CURRICULUM VITAE

OF

ROLAND GLOWINSKI

CURRENT AFFILIATION

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DEGREES

Ecole Polytechnique, Paris, France (Mathematics, Physics, Mechanics, Chemistry) **BS**, 1960
Ecole Nationale Supérieure des Télécommunications, Paris, France (Electrical Engineering),
MS, 1963
Université P. & M. Curie, Paris, France, **PhD** in Mathematics, 1970 (Supervisor: J.L. Lions)

POSITIONS

● Visiting Professor, Hong-Kong Baptist University, 2015-present
● Visiting Professor, Institute of Advanced Studies, Hong Kong University of Science and
   Technology, 2008-2015
● Cullen Professor of Mathematics, University of Houston, 1985-present
● Distinguished Emeritus Professor, University Paris-Sorbonne, Paris, France.
● Adjunct Professor of Computational & Applied Mathematics, Rice University, Houston, TX,
   1986-present
● Adjunct Professor of Computational & Applied Mathematics, University of Jyväskylä,
   Finland, 2001-present
● Adjunct Professor of Mathematics, University of Tennessee, Knoxville, TN, 2008-present
● Assistant, Associate, Full and Distinguished Professor of Mathematics, University P. & M.
   Curie, Paris, France, 1970-1998
● Director of the European Center for Research and Advanced Education in Scientific
   Computing (CERFACS), Toulouse, France, 1992-1994
● Department of Mathematics Chairman, University P. & M. Curie, Paris, France, 1981-1985
● Scientific Director, INRIA, France, 1970-1985
● Member of the Scientific Board of Electricité de France (EDF), 1990-1996
● Member of the Scientific Board of the French Institute of Petroleum (IFP), 2005-2014

HONORS & DISTINCTIONS

● Elected Member, French National Academy of Sciences, 2005
● Elected Member, French National Academy of Technology, 2000
● Elected Member, Academia Europaea, 1988
● SIAM Fellow
● Fellow of the AMS
● Laureate of the France-Seymour Cray Prize, 1988
● Laureate of the Grand Prix Marcel Dassault of the French National Academy of Sciences, 1996
● Laureate of the SIAM Theodor Von Kármán Prize, 2004
● CFD Award of the US Association for Computational Mechanics, 2011
● Honorary Doctor, University of Jyväskylä, Finland, 2004
● Honorary Professor, Fudan University, Shanghai, China, 2008
● Fairchild Distinguished Visiting Scientist, California Institute of Technology, Pasadena, CA, Fall 1988-1989 semester
● UK Institute of Mathematics and Applications (IMA) Distinguished 1999 Speaker at Brunel University, Imperial College (London) and Oxford University.
● Invited speaker at the SIAM Annual Meetings 1978 (Madison, WI) and 2004 (Portland, OR)
● Invited speaker at the 2003 Meeting of the European Mathematical Society, Nice.
● Invited speaker at ICM 1983 (Warsaw)(45 mn lecture in the Numerical Analysis and Scientific Computing section)
● Invited speaker at ICIAM 2007 (Zurich)
● Arne Magnus Lectures, Colorado State University, Fort-Collins, 2009
● Chairman of the committee for the selection of the invited speakers in Numerical Analysis and Scientific Computing at the 2002 International Congress of Mathematicians in Beijing.
● Consultant to the Abel Prize and Shaw Prize selection committees.

PUBLICATIONS

About 450 publications and the following books and book size articles

[CV1] GLOWINSKI, R., J.L. LIONS & R. TRÉMOLIÈRES, *Numerical Analysis of Variational Inequalities*, North-Holland, Amsterdam, 1981 (Translated in French and Russian)
[CV 2] FORTIN, M. & R. GLOWINSKI, *Augmented Lagrangian Methods*: *Application to the Numerical Solution of Boundary Value Problems*, North-Holland, Amsterdam, 1983 (Translated in French)
[CV3] GLOWINSKI, R., *Numerical Methods for Nonlinear Variational Problems*, Springer, New York, NY, 1984 (2nd printing: 2008)
[CV4] BLANC, M., D. FONTAINE, R. GLOWINSKI & L. REINHART, *Simulation of Electron Transport in the Earth Magneto-Sphere*, Gordon & Breach, New York, 1987.
[CV 5] GLOWINSKI, R. & P. LE TALLEC, *Augmented Lagrangians and Operator Splitting Methods in Nonlinear Mechanics*, SIAM, Philadelphia, PA, 1989
[CV6] GLOWINSKI, R., Finite element methods for incompressible viscous flow. In *Handbook*

of Numerical Analysis, **Vol. IX**, P.G. Ciarlet & J.L. Lions, eds., North-Holland, Amsterdam, 2003, pages 3-1176

[CV7] GLOWINSKI, R., J.L. LIONS & J.W. HE, *Exact and Approximate Controllability for Distributed Parameter Systems: A Numerical Approach*, Cambridge University Press, Cambridge, UK, 2008

[CV8] GLOWINSKI, R. & A. WACHS, On the numerical simulation of visco-plastic fluid flow. In *Handbook of Numerical Analysis*, **Vol. XVI**, P.G. Ciarlet, R. Glowinski & J. Xu, eds., North-Holland, Amsterdam, 2011, pages 483-717

[CV8]GLOWINSKI, R., *Variational Methods for the Numerical Solution of Nonlinear Elliptic Problems*, SIAM, Philadelphia, PA, 2015