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Report on the 27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2023)



**Pallippattu K. Vijayan**, Department of Chemical Engineering, IIT Jammu, vijayan.pallippattu@iitjammu.ac.in  
**Rishi Raj**, Department of Mechanical Engineering, IIT Patna, rraj@iitp.ac.in  
**Arvind Pattamatta**, Department of Mechanical Engineering, IIT Madras, arvindp@iitm.ac.in

The 27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2023) took place at the Indian Institute of Technology Patna from December 14<sup>th</sup> to 17<sup>th</sup>, 2023. The conference is a biennial event organized by the Indian Society of Heat and Mass Transfer (ISHMT) in collaboration with the American Society of Thermal and Fluids Engineers (ASTFE). Since its inception in 1971, the conference has evolved into a prestigious platform for researchers, scientists, and industry professionals to share and discuss advancements in heat and mass transfer.



Inauguration of IHMTTC-2023.



Prof. K.N. Seetharamu Medal and Prize-2023 awarded to Prof. Dr. Purbarun Dhar, IIT Kaharagpur

**Conference Overview:**

The IHMTTC-2023 featured a rich program, including four (04) plenary lectures, thirteen (13) keynote sessions, four (04) industry sessions, forty-eight (48) parallel sessions, and three (03) poster sessions. The event focused on diverse themes related to energy, fluid flow, heat and mass transfer. The conference received a significant number of paper submissions, totaling 419 across 24 diverse themes. After a rigorous two-round review process, more than 350 papers were accepted, with an average of 2.3 reviews per paper. The accepted papers were presented in two formats: 215 oral presentations and 120 poster presentations.



Plenary speaker, Prof. Zhuomin Zhuang, Georgia Tech, being felicitated.



Keynote speech Dr. Sunil Kumar from Indian Space Research organization (ISRO)

**Publication and Special Issues:**

The IHMTTC-2023 announced the publication of many special issues in reputed journals such as the *Internal Communications in Heat and Mass Transfer* and *Begell House Journals*. The commitment to ensuring a high-quality review and publication process was appreciated by all participants.

**Participation:**

The conference attracted nearly four hundred (~400) participants from more than ten (10) countries and various organizations, including ISRO, BARC, IGCAR, DRDO, CSIR, ANSYS, and others. The conference received support from agencies such as SERB, BRNS, CDFEM, AMETEK, and publishing houses like Begell House and ACS.



Cultural Programme

**Conclusion:**

The IHMTTC-2023 provided a comprehensive platform for researchers and professionals in the heat and mass transfer community. The commitment to maintaining high standards in paper selection, the global participation, and the emphasis on industry collaboration underscored the success of the conference. The organizers expressed hope for a rewarding and enjoyable conference experience for all participants, highlighting the efforts made to ensure both technical enrichment and comfort. Feedback from attendees was encouraged to further enhance future conferences.



Group Photo