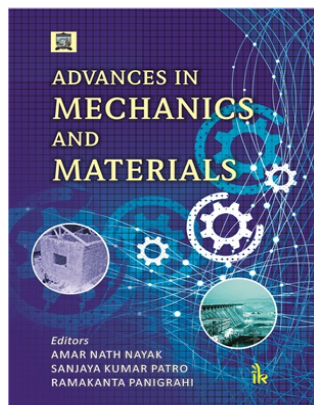


ADVANCES IN MECHANICS AND MATERIALS

Sanjaya Kumar Patro, Amar Nath Nayak & Ramakanta Panigrahi



2016	20.5cm X 29.5cm	368 pp	Paperback	ISBN: 9789385909566	Price: 1,995.00
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About the Book

Veer Surendra Sai University of Technology (VSSUT), Burla is one among the foremost universities of India in the field of higher education, basic and applied research. The foundation of this iconic college was laid in 1956 to cater the maintenance and upkeep of the mighty Hirakud Dam (world's longest earth dam) at Burla. The university now has sixteen academic departments in various disciplines in engineering and sciences.

The International Conference on Advances in Mechanics and Materials (ICRAMM-2016), was organized at the Veer Surendra Sai University of Technology, Burla, Odisha during 17-18 December, 2016.

Over the years, tremendous progress has been made in the fields related to mechanics and materials due to rapid advancements in analytical, experimental and computational facilities. The outcome has immensely benefited the industries, research and academic organizations in numerous ways. The International Conference on "Recent Advances in Mechanics and Materials (ICRAMM-2016)" will provide a common platform for academicians, engineers, scientists and technologists to come together and discuss the progress made on various aspects of mechanics and materials.

Realizing the importance of recent developments in the areas of recent advances in mechanics and materials, the conference ICRAMM 2016, focuses on following major themes: Computational mechanics, Experimental mechanics, Fluid mechanics, Geomechanics, Structural mechanics, Continuum mechanics, Coupled field problems, Structural and Soil Dynamics, Vibration Control, Structural Health Monitoring, Rehabilitation and Retrofitting of structures, Composite Materials, Cement Concrete Composites and Sustainable construction materials.

The papers included in this conference proceeding reflect in general the need for emerging technologies and growing interest in structural mechanics and materials to tailor it to meet the requirements for the varying application.

Salient Features

Covers all the major topics in Geology, with an emphasis on the geology of India.

Contains more than 1400 objective type questions with answers.

Presents solved GATE papers of the last 5 years.

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About the Author

Sanjaya Kumar Patro :- holds Ph.D from IIT Bombay. He had been a Post Doctorate fellow at University of Arkansas, USA and is currently Professor in department of Civil Engineering at VSSUT, Burla (Formerly UCE burla). He has published more than 40 technical papers in journals and conferences. His areas of interest are utilization of industrial solid waste in preparation of cement and concrete, application of nanoscience in concrete, computational wind engineering, energy dissipation systems for seismic resistant design and so on.

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