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Welcome Message

The 3rd Conference on Heat Energy (HE 2016) will be held from August 24 to 26, 2016 in Xi'an, China. This Conference will cover issues on Heat Energy. It dedicates to creating a stage for exchanging the latest research results and sharing the advanced research methods.

HE 2016 will be co-located with the following conferences:

[The 5th Conference on Computational Mechanics \(CCM 2016\)](#)

[The 4th Int'l Conference on Molecular, Atomic, Nuclear and Particle Physics \(MANPP 2016\)](#)

[The 3rd Int'l Conference on Radiation Effects and Radiation Protection \(RERP 2016\)](#)

[The 2nd Int'l Conference on Ultrasonics and Applications \(ICUA 2016\)](#)

[The 2nd Int'l Conference on Plasma Physics and Applications \(PPA 2016\)](#)

[Conference on High Energy Physics \(HEP 2016\)](#)

[Int'l Conference on Theoretical and Computational Physics \(TCP 2016\)](#)

[Int'l Conference on Nuclear Science and Engineering \(NSE 2016\)](#)

HE 2016 will be an important platform for inspiring international and interdisciplinary exchange at the forefront of Heat Energy. The Conference will bring together researchers, engineers, technicians and academicians from all over the world, and we cordially invite you to take this opportunity to join us for academic exchange and visit the ancient city of Xi'an.

We look forward to seeing you in Xi'an in August 2016.

Call for Papers

The 3rd Conference on Heat Energy (HE 2016) will be held from August 24 to 26, 2016 in Xi'an, China. You are invited to submit papers and participate in our academic exchange. The conference is soliciting state-of-the-art research papers in the following areas of interest:

Technology and Systems

Heat Pump Systems and Cooling Systems
Advances in Equipment Design
Development and Technology Integration
Advanced Electrically and Thermally Operated Systems
Hybrid Systems and Controls
Ground Source Heat Pump Systems and Controls
Heat Pumping Technologies for Heating and Cooling of Low Energy Houses

Systems for District Heating and Cooling
Heat Transfer in Energy Systems
Thermophysical Properties
Geothermal Energy Projects
Waste Heat to Power Projects
Synergistic Power Designs in Oil/Gas Field Settings
Advancements in Power Generation Technology and Drilling
Improved Fracturing Techniques
Theory and Fundamental Research in Heat

Transfer
Quality Assurance and Support Measures for
Heat Energy and Cooling Program

Meter Asset Management System
Meter Warehouse Logistic Management
Systems
Energy Efficiency and Saving Management

Applications Energy efficiency and environmental advantages

District Energy and Refrigeration
Heat Pumps for Residential, Commercial and Industrial Applications
Air Conditioning for Residential, Commercial and Industrial Applications
Refrigeration Equipment and Systems for Residential, Commercial and Industrial Applications
Heat Transfer Enhancement for Practical Applications
Heat and Mass Transfer in Fire and Combustion
Heat Energy and Cooling Program in Urban Planning
Renovation of Non-Residential Buildings
Aerospace Heat Transfer
Heat Transfer in Multiphase Systems
Gas Turbine Heat Transfer
Transport Phenomena in Materials Processing and Manufacturing
Heat Transfer in Electronic Equipment
Heat and Mass Transfer in Biotechnology
Heat and Mass Transfer under Extreme Conditions
Environmental Heat Transfer
Computational Heat Transfer
Visualization of Heat Transfer

Metering, AMR & Data Management

Various Types of Heat Meters
Electronic Meter Components/Parts, Semiconductors
Smart Heat Metering Technologies
AMR & AMI System Solutions
Communication Modules and Infrastructure
Handheld Meter Reading Equipments
Meter Test and Inspection Equipment
Data Management Technologies

Thermal Energy Storage

New and Enhanced Materials for Thermal Energy Storage
Methods for Material Testing and Characterization
Prediction of Material Behavior
Micro- and Macro-encapsulation Methods
Heat Transfer Enhancement
Multi-scale Modeling and Numerical Simulation
Experimental Validation of Numerical Models
Thermal Energy Storage in Renewable Energy Systems
Thermal Energy Storage in Buildings
Novel Storage Concepts

Research and Development

Technology Trends
New Developments in Heat Pumping Technologies
Resource Assessment and Forecasting
Heat Transfer Education and Future Directions in Heat Transfer
Heat and Mass Transfer in the Micro- and Nano-Scales
Nuclear Energy
Net Zero Energy Buildings
Polymeric Materials for Thermal Applications
Energy Efficiency for Sustainable Future: Knowledge Development and Transfer
Biofuels and Co-products Sustainability
Energy Prices and Household Behavior
Technological possibilities and opportunities for a sustainable resolution of the crisis
Opportunities to transform the current crisis toward sustainable knowledge society
Energy System Analysis and Smart Energy Systems
Smart Green Cities

Important Dates

Conference: August 24-26, 2016

Paper or Abstract Submission Due: April 6, 2016