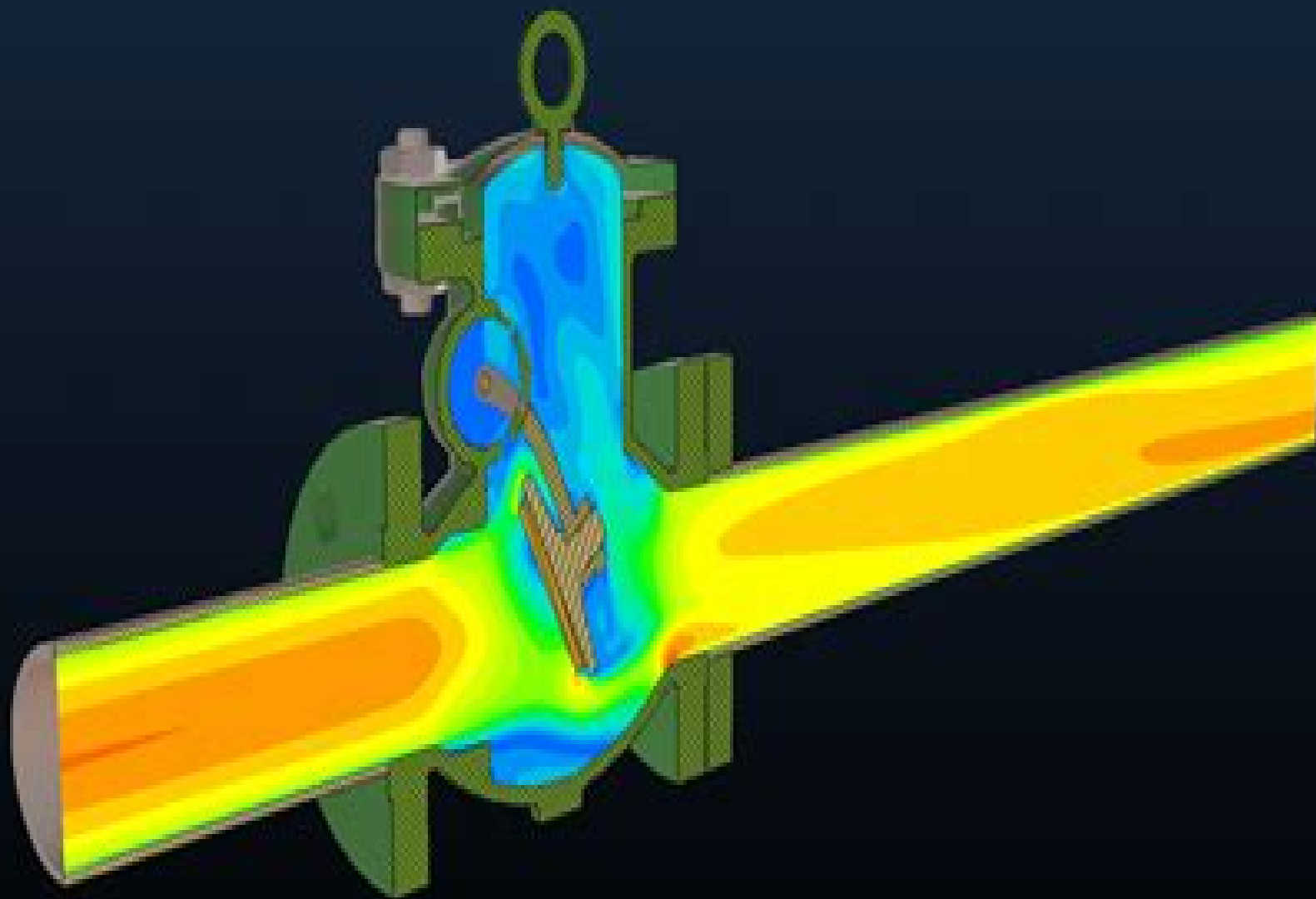




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Narwane, Ninad D. Mehendale, Nilkamal P. More, 2025-02-14 Energy Agriculture and Healthcare are key areas which address the development of the nation Technology related to automation computing data analysis sensor AI ML and IoT drives growth in these sectors The conference provided a single and integrated platform for researchers working in these areas with a focus on the use of IT tools It specifically focused on research in energy agriculture and healthcare It was organized in hybrid mode which encouraged researchers all over the world to participate and interact with peer researchers **Design,**

Simulation and Optimization of Hydraulic Machinery Ling Zhou, Jin-Hyuk Kim, Lei Tan, Xiaojun Li, 2022-08-04

Proceedings of the 1st Electrical Artificial Intelligence Conference, Volume 4 Ronghai Qu, Zhengxiang

Song, Zhiming Ding, Gang Mu, Rui Xiong, Li Han, 2025-04-11 This book is the fourth volume of proceedings of the 1st Electrical Artificial Intelligence Conference EAIC 2024 Artificial intelligence and low carbon economy are two vibrant research fields in the world today To achieve the goal of carbon neutrality not only signifies a significant transformation in the economic growth mode and a profound adjustment of energy systems but also has equally significant implications for the global economic and social transformation In the wave of the rapid development of digital economy artificial intelligence has become an important driving force for promoting high quality economic and social development In the path to the Dual Carbon goals which are the Peak Carbon Dioxide Emissions goal and the Carbon Neutrality goal artificial intelligence will play an important role especially in energy conservation and carbon reduction in the electrical field which is worthy of in depth exploration and research In order to promote the deep integration of the electrical engineering and artificial intelligence successfully achieve the dual carbon goals and promote green low carbon and high quality development the China Electrotechnical Society and relevant units jointly held the 1st Electrical Artificial Intelligence Conference in Nanjing China during the 6th 8th December 2024 The conference invited well known experts with significant influence in the fields of electrical engineering and artificial intelligence to jointly explore the application of artificial intelligence in the optimization design fault diagnosis intelligent control and optimized operation of electrical equipment promote the integration of artificial intelligence innovations and various application scenarios and actively lead the trend of technological innovation

Computer and Computing Technologies in Agriculture VIII Daoliang Li, Yingyi Chen, 2015-09-29 This book constitutes the refereed post conference proceedings of the 8th IFIP WG 5 14 International Conference on Computer and Computing Technologies in Agriculture CCTA 2014 held in Beijing China in September 2014 The 81 revised papers included in this volume were carefully selected from 216 submissions They cover a wide range of interesting theories and applications of information technology in agriculture including intelligent sensing monitoring and automatic control technology key technology and models of the Internet of things intelligent technology for agricultural equipment computer vision computer

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High-performance Sustainable Materials and Structures Prince Lazar, I. A. Palani, Manish Kumar, 2024-10-31 This book underscores the idea of harnessing the sustainable designs and materials in nature and integrating them into the field of engineering to design innovative materials and structures with multifunctional properties targeting defense automotive aerospace electronics nuclear healthcare energy sports packaging etc to offer improved safety reliability performance durability sustainability and functionality The concept of sustainability involves the understanding of how nature has evolved solutions to various challenges over millions of years and applying these principles to design innovative materials and structures with multifunctional properties This book provides a thorough examination of the methods and techniques used in developing sustainable materials and structures highlighting their potential for multifunctional applications The book delves into the expansion of our understanding in this field which is accompanied by novel synthesis and processing methods These methods and techniques incorporate sustainable strategies to create innovative materials and systems to offer a wide range of properties and functions making them highly attractive for various applications in different fields of advanced technology In addition these materials and structures can be tailored to have specific properties and functions such as self healing capabilities high strength to weight ratios and enhanced energy absorption which are the prime requirements for the researchers looking for lightweight materials and structures Journal of Fluids Engineering, 2008 **Scientific and Technical Aerospace Reports**, 1994 **Fundamentals of Fluid Power Control** J. Watton, 2009-08-24 This is an undergraduate text reference for applications in which large forces with fast response times are achieved using hydraulic control **International Aerospace Abstracts**, 1999 *41st AIAA/ASME/SAE/ASEE Joint Propulsion Conference & Exhibit 10-13 July 2005, Tucson, Arizona: 05-4350 - 05-4399*, 2005 *Advances in Thermal Sciences* Vivek Kumar Singh, Gautam Choubey, S. Suresh, 2022-11-09 This book presents select peer reviewed proceedings of the International Conference on Futuristic Advancements in Materials Manufacturing and Thermal Sciences ICFAMMT 2022 The book provides an overview of the latest research in the area of thermal sciences such as computational and numerical methods in fluid flow and heat transfer advanced energy systems optimization of thermal systems technologies for space and aerospace applications supersonic combustion two phase multiphase flows The book will be useful for researchers and professionals working in the field of thermal sciences **Hemodynamic Forces and Endothelial Mechanobiology in Vascular Diseases** Chih-Yu Yang, Der-Cherng Tarn, Yan-Ting Shiu, Katherine Yanhang Zhang, 2022-08-29 **Heart Valves** Paul A. Iaizzo, Tinen L. Iles, Massimo Griselli, James D. St. Louis, 2023-06-08 This state of the art handbook is dedicated to cardiac valve anatomy models for testing and research methods clinical trials and clinical needs and applications In this new edition

chapters are updated with the latest research in addition to new chapters on complex repair of CHD requiring conduits new trends for valve replacement like the Ozaki procedure as well as complex procedures in TAV SAV HARPOON and BASILICA with case studies for each type of procedure This volume serves as a helpful reference for patients educators students device designers and developers clinical study specialists clinicians and other associated healthcare providers *The Finding Guide to AIAA Meeting Papers* American Institute of Aeronautics and Astronautics. Technical Information Service,1993

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