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13 ISBN   9787561164532

10 ISBN   756116453X

        2011-8

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    286

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It is a great pleasure to welcome all participants of the Second International Conferenceon Computational Methods for Thermal Problems THERMACOMP2011 to Dalian.Computational and mathematical methods have had a profound impact on theunderstanding and advancement of engineering science and technology over the last fewdecades. The conference aims to convene a diverse scientific audience ofmathematicians, physicists, engineers and computational scientists that have acommunal interest in modelling thermal problems. It is encouraging to learn that thisconference represents an interdisciplinary forum of scientists with expertise rangingfrom heat conduction, convection and radiation to CFD and thermo-mechanicalcoupling. We hope that the interaction between scientists during the conference leads tonew topics of research and new collaborations.

PLENARY LECTURESKEYNOTE LECTURESMINI-SYMPOSIATHERMO-MECHANICAL COUPLING OF INHOMOGENEOUS MEDIA AND COMPLEX STRUCTURESDISCRETIZATION METHODS FOR RADIATION DIFFUSION PROBLEMS AND RELATED APPLICATIONSLATTICE BOLTZMANN METHOD FOR FLOW AND HEAT TRANSFERTHERMAL-RELATED STRUCTURAL DESIGN AND OPTIMIZATIONPARALLEL SESSIONSNUMERICAL METHODSHEAT AND MASS TRANSFER IN POROUS MEDIACONDUCTION, CONVECTION, RADIATIONPOWER PLANTS AND EQUIPMENT SIMULATION

It is a great pleasure to welcome all participants of the Second International Conference on Computational Methods for Thermal Problems (THERMACOMP2011) to Dalian. Computational and mathematical methods have had a profound impact on the understanding and advancement of engineering science and technology over the last few decades. The conference aims to convene a diverse scientific audience of mathematicians, physicists, engineers and computational scientists that have a communal interest in modelling thermal problems. It is encouraging to learn that this conference represents an interdisciplinary forum of scientists with expertise ranging from heat conduction, convection and radiation to CFD and thermo-mechanical coupling. We hope that the interaction between scientists during the conference leads to new topics of research and new collaborations.

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