

# CURRICULUM VITAE



## Personal Data

Name: **Prof. Dr. Hoang Xuan Phu**  
Date of birth: 20<sup>th</sup> July 1956  
Place of birth: Nghe An, Vietnam  
Nationality: Vietnamese  
Family status: Married since 1980  
Mother tongue: Vietnamese  
Foreign languages: English, German

## Affiliation

[Vietnam Academy of Science and Technology \(VAST\)](#)  
[Institute of Mathematics](#)  
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## Education

<i>Degree</i>	<i>Major field</i>	<i>Years attended</i>
Diploma (Diplom-Mathematiker) <a href="#">University of Leipzig</a> Supervisors: Prof. Dr. Dr. h. c. Eberhard Zeidler and Doz. Dr. Günther Deweß	Mathematics	1975 - 1979
Ph.D. (Dr. rer. nat.) <a href="#">University of Leipzig</a> Supervisor: Prof. Dr. Rolf Klötzler	Optimization	1981 - 1983
Habilitation (Dr. sc. nat.) <a href="#">University of Leipzig</a> Supervisor: Prof. Dr. Rolf Klötzler	Optimization	1985 - 1987

## Scientific Employment & Academic Responsibility

<i>Institution</i>	<i>Academic responsibility</i>	<i>Period of duty</i>
<a href="#">Institute of Mathematics, Vietnam Academy of Science and Technology</a>	Researcher	1984 - 1991
<a href="#">Institute of Mathematics, Vietnam Academy of Science and Technology</a>	Associate Professor	1992 - 1995
<a href="#">Institute of Mathematics, Vietnam Academy of Science and Technology</a>	Full Professor	since 1996

## Some Scientific Functions

Chair of the Scientific Commission of the <a href="#">Institute of Mathematics, Vietnam Academy of Science and Technology</a>	2007 - 2012
<a href="#">Ambassador Scientist (Vertrauenswissenschaftler)</a> of the <a href="#">Alexander von Humboldt Foundation</a> , Germany	2010 - 2016
<a href="#">Member of the Commission for Developing Countries</a> of the <a href="#">International Mathematical Union (IMU)</a>	2011 - 2014

## Fields of Interest

Functional Analysis  
Numerical Analysis  
Optimization and Optimal Control  
Rough Analysis  
Applications: Inventory Problems, Reservoir Control, Robotics, Open Channel Hydraulics...

## Fellowships

Research fellowship of the <a href="#">Alexander von Humboldt Foundation</a>	
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, University of Heidelberg	Aug.-Sep. 2012
Regular Associate of <a href="#">the Abdus Salam International Centre for Theoretical Physics</a> , Trieste	1999 – 2005

## Honors

<a href="#">Corresponding Member</a> of the <a href="#">Heidelberg Academy of Sciences and Humanities (Heidelberger Akademie der Wissenschaften)</a>	since Aug. 2004
Werner Romberg Distinguished Guest Professor, <a href="#">Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences</a> , University of Heidelberg	2008
<a href="#">Corresponding Member</a> of the <a href="#">Bavarian Academy of Sciences and Humanities (Bayerische Akademie der Wissenschaften)</a>	since Feb. 2010
<a href="#">Fellow</a> of TWAS, <a href="#">The World Academy of Sciences – for the advancement of science in developing countries</a>	since Oct. 2013

## Editorship

Member of the Editorial Board of <i>Acta Mathematica Vietnamica</i>	1996 - 1999
Deputy Editor-in-Chief of the <i>Vietnam Journal of Mathematics (VJM)</i>	1998 – July 2011
Member of the Editorial Board of the <i>Vietnam Journal of Mathematical Applications</i>	since 2003
Associate Editor of <i>Mathematische Nachrichten</i>	since 2011
Associate Editor of the <i>East Asian Journal on Applied Mathematics (EAJAM)</i>	since 2011
Editor-in-Chief of the <i>Vietnam Journal of Mathematics (VJM)</i>	since Aug. 2011

## Universities and Institutions Visited

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

## Some Organized Conferences

Series “International Conference on High Performance Scientific Computing”

- [1<sup>st</sup> International Conference on High Performance Scientific Computing, Hanoi, March 27-31, 2000](#)
- [2<sup>nd</sup> International Conference on High Performance Scientific Computing, Hanoi, March 10-14, 2003](#)
- [3<sup>rd</sup> International Conference on High Performance Scientific Computing, Hanoi, March 6-10, 2006](#)
- [4<sup>th</sup> International Conference on High Performance Scientific Computing, Hanoi, March 2-6, 2009](#)
- [5<sup>th</sup> International Conference on High Performance Scientific Computing, Hanoi, March 5-9, 2012](#)

Series “Workshop on Optimization and Scientific Computing”

- [1<sup>st</sup> Workshop on Optimization and Scientific Computing, Hanoi, July 14-18, 2003](#)
- [2<sup>nd</sup> Workshop on Optimization and Scientific Computing, Hanoi, May 5-9, 2004](#)

- 3<sup>rd</sup> Workshop on Optimization and Scientific Computing, Hanoi, April 20-24, 2005
- 4<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, April 26-29, 2006
- 5<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, May 16-19, 2007
- 6<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, April 23-26, 2008
- 7<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, April 22-25, 2009
- 8<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, April 20-23, 2010
- 9<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, April 20-23, 2011
- 10<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, April 18-21, 2012
- 11<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, April 24-27, 2013
- 12<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, April 23-25, 2014
- 13<sup>th</sup> Workshop on Optimization and Scientific Computing, Ba Vi, April 23-25, 2015

#### 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