

5th International Conference of Advances in Mechanical Engineering, 2025

Editorial Board

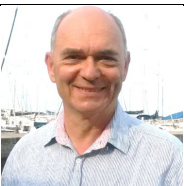


Editor in Chief










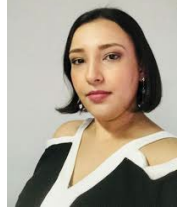
Dr. Muhammad Irfan, Associate Professor, Capital University of Science and Technology, Pakistan (email: m.irfan@cust.edu.pk)

Dr. Muhammad Irfan is an Associate Professor of Mechanical Engineering at the Capital University of Science and Technology, Islamabad. He obtained his Ph.D. from Koc University, Turkey, where he worked on developing a front-tracking multiphase phase change solver for the evaporation and combustion of fuel droplets. His research interests include phase change material-based energy storage devices, performance enhancements of photovoltaic panels, multiphase flows, and ejector refrigeration systems.

Associate Editors

	<p>Dr. Mikhael Gorokhovski, Emeritus Professor, Ecole Centrale de Lyon, France (email: mikhael.gorokhovski@ec-lyon.fr)</p> <p>PhD (1981) in physics and mathematics, Mikhael Gorokhovski was a Research Scientist at the State University of Kazakhstan for ten years. Since 1991, he has worked in France at Rouen University, where he obtained a full professor position in 1995, and then, since 2006, at the Ecole Centrale in Lyon, where he is emeritus professor of fluid mechanics. His research at LMFA concerns mainly the physics behind turbulent interactions in multiphase flows. He is the coordinator of the Henri Bénard Pilot Center in ERCOFTAC, a member of the expert committee of the Russian Science Foundation, and a member of the Editorial Board of Atomization and Sprays Journal.</p>
	<p>Dr. Muhammad Wakil Shahzad, Associate Professor, Northumbria University, United Kingdom (email: muhammad.w.shahzad@northumbria.ac.uk)</p> <p>Dr. Muhammad Wakil Shahzad is an Associate Professor in the Mechanical and Construction Engineering Department, at Northumbria University (NU), Newcastle Upon Tyne, United Kingdom. He is an expert in renewable energy storage and its applications for water treatment, hybrid desalination processes, heating/cooling, solar to alternative fuels, and life cycle cost analysis. He has won many international awards for his innovative desalination cycle.</p>
	<p>Dr. Azfar Khalid, Senior Lecturer, Nottingham Trent University, United Kingdom (email: azfar.khalid@ntu.ac.uk)</p> <p>Dr. Azfar Khalid holds a BS in Mechanical Engineering from the GIK Institute of Engineering, Pakistan, and a PhD in Precision Engineering from the University of Manchester (2009). Dr. Khalid is a Senior Lecturer of Mechanical Engineering at the Department of Engineering in the School of Science & Technology at NTU. He is actively pursuing research on smart factories, human-robot collaboration, cyber-physical production systems, digital twins, and Industry 4.0. Moreover, he is the research coordinator of the Department of Engineering and leading the Digital Innovation Research Group in smart technologies theme.</p>

	<p>Dr. Renata Oliveira, Professor, State University of Pará – UEPA, Brazil (email: renata.oliveira@uepa.br)</p> <p>Renata Oliveira is Professor at the State University of Pará (UEPA), Brazil, since 2009. Her research focuses on Data Envelopment Analysis, Multi-Objective Operational Research, Multicriteria Decision Analysis (MCDA), and Performance Assessment. Renata also serves as an External Researcher at the Institute for Systems and Computer Engineering, Technology and Science (INESC TEC) in Portugal. She leads the Center for Mathematical Optimization and Data Analysis for Decision Making in Multidisciplinary Contexts (NOMADE) and has authored several scholarly publications in her fields of expertise.</p>
	<p>Dr. Alexey Burluka, Professor, Northumbria University, United Kingdom (email: alexey.burluka@northumbria.ac.uk)</p> <p>Dr. Alexey Burluka is a Professor of Future Engineering within the Department of Mechanical and Construction Engineering at Northumbria University. He received his PhD degree in mechanical engineering from Université de Rouen, France in 1996. Professor Alexey Burluka is the head of the multi-disciplinary future engineering research theme and is coordinating research in the areas of combustion, propulsion, energy, and transport.</p>
	<p>Dr. Muhammad Mahabat Khan, Associate Professor, Capital University of Science and Technology, Pakistan (email: drmahabat@cust.edu.pk)</p> <p>Dr. Muhammad Mahabat Khan is an Associate Professor and Head of the Mechanical Engineering Department at Capital University of Science and Technology, Islamabad, Pakistan. He obtained his Ph.D. in Computation Fluid Dynamics from Ecole Centrale de Lyon, France. He has served as an advanced development engineer in Continental Automotive France for more than six years. He authored numerous WOS-indexed Journal articles and is currently the reviewer for several international journals and conferences. He is leading the thermal-fluids research group (Flowtherm). His research interests include Heat Transfer, Turbulent Flows, Thermal Energy Storage, and Multiphase Flows.</p>
	<p>Mr. Manzar Masud, Principal Lecturer, Capital University of Science and Technology, Pakistan (email: manzar.masud@cust.edu.pk)</p> <p>Manzar Masud is a Principal lecturer at the Department of Mechanical Engineering, Capital University of Science and Technology, Pakistan. He received his BS in aerospace engineering from the Institute of Space Technology, Pakistan, and an MS in Mechanical Engineering from HITEC University, Pakistan. Currently, he is a PhD candidate in the Department of Mechanical Engineering at SMME, NUST. His research interests include computational mechanics, material characterization of composite materials, mechanical behavior of bio-hybrid composite materials, and solid mechanics.</p>
	<p>Dr. Inam Ul Ahad, Assistant Professor, Dublin City University, Ireland (email: InamUl.Ahad@dcu.ie)</p> <p>Dr. Inam Ul Ahad is an Assistant Professor in Advanced Manufacturing at the School of Mechanical and Manufacturing Engineering at Dublin City University. Dr Ahad is also a Principal Investigator in the Advanced Processing Technology Research Centre, at Dublin City University. Dr Ahad's main area of research is focused on the development of sensors for industrial applications, new materials, and in-situ process monitoring techniques for additive manufacturing, enhancement of corrosion resistance using laser-based techniques, technology transfer, and prototype development.</p>

	<p>Dr. Shummaila Rasheed, Assistant Professor, Capital University of Science and Technology, Pakistan (email: shummaila@cust.edu.pk)</p> <p>Dr. Shummaila Rasheed holds a distinguished PhD from Capital University of Science and Technology in collaboration with Dublin City University, Ireland. Her extensive expertise spans Biomechanics, Additive Manufacturing, Finite Element Modelling & Analysis, Material Characterization, Computational Fluid Dynamics, Rehabilitative Devices, Exoskeletons, Human-Robot Collaboration, and Industry 4.0. She has significantly contributed to the scholarly community by reviewing, chairing, and co-chairing technical sessions at prestigious international conferences.</p>
	<p>Dr. Waqas Lughmani, Senior Lecturer, Birmingham City University, United Kingdom (email: waqas.lughmani@bcu.ac.uk)</p> <p>Dr. Waqas Lughmani has over 15 years of experience in research, product design, teaching, and industry. He got his PhD in Mechanical Engineering from Loughborough University. In his PhD research, he pioneered a novel approach to assess bone quality using drilling force data during orthopaedic surgery. He also patented a microneedle device for transdermal drug delivery. His active research areas include Finite Element Analysis, Product Design and Development, Cyber Physical Systems, Biomedical Devices, Additive Manufacturing and Biomaterials</p>
	<p>Dr. Nathalia Juca Monteiro, Assistant Professor, State University of Pará – UEPA, Brazil</p> <p>Nathalia Juca Monteiro is Assistant Professor in the Department of Production Engineering at the University of Para State (UEPA), Amazon, Brazil. Her research interests include Operations Research, Multicriteria Decision Analysis (MCDA), and Supply Chain Management. She is vice-leader at the Center for Mathematical Optimization and Data Analysis for Decision Making in Multidisciplinary Contexts (NOMADE). She has also researched energy efficiency and green supply chain management and its implications for sustainability. Monteiro's work also explores key performance measurement capabilities for managing distributed teams and the development of a composite indicator to assess the state responsiveness of public healthcare systems and modern higher education project management approaches.</p>