

inadequate; they are not related to any list of references and usually give no more than the date and the authors' names. Most references are to publications before 1950, little new material having been added for the second English edition.

As might be expected in an essentially older work of this nature, there is no consideration given to numerical methods or simulations anywhere in the text.

Landau and Lifshitz has lasting value as a reference text. It illustrates the roots of fluid mechanics, uncluttered by many of the approximations and complex applications of modern treatment. The book is interesting to read, sometimes exasperating in its unconventionality but never dull. In any case, who among us would consider writing a ten-volume course on anything which would include the elements of modern fluid dynamics as one volume?

*I. S. Gartshore*

**Thermo- and Laser Anemometry**  
*A. F. Polyakov, Editor*  
Hemisphere Publishing Corp., 1989,  
\$40.00 U.S. and Canada 173 pp.

This small book is a collection of diverse papers compiled from a series of workshops attended by experts from the USSR State Committee for Science and Technology and Dantec Elektronik. It treats special topics in laser Doppler anemometry (seven papers) and in hot-wire and hot-film anemometry (three papers).

The volume begins with an increasing and substantial paper by B. S. Petukhov *et al.* on "Experimental and theoretical study into the resolution of single-wire thermoanemometric sensors," followed by a description of a new triple-split probe, by F. E. Joergensen, and measurements in a turbulent boundary layer with gas injection through a porous surface, by V. P. Motulevich *et al.*

The papers on LDA include description of a "Spectral method of measuring the

structure of turbulence using LDA," by Smirnov *et al.*; a review of "Fiber-optic laser anemometry," by P. Buchhave and J. Knuhtsen; and two more papers, by P. Buchhave, on "Three-dimensional LDA measurements" and "Laser doppler measurements in media with refractive index fluctuations." The volume concludes with "Techniques for measuring the velocity vector and Reynolds stresses using LDA upon flow in cylindrical or conical models," by A. S. Timofeyev; "Automated system for measuring statistical characteristics of turbulence in non-isothermal flows of liquid and gas," by P. L. Komarov and S. A. Shindin, and "Adapting Soviet-made argon laser to dantec (DISA) LDA optics," by M. E. Romash.

The level of presentation is such that the papers can be read easily by readers who have a basic knowledge of LDA and thermal anemometry.

*R. J. Adrian*

## CALENDAR

**NUMETA '90—Numerical methods in engineering: theory and applications**

8–11 January 1990  
Swansea, UK

John Middleton or Gyan Pande, Department of Civil Engineering,  
University College of Swansea, Swansea

**International Institute of Refrigeration—  
Thermophysical properties of pure  
substances and mixtures for refrigeration**

5–7 March 1990,  
Tel-Aviv, Israel

The Secretariat, Meeting of the International Institute of  
Refrigeration, P.O. Box 50432, Tel-Aviv 61500, Israel

**Short courses on multiphase flow and  
heat transfer—bases and applications  
in (A) the nuclear power industry and  
(B) the process industries**

19–23 March 1990,  
Zurich, Switzerland

Professor G. Yadigaroglu, ETH-Zentrum, CH-8092 Zurich,  
Switzerland

**2nd International symposium on  
condensers and condensation**

28–30 March 1990, Bath  
University, UK

Dr. W. C. Lee, Building 392.4, Thermal Hydraulics Division,  
Harwell Laboratory, Oxfordshire OX11 0RA, UK

**3rd International symposium on transport  
phenomena**

1–4 April 1990, Honolulu,  
Hawaii

Dr. J. H. Kim, Electric Power Research Institute, 3412 Hillview  
Avenue, PO Box 10412, Palo Alto, CA 94303, USA

**9th International heat transfer conference**

19–24 August 1990  
Jerusalem, Israel

Y. Zvirin, Secretary, IHTC 9, Faculty of Mechanical Engineering,  
Technion, Israel Institute of Technology, Haifa 32000, Israel

**CHEMECA 1990—Australasian chemical  
engineering conference**

27–31 August 1990,  
Auckland, New Zealand

Dr. J. J. J. Chem, CHEMECA 1990, Department of Chemical and  
Materials Engineering, University of Auckland, Auckland,  
New Zealand