

Editor-in-Chief:

M. Deville
EPFL-STI-LIN
Station 9
CH-1015, Lausanne
Switzerland

Associate Editor

J.-J. Chattot
Department of Mechanical &
Aeronautical Engineering
2020 Bainer Hall, UCD
Davis, CA 95616-5294, U.S.A.

Founding Editor:

M. H. Bloom
Polytechnic University
Box 74, 6 Metrotech Center
Brooklyn
NY 11201, U.S.A.

Regional Editors

P. Bontoux

CNRS, IMT la Jetée, MSNM
Technopôle de Château-Gombert
F-13451 Marseille Cedex 20,
France

K. Fujii

Institute of Space and
Astronautical Science (ISAS)
Kanagawa, Japan

Y.-X. Ren

Tsinghua University
Department of Engineering Mechanics
School of Aerospace, Institute of Fluid Mechanics
100084 Beijing, China

T. K. Sengupta

High Performance Computing Laboratory
Department of Aerospace Engineering
I.I.T. Kanpur, Kanpur 208 016, India

Y. I. Shokin

Institute of Computational Technologies
Russian Academy of Sciences
Siberian Branch, Ac. Lavrentjev Ave.
6, 630090 Novosibirsk-90, Russia

T. Tang

Department of Mathematics
Hong Kong Baptist University
Kowloon Tong, Hong Kong

M. F. Tomé

Department of Applied Mathematics and Statistics
Instituto de Ciências Matemáticas e de Computação
Universidade de São Paulo
São Carlos 13560-970
SP, Brazil

Editor for Review Articles

M. Hafez

Mechanical & Aeronautical Engineering
Department
University of California
Davis, CA 95616-5294, U.S.A.

Editorial Advisory Board

R. Abgrall

Mathématiques Appliquées
Université Bordeaux
351, cours de la Libération
F-33405 Talence Cedex
France

T. Aoki

Global Scientific Information and
Computing Center
Tokyo Institute of Technology
2-12-1 Ookayama
Meguro-ku, Tokyo 152-8550, Japan

M. Azaiez

Université de Bordeaux
I2M-IPB-ENSCBP
16, Av. Pey-Berland
33607 Pessac Cedex
France

E. Balaras

Department of Mechanical and
Aerospace Engineering
The George Washington University
Academic Center, 720F
801 22nd Street, NW
Washington, DC 20052, USA

R. Bouffanais

Singapore University of Technology and
Design (SUTD)
20 Dover Drive
Singapore 136882
Singapore

G. G. Chernykh

Institute of Computational Technologies
Siberian Branch of Russian Academy of Sciences
6 Acad. Lavrentjev Ave.
Novosibirsk 630090, Russia

H. Deconinck

Von Karman Institute for Fluid Dynamics (VKI)
Chee du Waterloo 72
1640 Rhode-St-Genese, Belgium

S. C. Dennis

Department of Applied Mathematics
University of Western Ontario
London, Ontario, Canada

S. M. Deshpande

Department of Aerospace Engineering
Indian Institute of Science
Bangalore-560 012, India

R. Friedrich

Lehrstuhl für Fluidmechanik
Technische Universität München
Bolztmannstr 15, 85748 Garching
Germany

P. Givi

Department of Mechanical Engineering
University of Pittsburgh
Pittsburgh, PA 15261, U.S.A.

R. Klein

FB Mathematik & Informatik
Freie Universität Berlin
Arnimallee 6, 14195 Berlin
Germany

A. Kumar

NASA Langley Research Center
Gas Dynamics Division
MS 197, Hampton, VA 23681-2199, U.S.A.

V. Legat

CESAME, Avenue Georges Lemaître, 4
B 1348 Louvain-la-Neuve, Belgium

C. Liang

Department of Mechanical
and Aerospace Engineering
George Washington University
Washington, DC 20052, U.S.A.

K. Matsuno

Department of Mechanical
& System Engineering
Kyoto Institute of Technology
Sakyo-ku, Kyoto 606, Japan

C. Merkle

Purdue University
Department of Aeronautics
and Astronautics, 315N. Grant St.
West Lafayette, IN 47907-2023, U.S.A.

M. Napolitano

Istituto di Macchine ed Energetica
Politecnico di Bari
Via Re David 200, I-70125 Bari, Italy

M. S. Peng

Code 7532
Marine Meteorology Division
Naval Research Laboratory
#7 Grace Hopper Avenue
Monterey, CA 93943, U.S.A.

M. D. Salas

NASA Langley Research Center Mail Stop 254
Hampton, VA 23681-2199, U.S.A.

L. A. Sankar

School of Aerospace Engineering
Georgia Institute of Technology
Atlanta, GA 30332-0150, U.S.A.

F. Sotiropoulos

Department of Civil Engineering
University of Minnesota
Saint Anthony Falls Laboratory
Minneapolis, MN 55414, USA

P. K. Sweby

Department of Mathematics
University of Reading
Whiteknights
P.O. Box 220
Reading RG6 6AX, UK

E. Turkel

Department of Applied Mathematics
Tel Aviv University
Ramat Aviv-Tel Aviv, Israel

R. W. C. P. Verstappen

Department of Mathematics
University of Groningen
P.O. Box 800
9700 AV Groningen, The Netherlands

R. Verzicco

Dipartimento di Ingegneria Meccanica
Università di Roma "Tor Vergata"
Via del Politecnico 1
Roma 00133, Italy

D. L. Whitfield

University of Tennessee Chattanooga
Engineering Computational 2452
615 McCallie Ave., Chattanooga, TN 37403
U.S.A.

R. W. Yeung

Department of Mechanical Engineering
& Ocean Engineering Graduate Group
6135 Etcheverry Hall
University of California
Berkeley, CA 94720-1740, U.S.A.

Publishing Office: Elsevier Ltd., The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, U.K. [Tel. (+44) (0)1865 843730; Fax (+44) (0)1865 843969].

Advertising information: If you are interested in advertising or other commercial opportunities please e-mail Commercialsales@elsevier.com and your enquiry will be passed to the correct person who will respond to you within 48 hours.

Publication Information: *Computers & Fluids* (ISSN 0045-7930). For 2012, volumes 52–69 are scheduled for publication. Subscription prices are available upon request from the Publisher or from the Elsevier Customer Service Department nearest you or from this journal's website (<http://www.elsevier.com/locate/compfluid>). Further information is available on this journal and other Elsevier products through Elsevier's website (<http://www.elsevier.com>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

Funding body agreements and policies: Elsevier has established agreements and developed policies to allow authors whose articles appear in journals published by Elsevier, to comply with potential manuscript archiving requirements as specified as conditions of their grant awards. To learn more about existing agreements and policies please visit <http://www.elsevier.com/fundingbodies>.

Orders, claims, and journal enquiries: please contact the Elsevier Customer Service Department nearest you: **St. Louis:** Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA; phone: (877) 8397126 [toll free within the USA]; (+1) (314) 4478878 [outside the USA]; fax: (+1) (314) 4478077; e-mail: JournalCustomerService-usa@elsevier.com. **Oxford:** Elsevier Customer Service Department, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843434; fax: (+44) (1865) 843970; e-mail: JournalCustomerServiceEMEA@elsevier.com. **Tokyo:** Elsevier Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg, 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: JournalCustomerServiceJapan@elsevier.com. **Singapore:** Elsevier Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 63490222; fax: (+65) 67331510; e-mail: JournalCustomerServiceAPAC@elsevier.com