambesh Dixit (Ph.D., 2010, Wayne State University, MI, USA) has experience in computational and experimental condensed matter physics with a special emphasis on design and development of materials for energy applications. He is currently working on the development of materials for energy conversion and storage. He has authored several research publications in international journals and conference proceedings.