CURRICULUM VITAE



Personal Data

Name:	**Prof. Dr. Hoang Xuan Phu**
Gender:	Male
Date of birth:	20th July 1956
Place of birth:	Nghe An, Vietnam
Nationality:	Vietnamese

Affiliation

Institute of Mathematics
Vietnam Academy of Science and Technology (VAST)
18 Hoang Quoc Viet, Hanoi, Vietnam
E-mail: hxphu@math.ac.vn
Homepage: https://math.ac.vn/staff/hoang-xuan-phu

Education

Degree	*Major field*	*Years attended*
Diploma (Diplom-Mathematiker) Leipzig University Supervisors: Prof. Dr. Dr. h. c. Eberhard Zeidler and Doz. Dr. Günther Deweß	Mathematics	1975 - 1979
Ph.D. (Dr. rer. nat.) Leipzig University Supervisor: Prof. Dr. Rolf Klötzler	Optimization	1981 - 1983
Habilitation (Dr. sc. nat.) Leipzig University Supervisor: Prof. Dr. Rolf Klötzler	Optimization	1985 - 1987

Scientific Employment & Academic Responsibility

Institution	*Academic responsibility*	*Period of duty*
Institute of Mathematics, Vietnam Academy of Science and Technology	Researcher	1984 - 1991
Institute of Mathematics, Vietnam Academy of Science and Technology	Associate Professor	1992 - 1995
Institute of Mathematics, Vietnam Academy of Science and Technology	Full Professor	since 1996

Some Scientific Functions

Chair of the Scientific Commision of the Institute of Mathematics, Vietnam Academy of Science and Technology	2007 - 2012
Ambassador Scientist (Vertrauenswissenschaftler) of the Alexander von Humboldt Foundation, Germany	2010 - 2016
Asian Member of the Commission for Developing Countries (CDC) of the International Mathematical Union (IMU)	2011 - 2014
Member of the CDC-Grant Selection Committee (CDC-GSC)	2011 - 2014

Fields of Interest

Functional Analysis

Numerical Analysis

Optimization and Optimal Control

Rough Analysis

Applications: Inventory Problems, Optimal Control of Hydroelectric Power Plants and Reservoirs, Robotics, Open Channel Hydraulics, etc.

Fellowships

Research fellowship of the Alexander von Humboldt Foundation

Hosts:

Prof. Dr. Dr. h. c. mult. Roland Bulirsch, Technical University Munich	Jan.-Dec. 1989
Prof. Dr. Dr. h. c. mult. Karl-Heinz Hoffmann and Prof. Dr. Dr. h. c. mult. Hans Georg Bock, University of Augsburg	Jul.-Dec. 1990
Prof. Dr. Dr. h. c. mult. Hans Georg Bock, Heidelberg University	Aug.-Sep. 2012
Regular Associate of the Abdus Salam International Centre for Theoretical Physics, Trieste	1999 – 2005

Member of Academies

Heidelberg Academy of Sciences and Humanities (Heidelberger Akademie der Wissenschaften)	Elected 2004
Bavarian Academy of Sciences and Humanities (Bayerische Akademie der Wissenschaften)	Elected 2010
TWAS, The World Academy of Sciences – *for the advancement of science in developing countries*	Elected 2013
acatech - National Academy of Science and Engineering, Germany (Deutsche Akademie der Technikwissenschaften)	Elected 2019
European Academy of Sciences	Elected 2025
Academia Europaea	Elected 2026

Further Honors

Romberg Visiting Professor, Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences, Heidelberg University	2008
Member of the IMU Circle	since 2014

Editorial Boards

Member of the Editorial Board of *Acta Mathematica Vietnamica*	1996 - 1999
Associate Editor of the *East Asian Journal on Applied Mathematics* (Global Science Press)	2011 - 2017
Deputy Editor-in-Chief of the *Vietnam Journal of Mathematics*	1998 - 2011

Editor-in-Chief of *Vietnam Journal of Mathematics* (Springer)	2011 - 2022
Honorary Editor-in-Chief of *Vietnam Journal of Mathematics* (Springer)	since 2023
Associate Editor of *Mathematische Nachrichten* (Wiley)	since 2011
Member of the Editorial Board of *Optimization* (Taylor & Francis)	since 2016
Member of the Editorial Board of *Numerical Functional Analysis and Optimization* (Taylor & Francis)	since 2017
Associate Editor of *Journal of Industrial and Management Optimization* (American Institute of Mathematical Sciences)	since 2017
Associate Editor of *Journal of Optimization Theory and Applications* (Springer)	since 2021
Associate Editor of *Computational Management Science* (Springer)	since 2022

Universities and Institutions Visited

Academy of Mathematics and Systems Science, Chinese Academy of Sciences
Berlin-Brandenburg Academy of Sciences and Humanities
Brandenburg University of Technology Cottbus-Senftenberg
Center of Advanced European Studies and Research (caesar), Bonn
Chemnitz University of Technology
Chulalongkorn University, Bangkok
DFG Research Center MATHEON, Berlin
Facultés Universitaires de Namur
Graz University of Technology
Heidelberg University
Johannes Kepler University of Linz
Julius-Maximilians-Universität Würzburg
Leipzig University
Martin Luther University Halle-Wittenberg
Mathematisches Forschungsinstitut Oberwolfach
Max Planck Institute for Mathematics in the Sciences, Leipzig
Osaka Metropolitan University
Peking University
Pukyong National University, Pusan, Korea
Swiss Federal Institute of Technology Zurich (ETH Zurich)
Technical University of Munich
Technische Universität Berlin
Technische Universität Darmstadt
Technische Universität Ilmenau
Technische Universität Wien
The Abdus Salam International Centre for Theoretical Physics, Trieste
Trier University
Universität Hamburg
Universität Karlsruhe
University of Augsburg
University of Bayreuth
University of Duisburg-Essen
University of Freiburg

University of Giessen
University of London
University of Warsaw
University of Zurich
Zuse Institute Berlin (ZIB)

Some Organized Conferences

Series "International Conference on High Performance Scientific Computing"

- 1st International Conference on High Performance Scientific Computing, Hanoi, March 27-31, 2000
- 2nd International Conference on High Performance Scientific Computing, Hanoi, March 10-14, 2003
- 3rd International Conference on High Performance Scientific Computing, Hanoi, March 6-10, 2006
- 4th International Conference on High Performance Scientific Computing, Hanoi, March 2-6, 2009
- 5th International Conference on High Performance Scientific Computing, Hanoi, March 5-9, 2012
- 6th International Conference on High Performance Scientific Computing, Hanoi, March 16-20, 2015
- 7th International Conference on High Performance Scientific Computing, Hanoi, March 19-23, 2018

Series "Workshop on Optimization and Scientific Computing"

- 1st Workshop on Optimization and Scientific Computing, Hanoi, July 14-18, 2003
- 2nd Workshop on Optimization and Scientific Computing, Hanoi, May 5-9, 2004
- 3rd Workshop on Optimization and Scientific Computing, Hanoi, April 20-24, 2005
- 4th Workshop on Optimization and Scientific Computing, Ba Vi, April 26-29, 2006
- 5th Workshop on Optimization and Scientific Computing, Ba Vi, May 16-19, 2007
- 6th Workshop on Optimization and Scientific Computing, Ba Vi, April 23-26, 2008
- 7th Workshop on Optimization and Scientific Computing, Ba Vi, April 22-25, 2009
- 8th Workshop on Optimization and Scientific Computing, Ba Vi, April 20-23, 2010
- 9th Workshop on Optimization and Scientific Computing, Ba Vi, April 20-23, 2011
- 10th Workshop on Optimization and Scientific Computing, Ba Vi, April 18-21, 2012
- 11th Workshop on Optimization and Scientific Computing, Ba Vi, April 24-27, 2013
- 12th Workshop on Optimization and Scientific Computing, Ba Vi, April 23-25, 2014
- 13th Workshop on Optimization and Scientific Computing, Ba Vi, April 23-25, 2015
- 14th Workshop on Optimization and Scientific Computing, Ba Vi, April 21-23, 2016
- 15th Workshop on Optimization and Scientific Computing, Ba Vi, April 20-22, 2017
- 16th Workshop on Optimization and Scientific Computing, Ba Vi, April 19-21, 2018
- 17th Workshop on Optimization and Scientific Computing, Ba Vi, April 18-20, 2019
- 18th Workshop on Optimization and Scientific Computing, Hoa Lac, August 20-22, 2020
- 19th Workshop on Optimization and Scientific Computing, Ba Vi, April 22-24, 2021
- 20th Workshop on Optimization and Scientific Computing, Ba Vi, April 21-23, 2022
- 21st Workshop on Optimization and Scientific Computing, Ba Vi, April 20-22, 2023
- 22nd Workshop on Optimization and Scientific Computing, Ba Vi, April 25-27, 2024
- 23rd Workshop on Optimization and Scientific Computing, Ba Vi, April 24-26, 2025
- 24th Workshop on Optimization and Scientific Computing, Ba Vi, April 23-25, 2026
- 25th Workshop on Optimization and Scientific Computing, Ba Vi, April 22-24, 2027

Some other workshops

- Symposium on Problems in Scientific Computing, Hanoi, March 18-20, 1998
- Spring School Practice of Scientific Computing: Process Optimization, Hanoi, March 1-13, 1999
- School on Parallel Computing, Ho Chi Minh City, March 12-14, 2001
- School on Scientific Computing and Applications, Ho Chi Minh City, March 4-6, 2002
- School on Computational Sciences and Engineering: Theory and Applications, Ho Chi Minh City, March 3-5, 2004
- School on Computational Sciences and Engineering: Theory and Applications, Ho Chi Minh City, March 2-4, 2005
- International Workshop on Advanced Computing and Applications, Ho Chi Minh City, March 14-16, 2007
- International Workshop on Advanced Computing and Applications, Ho Chi Minh City, March 12-14, 2008
- International Conference on Advanced Computing and Applications, Ho Chi Minh City, March 3-5, 2010