

CURRICULUM VITAE



1. NAME:

Luong Dung NGUYEN

Nationality: German (Origin: Vietnamese)

Date of birth: 23rd March 1948

Personal address: 149/33 C1 Banh Van Tran Street, P.7, District Tan Binh,
HoChiMinh City, Vietnam

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2. ACADEMIC RANK AND CURRENT EMPLOYER:

Current employer: HoChiMinh City University of Technology,
Vietnam National University in HoChiMinh City

Address: Centre of Computational Mechanics
268 Ly Thuong Kiet Street, District 10,
HoChiMinh City, Vietnam

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Rank: Associate Professor for Mechanics

3. AREAS OF SPECIALISATION:

Plasticity and Fracture Mechanics; Applied Mechanics
Finite Element Method

4. DEGREES:

Diplom-Ingenieur: Aeronautical Engineering 1973, University of Stuttgart,
Germany

Doktor-Ingenieur: Mechanics 1981, University of Hannover, Germany

5. CAREER:

1975-1977: Research assistant, Institute of Statics and Dynamics, University
of Stuttgart, Germany

1977-1984: Research Associate, Institute of Mechanics B, University of
Hannover, Germany

1982-1983: Postdoctoral Fellow, Dept. Mechanical Engineering, McMaster
Uni-versity, Hamilton, Ontario, Canada

1984-1989: Senior Research Associate, Division of Marine Technique-
Mechanics, Technical University of Hamburg-Harburg, Germany

1990-1992: Fellowship for Habilitation in Mechanics, Technical University of
Hamburg-Harburg, Germany

1989-1990 and 1992-1997: Visiting Professor for Mechanics by order of German Academic Exchange Service (DAAD), HoChiMinh City University of Technology, Vietnam

1992-2003: Head of Centre of Computational Mechanics, HoChiMinh City University of Technology, Vietnam

Since 2002: Associate Professor for Mechanics, Dept. Applied Sciences, HoChiMinh City University of Technology, Vietnam

2004-2008: Secretary of Scientific-Technological Board, Saigon High-Tech Park, HoChiMinh City, Vietnam

6. PRINCIPAL RESEARCH PROJECTS:

- Simulation of Metal Forming Processes with Finite Element Method
- Analysis of Void Growth and Ductile Fracture in Plastically Deformed Materials
- Analysis of Aircraft Structures

7. OTHER RELATED EXPERIENCE & ACTIVITIES:

- Member of GAMM (Gesellschaft fuer Angewandte Mathematik und Mechanik)
- Honored Member of VDI (German Society for Engineers)
- Member of New York Academy of Sciences
- Member of Vietnam Association of Mechanics
- General Secretary of Overseas Vietnamese Club for Science and Technology in HCM-City since 2006

8. SELECTED MOST IMPORTANT PUBLICATIONS (from ca. 100 papers and lectures):

1. N.L. Dung: Ein Beitrag zur Berechnung instationaerer starr-plastischer Formaenderungen mit einer Finite-Element-Methode, Fortschr.-Ber. VDI Reihe 2 Nr. 46, VDI-Verlag, Duesseldorf, 1981
2. N.L. Dung, O. Mahrenholtz and C. Westerling: Finite Element Modeling of Precise Forming Processes. Technical Paper No. 8305-008, Conf. on "Application of the Numerical Methods to Manufacturing Processes", ASM Metals Congress, Philadelphia, USA, 1983
3. N.L. Dung: Ein Beitrag zur Untersuchung der Rissentstehung in der Kaltmassivumformung metallischer Werkstoffe, Fortschr.-Ber. VDI Reihe 2 Nr. 175, VDI-Verlag, Duesseldorf, 1989
4. N.L. Dung, J. Rammelkamp and O. Mahrenholtz: Erarbeitung von Prozessoren zur Netzgenerierung in der Umformtechnik, VDI Forschungsheft 659 Band 56, 1990
5. N.L. Dung: Plasticity Theory of Ductile Fracture by Void Growth and Coalescence, VDI-Forsch. Ing.-Wes. 58, 1992, pp. 135-140
6. N.L. Dung: Models for Void Growth and Ductile Fracture, Proc. of the 7th International Conf. on Technology of Plasticity, Yokohama, Japan, 2002, Vol. 2, pp. 1603-1608
7. N.L. Dung: Finite Element Method in Mechanics, Vietnam National University in HoChiMinh City, 2003 (in vietnamese)

9. THESIS SUPERVISION:

- Phan Dinh Huan, Ph.D.-Thesis, 1999, HoChiMinh City University of Technology as principal supervisor (Dr. Huan is since 2005 Assoc. Professor and Head of Center for Machine Maintenance at HCM City Univ. of Techn.)

- Truong Tich Thien, Ph.D.-Thesis, 2001, HoChiMinh City University of Technology as principal supervisor (Dr. Thien is since 2004 Head of Division of Mechanics at HCM City Univ. of Techn.)
- Principal supervisor for 4 Master-Theses and many Bachelor-Theses, HoChiMinh City University of Technology

10. **AWARDS:**

- Awarded with the “Ehrenring” (Ring of Honor) of VDI (German Society for Engineers) for outstanding scientific works as young engineer in 1987
- Awarded by the People Committee of HoChiMinh City for outstanding works as Overseas Vietnamese in 2002
- Awarded by the VIETNAMNET Newspaper for outstanding works as Overseas Vietnamese in 2005
- Biographee of “Who’s Who in Science and Engineering” and of “Who’s Who in the World” (Marquis Edition, USA) since 1996

11. **COURSES:**

- Bachelor-Program: Fracture Mechanics, Aircraft Structures
- Master-Program: Fracture Mechanics, Finite Element Method in Mechanics, Plastomechanics