

Thermofluids Information Guide

Locating Thermofluids related books

The following is a list of key shelf numbers for Thermofluids subject areas. If you are looking for a particular book please check the library catalogue.

Air pollution	614.712	Heat exchangers	621.101
Computational cycle gas turbines	621.312	Heat transfer	621.101
Computational fluid dynamics	532.05	Refrigerants	665.784
Flow measurement	532.57	Thermodynamics	621.101
Fluid mechanics	532	Turbomachinery	621.6

Useful Books

Baker R C, An introductory guide to flow measurement 2002	532.57 BAK
Computational fluid dynamics 2006	532.05 SAE (Oversize)
Dixon S L, Fluid mechanics and thermodynamics of turbomachinery 4 th ed. 1998	621.6 DIX
Heat exchangers and their simulation, thermal management, and fundamental advances in thermal & fluid sciences 2003	621.101 SOC (Oversize)
Horlock J H, Combined power plants: including combined cycle gas turbine (CCGT) plants 2002	621.312
Krause E, Fluid mechanics with problems and solutions and an aerodynamics laboratory 2005	532 KRA
Kuppan T, Heat exchanger design handbook 2000	621.101 KUP
Moran M J and Shapiro H N, Fundamentals of engineering thermodynamics 2004	621.101 MOR
Munson B R et al., Fundamentals of fluid mechanics 2005	532
Nee M J, Heat exchanger design techniques 2003	621.101 NEE
Shah R K and Sekulic D P, Fundamentals of heat exchanger design 2003	621.101 SHA
Sherwin K and Horsley M, Thermofluids 1996	621.101 SHE
Sonntag R E and Borgnakke C, Introduction to engineering thermodynamics 2001	621.101 SON

Oversize shelved on the bottom two shelves

Ebooks

The following electronic books are available on the Knovel database in the Virtual Library.

Dixon S L, Fluid mechanics and thermodynamics of turbomachinery (4 th ed), 1998
Higman C and Van der Burgt M, Gasification, 2003
Mobley R K, Fluid power dynamics, 2000
Walsh P P and Fletcher P, Gas turbine performance (2 nd ed), 2004
Winterbone D E, Advanced thermodynamics for engineers, 1997

Available via the Books24x7 service in the Virtual Library

Fluid flow measurement – a practical guide to accurate flow measurement (2nd ed), Elsevier, 2002
Fluid mechanics, thermodynamics of turbomachinery, (5th ed), Elsevier, 1996
Statistical thermodynamics: fundamentals and applications, Cambridge University Press, 2005

Recent IMechE Thermofluids conferences and seminars

These are shelved alphabetically by year in the Conference/Seminar section of the library.

[Automated design and optimisation techniques using CFD](#), London 28 June 2006
[Computational fluid dynamics validation - how much is enough?](#), London 25 September 2008
[Grand review in the state-of-the-art in the numerical simulation of fluid flow](#), London 30 April 2009
[Pressure release, fires and explosions](#), London, 2 October 2007
[Proceedings of the Institution of Mechanical Engineers, Part A, Journal of Power and Energy](#)
[Micro and nanoscale flows](#), Glasgow 7-8 December 2006

Useful Journals

Please check the library catalogue to see if the library subscribes to your required journal. Current issues of key journals are held on the journal display rack. The back copies of these journals are stored in the basement. Please ask a member of staff if you wish to view any and they will be retrieved for you. This generally takes 10-15 minutes.

ASHRAE journal 1959-
ASME journal of fluids engineering
ASME journal of heat transfer
ASME journal of turbomachinery
Gas turbine world 1996-

Proceedings of the Institution of Mechanical Engineers, Part A, Journal of Power and Energy
JSME international journal series B: fluids and thermal engineering
Proceedings of the institute of refrigerations 1943-
Turbomachinery international 2001-

Useful websites

American Society of Heating Refrigerating and Air Conditioning Engineers
<http://www.ashrae.org>
US professional association

European Committee for the Advancement of Thermal Sciences and Heat Transfer
<http://termserv.casaccia.enea.it/eurotherm>
Promotes European cooperation in thermal sciences and heat transfer

Institution of Refrigeration
<http://www.ior.org.uk>
UK professional institution