

transfer between surfaces, heat exchangers, latent heat transfer or sensible heat transfer, may be useful for engineers in the field and in research.

Among the book's shortcomings is the failure to give answers to the practice problems presented at the end of each chapter, especially for those requiring numerical computation. More importantly, no bibliography is given to which the reader may refer for further study. The only references which are made appear at the bottom of respective pages, where the authors document the origin of tables and graphs.

In sum, the book successfully combines an elementary but comprehensive exposition of heat transfer and the style of a practising engineer's handbook. It is this, together with the serious treatment of SI units, which makes the book original and attractive to a wide range of readers.

R. W. Lewis
Civil Engineering Department
University College, Swansea

Published, price £18.95, by Harper & Row Ltd, 28 Tavistock Street, London WC2E 7PN

Books received

Guide to Efficient Burner Operation: Gas, Oil and Dual Fuel, *E. A. Faulkner Jr.*, £30.60, Van Nostrand Reinhold

Content at level appropriate to technician/plant operator. Imperial units used throughout

Thermal Radiation Heat Transfer, Second Edition, *R. Siegel and R. Howell*, \$32.00, 862pp, Hemisphere Publishing Corporation

Power Condenser Heat Transfer Technology: Computer Modeling, Design, Fouling, *ed. P. J. Marto and R. H. Nunn*, \$47.50, pp 490, Hemisphere Publishing Corporation

Proceedings of a workshop 'Modern Developments in Marine Condensers' held in California in 1980. Each topic (computer modeling; non-condensable gasses; vapour shear and condensate inundation; enhancement; fouling) is treated in a keynote paper, prepared papers and recorded discussion and summaries.

Two-Phase Momentum, Heat and Mass Transfer in Chemical, Process, and Energy Engineering Systems, Volumes 1 and 2, *ed. F. Durst, G. V. Tsiklauri and N. H. Afgan* \$119.00, pp 1079, Hemisphere Publishing Corporation

Two Volume post conference proceedings of seminar (Belgrade, September 1978) containing 74 papers. Subjects covered include: two-phase flow fundamentals; two-phase flow of rigid and deformable particles; non equilibrium phenomena; interface transport in liquid films; numerical studies of two phase flows; heat transfer and pressure drop in the power generator; mist flows, sprays, and dispersal bubble flows; two-phase and reactor safety; isothermal two-phase flows in chemical systems; heat and mass transfer in two-phase flow chemical systems.

Heat and Mass Transfer in Metallurgical Systems, *D. B. Spalding and N. H. Afgan*, \$99.00, 758pp, Hemisphere Publishing Corporation

Heat Exchangers: Thermal-Hydraulic Fundamentals and Design, *S. Kakac, A. E. Bergles and F. Mayinger*, \$95.00, 1131pp, Hemisphere Publishing Corporation

Thermodynamics and Gas Dynamics of Internal-combustion Engines, *R. W. Benson*, £55.00, 500pp, Oxford University Press

Advances in Fluid Mechanics, *ed. E. Krause*, DM 43 (\$20.10), 361pp, Springer-Verlag

Advances in Heat Pipe Technology, *ed. D. A. Reay*, £42.00 (\$100.00) 818pp, Pergamon Press Ltd



**ASME International '83
Bermuda Winter Symposium
Modelling and Simulation**

1-3 March 1983
Bermuda

Association for the Advancement of Modelling and Simulation
Techniques in Enterprises, 16 Avenue de Grange Blanche,
69160 Tassin-la-Demi-Lune, France

**International Conference on
the Physical Modelling of
Multi-phase Flow**

19-21 March 1983
Coventry, UK

The Conference Organiser, BHRA Fluid Engineering,
Cranfield, Bedford, UK, MK43 0AJ

**ASME-JSME Thermal
Engineering Joint Conference**

20-24 March 1983
Honolulu, HI, USA

Professor W. J. Yang, Department of Mechanical Engineering
and Applied Mechanics, University of Michigan, Ann Arbor,
MI 48109, USA
ASME, 345 East 47th Street, New York, NY 10017, USA

**28th Annual International Gas
Turbine Conference**

27-31 March 1983
Phoenix, AZ, USA

3rd Multiphase Flow and Heat Transfer Symposium-
Workshop, Clean Energy Research Institute, University of
Miami, PO Box 248294, Coral Gables, FL 33124, USA

**3rd Multiphase Flow and Heat
Transfer Symposium-
Workshop**

18-20 April 1983
Miami Beach, FL, USA

**Flow Metering and Proving
Techniques in the Offshore Oil
Industry**

11-12 May 1983
Aberdeen, UK

Institute of Measurement and Control, 20 Peel Street, London,
UK, W8 7PD

**CANCAM '83-International
Conference of the Canadian
Congress of Applied
Mechanics**

30 May-3 June 1983
Saskatoon, Canada

Mr Boris Maduke, Conference Secretary—CANCAM '83,
College of Engineering, University of Saskatchewan,
Saskatoon, Canada S7N 0W0

Calendar

International Conference on Optical Techniques in Flow Monitoring and Process Control	14-16 June 1983 The Hague, The Netherlands	The Conference Organiser, BHRA Fluid Engineering, Cranfield, Bedford, UK, MK43 0AJ
21st National Heat Transfer Conference	24-28 July 1983 Seattle, WA, USA	J. Chiffrieller, AIChE Meetings Department, 345 East 47th Street, New York, NY 10017, USA
3rd International Conference on Numerical Methods in Thermal Problems	2-5 August 1983 Seattle, WA, USA	Dr R. W. Lewis, Department of Civil Engineering, University College of Swansea, Singleton Park, Swansea, UK, SA2 8PP
Numerical Methods in Laminar and Turbulent Flow	8-11 August 1983 Seattle, WA, USA	Dr C. Taylor, Department of Civil Engineering, University College of Swansea, Singleton Park, Swansea, UK, SA2 8PP
18th Intersociety Energy Conversion Engineering Conference	21-26 August 1983 Orlando, FL, USA	W. R. Martini, Martini Engineering, 2303 Harris, Richland, WA, USA
3rd International Symposium on Flow Visualisation	6-9 September 1983 Ann Arbor, MI, USA	Professor Wen-Jei Yang, Department of Mechanical Engineering and Applied Mechanics, The University of Michigan, Ann Arbor, MI 48109, USA
4th Symposium on Turbulent Shear Flows	12-14 September 1983 Karlsruhe, FRG	B. E. Launder, Department of Mechanical Engineering, UMIST, Manchester, UK, M60 1QD
12th World Energy Conference	19-23 September 1983 New Delhi, India	E. Ruttley, World Energy Conference, 34 St. James' Street, London, UK, SW1A 1HD
Tokyo International Gas Turbine Congress	October 1983 Tokyo, Japan	The Organising Committee, 1983 Tokyo International Gas Turbine Congress, c/o Sansei International Inc, Fukide No 2 Building, 1-21 Toranomom, 4-chome, Minato-ku, Tokyo 105, Japan
FLOMEKO '83 (IMEKO Flow Measurement Conference)	20-22 September 1983, Budapest, Hungary	A. Szilvassy, IMEKO Secretariat, H1371, POB 451
ASME Winter Annual Meeting	13-18 November 1983 Boston, MA, USA	ASME, 345 East 47th Street, New York, NY 10017, USA

GAS TURBINE TECHNOLOGY UPDATE

When choosing the one technology conference to attend in 1983...
The International Gas Turbine Conference and Exhibit
gives you five reasons why it is **THE** one!

Largest Technical Program-In London in 1982, 324 papers were reviewed, printed and available at the Conference.

Broadest In-Depth Coverage of Topics-Topics run the gamut of gas turbine technology from aircraft to vehicles... from pipelines to electric utilities... from controls to turbomachinery... and much, much more.

Largest Exhibit Program-You and your colleagues will be able to visit over 32,000 sq. ft. of displays and speak with representatives of leading suppliers of gas turbine equipment and services from throughout the world.



**28th INTERNATIONAL
GAS TURBINE CONFERENCE
AND EXHIBIT**
Civic Plaza
Phoenix, Arizona
March 27-31, 1983
Gas Turbine Division
The American Society of
Mechanical Engineers
INTERNATIONAL GAS
TURBINE CENTER
4250 Perimeter Park South, Ste 108
Atlanta, GA. 30341 U.S.A.
Ph: (404) 451-1905 Telex: 804468 ATL

Largest Industry Attendance-Last year saw a new record set for participation with over 5,100 attendees from 39 nations on hand in London to take part in the sessions and visit the exhibits. You should be in Phoenix in 1983 to participate and to learn.

Quality Reputation-Chartered as a Division of The American Society of Mechanical Engineers in 1947, the Gas Turbine Division held its first Conference in 1956. From then until now, it has built a solid reputation as the quality event in its field. An event designed to meet your needs and to fit within your budget.

For more information, send this coupon today:

- Please send me information so we may consider attending the 1983 International Gas Turbine Conference in Phoenix.
- Please contact me. I would like to discuss available exhibit space.

Name: Title:
Company:
Address:
City: State: Zip:
Country:
Phone: Telex: