



THMT'20

St. Petersburg, Russia
July 6-9, 2020



NOVOSIBIRSK STATE UNIVERSITY
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First Announcement and Call for Papers

Turbulence, Heat and Mass Transfer

The 10th symposium will again assemble scientists and engineers in the area of turbulence-related heat and mass transfer to discuss recent advances, emerging challenges and future prospects in research and applications. Major topics and new trends will be addressed by invited keynote speakers

Lisbon (1994), Delft (1997), Nagoya (2000), Antalya (2003), Dubrovnik (2006), Rome (2009), Palermo (2012), Sarajevo (2015), Rio de Janeiro (2018)

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DEADLINES: Abstracts: NOVEMBER 30, 2019

Notification of acceptance: JANUARY 15, 2020

Final manuscripts: APRIL 15, 2020

- Experiments, techniques and theories on scalar transport and the role of turbulence in forced, natural and mixed convection
- Numerical simulations/modelling of turbulence and heat and mass transfer: DNS/LES, hybrid RANS/LES, DES, PANS, PDFs, (U)RANS
- Turbulent heat and mass transfer control and augmentation
- Unsteadiness, transients, and effect of body forces in turbulent heat and mass transfer
- Heat and mass transfer in compressible and high-speed flows
- Turbulence in two-phase flows, effects of turbulence in particulate, droplet and film heat and mass transfer
- Turbulence, heat and mass transfer in combustion and other reacting flows; turbulence-radiation interactions
- Environmental and geophysical turbulent flows and transport phenomena
- Turbulence-related heat and mass transfer in energy, process and environmental technologies
- Turbulence, heat and mass transfer in biological and biomedical flows
- Turbulence, heat and mass transfer in material processing, in MHD and other special applications