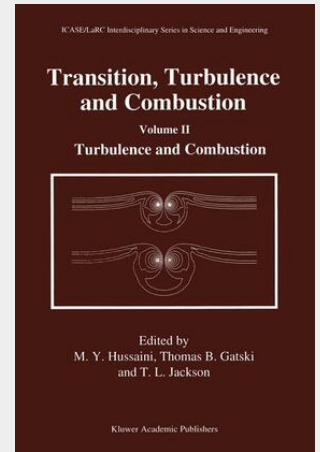


## Transition, Turbulence and Combustion

Volume II: Turbulence and Combustion

These two volumes contain the proceedings of the Workshop on Transition, Turbulence and Combustion, sponsored by the Institute for Computer Applications in Science and Engineering (ICASE) and the NASA Langley Research Center (LaRC), during June 7 to July 2, 1993. Volume I contains the contributions from the transition research, and Volume II contains the contributions from both the turbulence and combustion research. This is the third workshop in the series on the subject. The first was held in 1989, the second in 1991, and their proceedings were published by Springer-Verlag under the titles "Instability and Transition" (edited by M. Y. Hussaini and R. G. Voigt) and "Instability, Transition and Turbulence" (edited by M. Y. Hussaini, A. Kumar and C. L. Streett) respectively. The objectives of these workshops are to expose the academic community to current technologically important issues of transition, turbulence and combustion, and to acquaint the academic community with the unique combination of theoretical, computational and experimental capabilities at LaRC. It is hoped these will foster continued interactions, and accelerate progress in elucidating the fundamental phenomena of transition, turbulence and combustion. The research areas of interest in transition covered the full range of the subject: linear and nonlinear stability, direct and large-eddy simulation and phenomenological modeling of the transition zone.

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*Lieferfrist: bis zu 10 Tage*

**Artikelnummer:** 9789401044509

**Medium:** Buch

**ISBN:** 978-94-010-4450-9

**Verlag:** Springer Netherlands

**Erscheinungstermin:** 20.10.2012

**Sprache(n):** Englisch

**Auflage:** Softcover Nachdruck of the original 1. Auflage 1994

**Serie:** ICASE LaRC Interdisciplinary Series in Science and Engineering

**Produktform:** Kartoniert

**Gewicht:** 588 g

**Seiten:** 342

**Format (B x H):** 160 x 240 mm

