

CURRICULUM VITAE

DO QUANG HUY

Zimmer 43504, Filderbahnplatz 31, 70567 Stuttgart, Germany

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RESEARCH AREAS

- Structural Mechanics
- Material Modeling
- Finite Element Method
- Computer Aided Engineering

2003 to 8/2007 Lecturer in the Applied Informatics Center at Hanoi Architectural University in Vietnam

Main Responsibilities

- Teaching computer aided design applied in civil engineering.

I introduce structural mechanics, implement the direct stiffness method for truss problem. In approach the finite element method of structures, I detail to them some typical structure components such as rod, beam, and 2D plane stress elements. Then I equip students with application of structural analysis software programs and develop their competence in using of such programs.

- Guiding the Hanoi Architectural University's selected team participating the National Student Olympiad in Informatics

Besides, I am a coach for Hanoi Architectural University's selected team participating in the National Student Olympiad of Informatics. I select outstanding students to build a group of 6, and then prepare them for the Olympiad competition. I give chosen students the lectures for programming skills, classic algorithm in discrete mathematics such as sorting data, theory of graph, optimization problems

2002 to 2004 Collaborator to the Construction Informatics Corporation, Vietnam

Main Responsibilities

I work as a software developer for analysis and design of structures following the Vietnamese standards

2000 to 2002 Structural Engineer in the Construction Consultancy Company at Hanoi Architectural University, Vietnam

Main Responsibilities

I do the structural analysis for concrete and steel building then use AutoCAD software to plot blue prints.

ACADEMIC QUALIFICATIONS

10/2007 to Date Master Student in University Stuttgart, Germany (program MSc COMMAS, Computational Mechanics of Materials and Structures)

Results in the first semester (German scale)

Module	Course name		<i>SWS</i>	Mark
A	C1	Continuum Mechanics	3	3.7
	C2	Computational Mechanics of Materials	3	1.7
B	C3	Structural Dynamics and Optimization	3	3.7
	C4	Computational Mechanics of Structures	3	2.0
C	C5	Discretization Methods	2	3.0
	C6	Software Development / Numerical Programming I	2	1.3
D	C7	Engineering Materials	2	2.7
	C8	Advanced Materials and Smart Structures	2	3.7

Results in the second semester

Module	Course name		<i>SWS</i>	Mark
A				
	E2	Micromechanics of Materials and Homogenization Methods	3	
B		Shell Structures	3	
	E4	Advanced Computational Mechanics of Structures	3	2.0
C		Numerical Algorithms for Differential Equations	4	
		Light weight Structures	2	
D	E7-2	Engineering Materials - Concrete	2	
		Vibrations	3	

*Note: ECTS-Credits, Number of "European Credit Transfer System" credit points. Generally, 2 *SWS* at University Stuttgart correspond to 3 credits in the ECTS.

- Bachelor's degree: Computer Science engineering, Hanoi University of Technology (2001-2004), Vietnam

Thesis: The modeling the Fiber distributed data interface (FDDI) which provides a standard for data transmission in a local area network

- Bachelor's degree: Civil engineering, Hanoi Architectural University, (1996-2001), Vietnam

Thesis: Designing the Kim Dong Publishing Building

- Baccalaureate certificate, high school for Gifted pupils in Mathematics under the Vietnam National University, Hanoi (1993-1996)

LANGUAGE

1. Vietnamese, mother tongue.
2. English, Toefl score: 540.
3. German: Basic.

PUBLICATIONS

- "Integrated analysis and design of slab systems"- Reference Books, published by Hanoi Architectural University, Research Department – 2006.
- "Finite element method applied in the stability and vibration puzzles of frame systems " – Collection of Student's Research, published by Hanoi Architectural University, Research Department – 2001
- "Reinforcing construction projects" - Collection of Student's Research, published by Hanoi Architectural University, Research Department – 2000.

DISTINCTIONS & HONORS

- Prize for young coach in the National Olympiad of Informatics for University Student - 2006
- Second prize in Technical Creation Award 2001 held by the Vietnam Fund for Technical Creation (VIFOTEC)
- Second prize in the National Scientific Research Competition for University Students-2001
- Certificate of Merit for outstanding students awarded by the Ho Chi Minh Youth Union - 2001
- January Star, the title for Hanoi Architectural University's best student of the year – 1999
- Second prize in the Theoretical Mechanics Competition for Hanoi Architectural University students – 1998
- Third prize in the Software Development Competition for Hanoi Architectural University students - 1998
- Consolation prize in the Festival for Hanoi Student's Informatics Olympiad winners (among the most talented in informatics, who had achieved the honorable prizes in National and International Informatics Olympiad) - 1998
- First prize in the National Olympiad of Informatics for University Students - 1997
- Consolation prize in the National Competition of Mathematics for 9th form pupils - 1993
- Second prize in Ha Tay Provincial Competition of Mathematics for 7th form pupils – 1991
- First prize in Ha Tay Provincial Competition of Mathematics for 6th form pupils – 1990

REFERENCES

1. Prof. Dr. Do Dinh Duc

Vice Rector of Hanoi Architectural University, Vietnam

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