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Preface

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Preface

The 2021 UIT (Italian Union of Thermo-Fluid Dynamics) International Conference, hereafter referred as 38th UIT 2021, was organized by the Department of Civil and Mechanical Engineering of the University of Cassino (Italy), in collaboration with the UIT, on June 21st-23rd 2021.

The 38th UIT Heat Transfer Conference 2021 was organized by the Organizing Committee of the 38th UIT Heat Transfer Conference, initially scheduled for June 21st-23rd 2021 at the Castello di Gaeta, Italy. Considering the criticalities induced by the spread of COVID-19, difficulties in travelling, social distancing, and strict rules to follow, the Organizing Committee made the difficult decision to organize the 38th UIT Heat Transfer Conference 2021 completely online on June 21st-22nd 2021, using the platform Google Meet, to give the opportunity to the authors to introduce their valuable papers in 11 online parallel technical sessions. A total of 58 abstracts were submitted to the 38th UIT Heat Transfer Conference 2021, 45 of which presented by the Authors in oral sessions, while the remaining 13 abstracts were presented in poster sessions.

The 38th UIT Heat Transfer Conference 2021 program scheduled a plenary lecture given by Prof. Giovanni Betta from the University of Cassino and Southern Lazio, while each author confined his talk in 15 minutes, including questions and answers. The majority of participants were from Italy, with a total number of about 70 researchers connected to the 38th UIT 2021 online event.

The 38th UIT Heat Transfer Conference 2021 was a useful occasion to stimulate discussion, further the understanding of heat transfer and related phenomena, present the state-of-the-art of some topics, discuss emerging trends and promote collaborations. The Organizing Committee hope that the event results constituted significant contribution to the knowledge in the following topics: computational fluid dynamic and heat transfer; multi-phase fluid dynamics, heat transfer and interface phenomena; heat transfer in energy systems and nuclear plants; micro and nano scale thermo-fluid dynamics; heat transfer in porous media; measurement techniques for heat and mass transfer.

A special tank to UIT, international advisory committee, local organizing committee and all the participants.

With Kind Regards

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