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Conference proceedings | Sep 2023

Advances in Data Science and Computing Technologies

Select Proceedings of ASDC 2022

Editors: Basabi Chakraborty, Arindam Biswas, Amlan Chakrabarti

Constitutes peer-reviewed proceedings of Advances in Data Science and Computing Technologies, ADSC 2022

Presents recent research in the field of AI and Data Sciences

Serves as a reference resource for researchers and practitioners in academia and industry

Part of the book series: Lecture Notes in Electrical Engineering (LNEE, volume 1056)

Conference series link(s): ADSC: International Conference on Advances in Data Science and Computing Technologies

About this book

This book presents selected research papers on current developments in artificial intelligence (AI) and data sciences from the International Conference on Advances in Data Science and Computing Technologies, ADSC 2022. The book covers topics such as soft computing techniques, AI, optical communication systems, application of Internet of Things, hybrid and renewable energy sources, cloud and mobile computing, deep machine learning, data networks & securities. The book discusses various aspects of these topics, e.g., technological considerations, product implementation, and application issues. The volume will serve as a reference resource for researchers and practitioners in academia and industry.

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Keywords

Data Science   **Big Data Analytics**

Soft Computing

Nature Inspired Optimization

Predictive Analysis

Computational Intelligence

Cognitive Intelligence   **Deep Learning**

Intelligent Systems   **Computer Vision**

Image Processing

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About the editors

Basabi Chakraborty received B.Tech., M.Tech., and Ph.D. degrees in Radio Physics and Electronics from Calcutta University, India, and worked at Indian Statistical Institute, Calcutta, India until 1990. From 1991 to 1993 she worked as a part-time researcher in Advanced Intelligent Communication Systems Laboratory in Sendai, Japan. She received another Ph.D in Information Science from Tohoku University, Sendai in 1996. From 1996 to 1998, she worked as a postdoctoral research fellow at the Research Institute of Electrical Communication, Tohoku University, Japan. In 1998 she joined as a faculty in the Software and Information Science department of Iwate Prefectural University, Iwate, Japan. Her research areas are pattern recognition, image processing, soft computing techniques, biometrics, data mining, and online social media mining.

Arindam Biswas received M.Tech. in Radio Physics and Electronics from the University of Calcutta, India, in 2010 and a Ph.D. from NIT Durgapur in 2013. He was a postdoctoral researcher at Pusan National University, South Korea with the prestigious BK21PLUS Fellowship, Republic of Korea. He was a visiting Professor at the Research Institute of Electronics, Shizuoka University, Japan. Dr. Biswas has 12 years of teaching, research, and administrative experience. Presently, Dr. Biswas is working as an Associate Professor in the School of Mines and Metallurgy at Kazi Nazrul University, Asansol, WB, India. He has 54 papers in journals, 36 conference papers, 8 books, 06 Edited Volumes, and 01 book chapter to his credit. His research interest is in carrier transport in the low dimensional system and electronic device, non-linear optical communication, and THz semiconductor source.

Amlan Chakrabarti is a Full Professor in the A.K. Choudhury School of Information Technology at the University of Calcutta. He is an M.Tech. from the University of Calcutta and did his Doctoral research at Indian Statistical Institute, Kolkata. He was a Post-Doctoral fellow at the School of Engineering,

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Topics
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