Special Issue

Liquid Crystal Thermography for Gas Turbine Heat Transfer Measurements

Message from the Guest Editors

This topic invites papers focused on the broad areas of gas turbine heat transfer where liquid crystal thermography is employed under both stationary and rotating operating conditions for detailed measurements of heat transfer quantities. Papers focused on image processing, image noise reduction, color perception, calibration methods, advanced instrumentations for image acquisition, TLC surface illumination, TLC surface preparation methods, TLC spray coating effects, TLC degradation, etc. are also invited. Papers are also sought which employ advanced solid heat diffusion modeling techniques using detailed surface temperature data through liquid crystals for the determination of the above heat transfer quantities.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2021)

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About the Journal

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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