

Curriculum Vitae

Thanh Nhan NGUYEN (PhD)

Year of birth: 1973

Family status: married with 1 child

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AREAS OF EXPERTISE

Economics of Energy and Environment
Energy and Climate Change Policy
Sustainable Energy Development
Thermal Power Project Management

ACADEMIC QUALIFICATIONS

- 10/2007-03/2011: **Doctor of Philosophy** in Economics of Energy and Environment
L'Ecole des Hautes Etudes en Sciences Sociales EHESS/CIREN/CNRS,
France
- 2005-2007: Certifications of programs in 5 academic semesters pursuing **Bachelor of Law**, Ho Chi Minh University of Law, Vietnam
- 2000-2002: **Master of Engineering** in Energy Economics and Planning
Asian Institute of Technology, Thailand
- 1991-1997: **Bachelor of Engineering** in Electronic & Electrical Engineering
HCM City University of Technology, Vietnam

OTHER QUALIFICATIONS

Languages: Native Vietnamese, Fluent English, French (basic)

Programming/modeling experiences: GAMS, CPLEX 12, Visual Basic, EVIEWS, MEDEE, LEAP, AIM, I/O ENERGY, WASP IV, IRP, MUAIR.

WORKING EXPERIENCE

- Oct 2007 – Mar 2011:** **EHESS/CIRED/CNRS, France**
PhD researcher in Economics of Energy and Environment
- Nov 2003 – Jul 2007:** **ELECTRICITY OF VIETNAM (EVN)**
Department of Thermal Power Project Management Board Unit #3, Senior thermal power project expert.
- Nov 2003 – Jul 2005:** **INSTITUTE OF ENERGY OF VIETNAM**
Collaborator as main research associate for the Research Project of Strategies for Promotion of Energy Efficient and Cleaner Technologies in Power Sector in selected Asian countries funded by SIDA.
- Sep 2002- Nov 2003:** **ASIAN INSTITUTE OF TECHNOLOGY (AIT)**
Research Associate in Energy Program of School of Environment, Resources and Development, AIT.
- Jan 2001- Aug 2002:** **ASIAN INSTITUTE OF TECHNOLOGY (AIT)**
Master student. School of Environment, Resources and Development. Field of study: Energy Economics and Planning.
- Sep 1997 – Jan 2001:** **ELECTRICITY OF VIETNAM (EVN)**
Department of Thermal Power Project Management Board Unit #3, Electrical Engineer.

RESEARCH PAPERS

A. Articles in peer-reviewed journals

1. Nhan Thanh Nguyen, Minh Ha-Duong, Sandra Greiner, and Michael Mehling (2010). “The Clean Development Mechanism in Vietnam: Potential and Limitations.” Accepted to be published by Carbon and Climate Law Review.

2. Nhan Thanh Nguyen, Minh Ha-Duong, Thanh C. Tran, Ram M. Shrestha, and Franck Nadaud (2010). "Barriers to the Adoption of Cleaner and Energy Efficient Technologies in Vietnam." *GMSARN International Journal*, 4 (2), June 2010.
3. Nhan Thanh Nguyen, Minh Ha-Duong, Sandra Greiner, and Michael Mehling (2010). "Improving the Clean Development Mechanism post-2012: A Developing Country Perspective." *Carbon and Climate Law Review*, 1 (4):76-85, 2010.
4. Nhan Thanh Nguyen and Minh Ha-Duong (2009). "Economic Potential of Renewable Energy in Vietnam's Power Sector." *Energy Policy*, 37 (5):1601-1613, May 2009.
5. Nhan Thanh Nguyen and Minh Ha-Duong (2008). "CO₂ Emissions Mitigation Potential in Vietnam's Power Sector." In Michael Rodi, editor, *The Paradigm Shift towards Energy Sustainability: Climate Change, Innovation, and the Optimal Instrument Mix*, pages 127-150. Lexxion, 2010. ISBN 978-3-86965-135-4. The best paper prize award of the International Summer Academy "Energy and the Environment", Greifswald, 20 July-8 August 2008.

B. International Conference papers

1. Nhan T. Nguyen and Minh Ha-Duong (2010). "The Potential for Mitigation of CO₂ Emissions in Vietnam's Power Sector." accepted to present at the IAEE's Rio 2010 International conference to be held from 6-9 June 2010.
2. Nhan T. Nguyen, Minh Ha-Duong, Sandra Greiner (2009). "The Clean Development Mechanism in Vietnam: Potential and Limitations." presented at the fourth GMSARN International Conference 2009 "Energy Security and Climate Change: Problems & Issues in GMS" held from 25-27 November 2009 at Ha Long Bay, Vietnam.
3. Nhan T. Nguyen, Minh Ha-Duong, Michael Rodi, Michael Mehling, Thanh C. Tran, Ram M. Shrestha (2009). "Environmental Taxes and Policies in Vietnam: Carbon vs. Energy Tax and Electricity Sector Development." accepted to present at the Annual Global Conference on Environmental Taxation, 23-25 September, 2009 in Lisboa, Portugal.
4. Nhan T. Nguyen, Minh Ha-Duong, Thanh C. Tran, Ram M. Shrestha, Franck Nadaud (2009). "Barriers to the Adoption of Cleaner and Energy Efficient Technologies in

Vietnam”. Paper presented at the 2009 International Energy Workshop, 17-19 June in Venice, Italy, and the 10th IAEE European Conference, 7-10 Sep 2009 in Vienna, Austria, and at the fourth GMSARN International Conference 2009 “Energy Security and Climate Change: Problems & Issues in GMS” held from 25-27 November 2009 at Ha Long Bay, Vietnam.

5. Thanh Nhan Nguyen and Minh Ha-Duong (2008). “CO₂ Emission Mitigation Potential in Vietnam’s Power Sector.” Paper presented at the International Energy Workshop, 30 June – 3 July 2008 in Paris, France, and the Asian IAEE Conference, 5 – 7 November 2008 in Perth, Australia, and the International Conference on "Sustainable Development : Demographic, Energy and Inter-generational Aspects, 28 – 29 November 2008 in Strasbourg, France.
6. Thanh Nhan Nguyen and Minh Ha-Duong (2008). “Economic Potential of Renewable Energy in Vietnam’s Power Sector.” Paper presented at the 31st IAEE International Conference, June 18-20, 2008 in Istanbul, Turkey and the 16th EAERE Annual Conference, 25-28 June 2008 in Gothenburg, Sweden.

C. Book chapters and theses

1. Thanh Nhan Nguyen (2011). “Programming Sustainable Development in a Developing Country: A Social Optimization of the Vietnamese Power Sector”. A dissertation submitted to the school EHES (CIRED/CNRS, France) in fulfilment of the requirements for the degree of Doctor of Philosophy in Economics of Energy and Environment. CIRED achieves.
2. Thanh Nhan Nguyen and Minh Ha-Duong (2008). “CO₂ Emission Mitigation Potential in Vietnam’s Power Sector.” an invited chapter in the book of the 2008 International Summer Academy “The Paradigm Shift towards Energy Sustainability: Climate Change, Innovation and the Optimal Instrument Mix”. ISBN 978-3-86965-135-4, Lexxion Verlag, Berlin, Germany.
3. Vietnamese Chapters in the Dissemination Book of the Asian Regional Research Programme in Energy, Environment and Climate Change-phase III (ARRPEEC-III), published by Asian Institute of Technology, 2006-2007.

4. Thanh Nhan Nguyen (2002). “Electricity Generation Expansion Planning Considering Uncertainty, Financial Decisions and CO₂ Emission Mitigation Targets. A case study of Vietnam”. Master degree thesis published in AIT achieves.

D. Working papers

1. Nhan T. Nguyen (2011). “The Growing Challenges of Sustainable Development for Vietnam’s Power Sector.” Working paper to be submitted to journal.
2. Nhan T. Nguyen and Minh Ha-Duong (2011). “The Relevance of CCS as a Climate Policy Instrument in Vietnam.” Working paper in CIRED achieves.
3. Nhan T. Nguyen and Minh Ha-Duong (2009). “The Potential for Mitigation of CO₂ Emissions in Vietnam’s Power Sector.” Working paper in CIRED achieves and published at DEPOCEN working paper series.
4. Thanh Nhan Nguyen (2004).”The Integration of CO₂ Emission Credits in Long Term Power Development Planning Model.” (Modeling development for ARRPEEC III).
5. Institute of Energy (2004). “Identification of Barriers and Policy and Measures (PAMs) for the Adoption of Clean and Energy Efficient Technologies.” Research Project Report submitted to ARRPEEC III.
6. Institute of Energy (2004). “Identification and Ranking of Barriers to Adoption of Clean and Energy Efficient Technologies in the Power Sector in Vietnam.” Research Project Report submitted to ARRPEEC III.
7. Institute of Energy (2004). “Implications of Carbon & Energy Taxes as Instruments for GHG Reduction in the Power Sector in Vietnam.” Research Project Report submitted to ARRPEEC III.
8. Shrestha M. Ram and Nguyen Thanh Nhan (2003). “The User Manual of the Integrated Resources Planning Model.” Energy Program, Asian Institute of Technology, Bangkok, Thailand.
9. Shrestha M. Ram, Nguyen T. Nhan (2003). “The Integration of Distribution Power Generation (DPG) and Externality Costs into the Long Term Power Development Planning Model.” Modeling development for ARRPEEC II & ARRPEEC III.

SUPERVISING, TEACHING AND EXPERIENCE SHARING

1. Nhan T. Nguyen (2010). “Energy Security and Climate Change in Vietnam” Ho Chi Minh City, August 14th, 2010. Invited speaker to the first ALOV conference. Extract diffused on the Vietnamese Television VTV 4 channel on 2/10/2010.
2. Nhan Thanh Nguyen (2010). “Renewable Energy for Electricity Generation in Vietnam.” Lesson taught at Summer School 2010: economics and natural resource and environment policy, ISPONRE, Hanoi, August 18th, 2010.
3. Nhan Thanh Nguyen (2010). “The Clean Development Mechanism: the Potentials and Barriers for Vietnam.” Lesson taught at Summer School 2010: economics and natural resource and environment policy, ISPONRE, Hanoi, August 18th, 2010.
4. Nhan Thanh Nguyen (2010). “Investment Planning Model.” Lesson taught at Summer School 2010: economics and natural resource and environment policy, ISPONRE, Hanoi, August 18th, 2010.
5. Nhan Thanh Nguyen (2010). “International Climate Policy.” Lesson taught at Summer School 2010: economics and natural resource and environment policy, ISPONRE, Hanoi, August 18th, 2010.
6. Minh Ha-Duong and Nhan Thanh Nguyen (2010). “CO₂ emissions mitigation potential in Vietnam's power sector.” Lesson taught at Summer School 2010: economics and natural resource and environment policy, ISPONRE, Hanoi, August 18th, 2010.
7. Minh Ha-Duong and Nhan Thanh Nguyen (2010). “Carbon capture and storage (CCS).” Lesson taught at Summer School 2010: economics and natural resource and environment policy, ISPONRE, Hanoi, August 18th, 2010.
8. Hoang Anh Nguyen Trinh (2010). “The Future Prospective Evolution of Vietnamese Power Sector: the Vulnerability and Externality Analysis.” Master thesis. Co-supervising work with Minh Ha-Duong for this Master thesis that is performed by Nguyen Trinh in CIRED.

SCHOLARSHIPS AND ACHIEVEMENTS

- + CNRS research grant (3 years) for a *Ph.D program* at EHESS/CIRED/CNRS, France.
- + The best student paper awarded by the 5th *International Summer Academy “Energy and the Environment”* held on 21 July-2 August in Greifswald, Germany.

- + Full sponsorship to participate in the 15th United Nations Climate Change Conference held on 7-18 December 2009 in Copenhagen, Denmark by Foundation Environment Law Society (Förderverein Umwelt Recht Gesellschaft, Greiswald, Germany).
- + One-year-research grant awarded by the Chaire CTSC at l'Ecole des Mines de Paris (France) for a research on “Prospects of Carbon Capture and Storage in Vietnam”.
- + Research fellowship offered by the Institute of Energy of Vietnam for the ARRPEEC III funded by SIDA, 2004-2005.
- + AIT fellowship for the project *Energy, Environment and Climate (phase III) in Power & Transport Sectors in Selected Asian Countries* (ARRPEEC III) funded by SIDA, over 2002-2003.
- + Scholarship of human resource development program from Electricity of Vietnam awarded for a Master degree in *Energy Economics and Planning* at Asian Institute of Technology, August 2002.

REFEREES

1) Minh HA-DUONG - *Directeur de recherche de CNRS.*

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4) Subhes C. BHATTACHARYYA

Associate Professor, Centre for Energy, Petroleum and Mineral Law & Policy (CEPMLP). University of Dundee, Dundee DD1 4HN, Scotland, UK.

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