



Combustion Science and Technology Recent Trends

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Narosa Publishing House, 2009. Hardcover. Book Condition: New. Combustion Science and Technology: Recent Advances discusses the new emerging technologies for combustion modeling, diagnostics and control as well as the advances in renewable energy and clean combustion technologies and brings together active contribution of researchers from academia, industries and research institutions. The directions of future research are identified that will greatly help the combustion community. Table of Contents Preface / COMBUSTION TECHNOLOGIES: Innovative Combustion and Emissions Reduction Techniques / Laser Ignition of Engines / Entropy Generation and Exergy Destruction in Combustion / GE Aviation Low Emissions Combustion Technology Evolution / ALTERNATIVE FUELS: Utilizing Combustion Imaging to Enable the Use of Alternative Fuels in Engines / Undesirable Combustion Control Techniques of a Hydrogen Engine / Performance and Emission Test of Biodiesel Fuelled In-direct Injection Diesel Transportation Engine Systems / COMBUSTION DYNAMICS: Control of Combustion Processes / Thermoacoustic Instability without Eigenvalues / Experimental and Numerical Investigation of Fundamental Aspects of Combustion Dynamics / Computational Combustion: Uncertainties in our Knowledge What we Don't Know / Connect-pipe Testing and Evaluation of Scramjet Combustor / Development of Water-mist Nozzles and Fire Suppression by Total Flooding / ENVIRONMENTAL IMPACT OF COMBUSTION: Air Quality and Climate Impacts of...



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