

CURRICULUM VITAE

1. Biographical

1.1. Name: Hai Thanh Tran

1.2. Sex: Male

1.3. Date of birth: 22nd January 1965

1.4. Place of birth: Ha Tinh, Vietnam

1.5. Nationality: Vietnam

1.6. Name of current employer: Hanoi University of Mining and Geology

1.7. Address: Department of Geology, Hanoi University of Mining and Geology, Hanoi, Vietnam; Phone: 84 4 838 4048, Fax: 84 4 838 9633,
E-mail: tranthanhhai.humg@gmail.com

1.8. Professional:

1987: Engineer in Geology, University of Mining and Geology, Hanoi, Vietnam

1988: Master of Science in Geology, University of Regina, Saskatchewan, Canada

2001: Doctor of Philosophy in Geology, University of Regina, Saskatchewan, Canada

2009: Associate Professor of Geology, University of Mining and Geology, Hanoi, Vietnam

1.9. Principle areas of professional interest

Structural geology and tectonics of orogenic belts

Structural controls on metallic mineral and fossil fuel deposits

Geo-hazard and Environmental Geology

Natural Resources Management

1.10. Present position

- Associate Professor and researcher of Structural Geology, Geology and Natural Resources of Vietnam, and Tectonics.

- Head of the Department of Geology, Hanoi University of Mining and Geology

- Associate Dean of Faculty of Geology, Hanoi University of Mining and Geology

- Director of Centre for Information and Library, Hanoi University of Mining and Geology

1.11. Language proficiency

Vietnamese: mother tongue

English: excellent

2. Employment history

2.1. From April 1988 to September 1989: Junior geologist at the Division for Radioactive and Rare Elements, Geological Survey of Vietnam. Conducting mapping and exploration for uranium deposits in Triassic sandstones, Nong Son basin, central Vietnam.

2.2. From October 1989 to June 1990: Project geologist at the Division of Radioactive and Rare Elements, Geological Survey of Vietnam. Co-leader of a project proposal for exploration of unconformity-type uranium deposits in central Vietnam.

2.3. From June 1990 to January 1993: Project geologist at the Division for Radioactive and Rare Elements, Geological Survey of Vietnam. Co-project leader and chief geologist of an exploration project to evaluate mineral potential of on-shore placer deposits along the central coastline of Vietnam.

- 2.4. From February 1993 to May 1994: Project geologist at the Division for Radioactive and Rare Elements, Geological Survey of Vietnam, co-leader of a project to evaluate uranium and rare-earth potential of some metallogenic provinces in central Vietnam.
- 2.5. From June 1994 to October 1994: Fellow of the International Atomic Energy Agency (IAEA) attending a training program on 'Uranium Exploration and Environment' at the University of Regina, Canada, organized by IAEA and sponsored by the United Nation.
- 2.6. From October 1994 to May 1995: Senior geologist at the Technical and Scientific Department and assistant to Head of the Division of Radioactive and Rare Elements, Geological Survey of Vietnam.
- 2.7. From June 1996 to December 1997: M.Sc candidate, Faculty of Graduate Study and Researches, University of Regina, Saskatchewan, Canada.
- 2.8. From January 1998 to July 2001: Ph.D. candidate, Faculty of Graduate Study and Researches, University of Regina and College of Sciences, University of Saskatchewan, Saskatchewan, Canada.
- 2.9. From October to September 2001: Senior geologist at the Technical and Scientific Department, Radioactive and Rare Elements Division, Department of Geology and Minerals of Vietnam.
- 2.10. From January 2002 to present: Lecturer, Faculty of Geology, Hanoi University of Mining and Geology, Hanoi, Vietnam.

3. Awards

- 3.1. Diploma of Merits for outstanding achievement from Ho Chi Minh Youth Union of Tu Liem District, city of Hanoi, in 1990 and 1991.
- 3.2. Diploma of Merits for outstanding achievement from Ho Chi Minh Youth Union of Tu Liem District, city of Hanoi, in 1992.
- 3.3. Co-receiver of a Grand Award for outstanding project management and best project report of the Geological Survey of Vietnam, in 1992.
- 3.4. Fuzesy Award of the Saskatchewan Geological Society for best poster presentation at the Saskatchewan Open House 1996, Saskatoon, Saskatchewan, November, 1996.
- 3.5. Full funding for the Ph.D. program by NSERC, Cameco Corporation, COGEMA Resources Ltd., PNC Exploration Ltd., and Saskatchewan Geological Survey from 1998 to 2001.
- 3.6. Award for Best Poster Presentation on Precambrian Research of the Precambrian Division, Geological Association of Canada at the Geological Association of Canada-Mineralogical Association of Canada Annual Meeting 2001, St. John's, Newfoundland, May 2001.
- 3.7. Australian Leadership Awards Fellowships for 2008-2009 of Australian Scholarships Group, Australian Agency for International Development (AusAID).

4. Work experience

4.1. Research experience

1. June 1996 to September 1996: Mapping and structural interpretation of Burntwood Group, Pelican Narrows area, northern Saskatchewan as part of M.Sc program at the University of Regina.
2. Fall 1996: Conducting geochemical analysis using a Rigaku 3070 Automatic X-ray Fluorescence (XRF) Spectrometer at the Department of Geology, University of Regina under the supervision of Dr. B. Watters.

3. June 1997 to September 1997: Mapping and structural interpretation of Wollaston Group, Burbidge Lake area, Cree Lake Zone, northern Saskatchewan as part of Ph.D. program at the University of Regina.
4. June 1998 to September 1998: Mapping and structural interpretation of Wollaston Group, Daly-Suttle Lakes area, Cree Lake Zone, northern Saskatchewan as part of Ph.D. program at the University of Regina.
5. Fall and Winter 1998: Visiting student at the Department of Geological Sciences, University of Saskatchewan, conducting: 1) detrital zircon analysis of Wollaston Group by single zircon lead-evaporation technique using a Finnigan MAT 261 Multi-collector Mass Spectrometer under the supervision of Dr. K. Ansdell; and 2) Quantitative mineral analysis using a JXA-8600 Superprobe.
6. June 1999 to September 1999: Mapping and structural interpretation of Wollaston Group, McKenzie Falls, Cup-Keller-Schmitz Lakes and Lower Foster Lake areas, Cree Lake Zone, northern Saskatchewan as part of Ph.D. program at the University of Regina.
7. May 2000: Visiting student at the Department of Geological Sciences, University of Saskatchewan, conducting whole-rock Sm-Nd isotopic analysis of the Wollaston Group using a Finnigan MAT 261 Multi-collector Mass Spectrometer under the supervision of Dr. Ansdell.
8. October 2001 to December 2004: Senior consulting geologist for Tiberon Minerals Ltd for structural interpretation of Nui Phao Polymetallic Project, Thai Nguyen province, Vietnam.
9. May 2002 to December 2004: Senior technical advisor for Intergeo Division, Department of Geology and Minerals of Vietnam on 1:50.000 scale geological mapping and structural interpretation of Dien Bien map sheets, Northwest Vietnam
10. December 2002-December 2005: Senior consulting geologist for Anvil NL Mining Ltd for mapping and structural interpretation of Duc Bo Cu-Pb-Zn Project, central Vietnam.
11. 2003: Leader of project on “Study of deformational styles and tectonic regime of geological entities in Lai Chau area on the basis of plate tectonic principles”, a ministerial-level scientific project sponsored by the Ministry of Education and Training, Government of Vietnam.
12. 2002-2006: participated as trainee and co-trainer of the INWENT (Germany) Regional program on ‘Integrated Coastal Zone Management’ training program of Vietnam-Indonesia-Phillipines.
13. 2003-2004: Project leader of a project for Tiberon Minerals Ltd. On ‘Environmental impact assessment of pre-existing environment for feasibility study of Nui Phao Polymetallic Project’, Thai Nguyen Province.
14. May 2003 to 2008: Senior technical advisor for Northern Geological Mapping Division, Department of Geology and Minerals of Vietnam on 1:50.000 scale mapping and structural interpretation of Trung Khanh, Bac Kan, Lang Son, and Ha Quang map sheets, Northeast Vietnam.
15. 2004-2005: Leader of project on “Geo-structural investigation along Da River, section Lai Chau-Son La”, a 2-year, national-level basic scientific project sponsored by the Ministry of Science and Technology, Government of Vietnam.
16. 2004-2007: Secretary of project on “Geology and metallogeny of northeastern Vietnam and southeastern China”, Vietnam-China intergovernmental scientific project sponsored by the governments of Vietnam and China.

17. September to October 2005: Senior Geological Consultant for Amanta Resources Ltd., conducting preliminary structural interpretation of Langu Au-Stipnite Project, Saturn province, Thailand.
18. 2006-2008: Leader of project on “The existence, nature, and role of Song Ma Suture Zone in the tectonic framework of Northwest Vietnam”, a 2-year, national-level basic scientific project sponsored by the Ministry of Science and Technology, Government of Vietnam.
19. Match to December, 2006: Senior Geological Consultant for Ban Phuc Nickel Mines Ltd to conduct structural interpretation of Ban Phuc Nickel Mine, Northwest Vietnam.
20. June to September 2006: Senior geological consultant for Forum Uranium Corporation to conduct structural interpretation of Key Lake Road Property Project, Saskatchewan, Canada.
21. March to June 2006: Senior geological consultant for Archipelago Resources PLC (VN) to conduct geological assessment of gold-bearing potential areas in northern Vietnam.
22. December 2006- March 2007. Senior geological consultant for Hong Quang Group (VN) to conduct geological assessment of gold potential in Sanakham District, Viengchane, Laos PDR.
23. April 2007. Senior geological consultant for DMC (VN) to conduct geological assessment of barite potential areas in Sam Nua, Laos PDR.
24. June to September 2007: Senior geological consultant for Forum Uranium Corporation to conduct geological assessment of Key Lake Road Property (Saskatchewan) and Siqiniq Property (Nunavut) projects, Canada.
25. December, 2007 to June, 2008: Senior geological consultant for Archipelago Resources PLC (VN) to conduct structural interpretation and environmental assessment of Pac Lang Gold Project, Bac Kan province, Vietnam.
26. 2007-2008: Senior member of Ministerial project on geo-hazard and environmental assessment of northwestern Hanoi area.
27. 2007-2011: member (Vietnam partner) of the project on ‘Tectonics and Metallogeny of Southeast Asia’ led by Dr. Khin Zaw, CODES Centre of Excellence in Ore Deposits, University of Tasmania, Australia.
28. June to September 2008: Senior geological consultant for Forum Uranium Corporation to conduct geological assessment of Siqiniq Property Project (Nunavut), Canada.
29. March – June 2008. Leader of sub-project on ‘Assessment of status and management issues of mineral resources of the Day/Nhue river sub-basin and their environmental impact’ as part of ADB (Asian Development Bank) funded Project TA – 3892 (VIE): Ambient Water Quality (AWQ) management in the Day River Basin; Department of Water Resources Management of Vietnam
30. November 2008-March 2009: Senior geological consultant for Batu Petro (PetroVietnam) to conduct structural interpretation of oil-potential assessment of west central Iran.
31. November 2008-April 2009: Senior geological consultant for Green Indochina Corp. (VN) to conduct geological assessment of Cu-Au potential areas in Attapue Province, Laos PDR.
32. June 2008 to December 2011: Research associate for the project: Tectonics and Metallogeny of Southeast Asia with the Centre of Excellence in Ore Deposits, University of Tasmania, Australia.

33. September, 2008 to August 2011: Senior geological consultant for Archipelago Resources PLC (VN) to conduct geological and pre-existing environmental assessment of Pac Lang Gold Project, Bac Kan province, Vietnam.
34. November 2010-March 2011: Senior geological consultant for Mekong Co. (PetroVietnam) to conduct geological and structural interpretation for oil potential assessment of Block !4-1, onshore Cambodia.
35. November 2009-2011: Senior geological consultant for Amanta Resources Ltd for geological and structural interpretation of Muang Long Property, Luang Namtha Province, Laos PDR.
36. 2009-2013, leader of project on 'Nature of Suture zones in Northern Vietnam' supported by National Foundation for Science and Technology Development of Vietnam (NAFOSTED), Project No. 105.06.70.09.
37. August 2012. Coconvener of Session SE83 'Tectonics and Metallogeny of Eastern Tethyan Region of AOGS 2012, August 13-17, 2012, Singapore.
38. 2012-present, member (Vietnam partner) of project on 'Mineral Deposits of Southeast Asia' led by Dr. Khin Zaw, CODES Centre of Excellence in Ore Deposits, University of Tasmania, Australia.

4.2. Teaching experience

1. Fall 1995: teaching assistant: GEOL250 (Structural Geology I), Department of Geology, University of Regina, Saskatchewan, Canada.
2. Winter 1996: teaching assistant: GEOL350 (Structural Geology II), Department of Geology, University of Regina, Saskatchewan, Canada.
3. Fall 1996: teaching assistant: GEOL250 (Structural Geology I), Department of Geology, University of Regina, Saskatchewan, Canada.
4. Winter 1997: teaching assistant: GEOL350 (Structural Geology II), Department of Geology, University of Regina, Saskatchewan, Canada.
5. From 2002 to present: lecturer on structural geology and tectonics (and partly general geology) at the Faculty of Geology, Hanoi University of Mining and Geology.
6. Supervised successfully 12 undergraduate final theses.
7. Supervised successfully 10 M.Sc and 2 PhD theses; currently supervising 2 M.Sc and 3 Ph.D candidates.

4.3. Countries of working experience

- Vietnam
- Canada
- Thailand
- Laos
- Cambodia
- Iran

5. Social and professional assignments

1. November 1984 to September 1986: Member of Executive Committee and vice president of the Ho Chi Minh Youth Union, Department of Geology, University of Mining and Geology, Hanoi.
2. January 1989 to January 1992: Vice president of the Ho Chi Minh Youth Union, Division of Radioactive and Rare Elements, Geological Survey of Vietnam.

3. January 1992 to May 1994: president of the Ho Chi Minh Youth Union, Division of Radioactive and Rare Elements, Geological Survey of Vietnam.
4. February 1993 to February 1995: Member of Executive Board of the Trade Union of Vietnam at the Division of Radioactive and Rare Elements, Geological Survey of Vietnam.
5. Member of the Geological Society of Canada since 1998.
6. Member of the Society of Economic Geologist since 2003.
7. November 2003 to October 2006: Deputy head of the Department of Geology, Faculty of Geology; Secretary of Research Council of the Faculty of Geology, Hanoi University of Mining and Geology.
8. December 2003 to present: Secretary of Research Council of the Faculty of Geology, Hanoi University of Mining and Geology, Hanoi, Vietnam.
9. October 2005 to present: Director of Geological Museum, Hanoi University of Mining and Geology, Hanoi, Vietnam.
10. October 2004 to present: Director of the Geological Museum, Hanoi University of Mining and Geology.
11. November 2006 to present: Head of Department of Geology, Hanoi University of Mining and Geology, Hanoi, Vietnam.
12. March 2008 to present: Associate Dean, Faculty of Geology, Hanoi University of Mining and Geology, Hanoi, Vietnam.
13. January 2011 to present: Director of Centre for Information and Library, Hanoi University of Mining and Geology, Hanoi, Vietnam.

6. International conference presentations

1. 'Deposition, deformation, and metamorphism of the Kiskeynew Gneiss in the Medicine Rapids-Grassy Narrow area, Saskatchewan, Canada'. Oral presentation at the Sixth Trans-Hudson Orogen Transect Workshop LITHOPROBE, University of Saskatchewan, Saskatoon, Saskatchewan, Canada, May 1-2, 1997.
2. 'Metamorphic condition in the Medicine Rapids-Grassy Narrows area, northern Saskatchewan, Canada'. Oral presentation at the Saskatchewan Geological Survey Annual Open House 1997, Saskatoon, Saskatchewan, Canada, November 19-20, 1997.
3. 'Geology of the Daly-Suttle Lake area: A preliminary interpretation'. Oral presentation at the Saskatchewan Geological Survey Annual Open House 1997, Saskatoon, Saskatchewan, Canada, November 30-December 2, 1998.
4. 'Deformation in the Cree Lake Zone: A regional perspective'. Oral presentation at the Saskatchewan Geological Survey Annual Open House 1999, Saskatoon, Saskatchewan, Canada, November 29-December 1, 1999.
5. Crustal thrusting and tectonic imbrication in the Cree Lake Zone, northern Saskatchewan: implications for the tectonic evolution of the western foreland of the Trans-Hudson Orogen. Oral presentation at the Canada2000: the Millenium Geoscience Summit, Calgary, Canada, May, 2000.
6. An update of the western Trans-Hudson Orogen in Saskatchewan. Oral presentation at the GAC-MAC Annual Meeting, St. John's, Canada, May, 2001.
7. Rift, passive margin, and foreland basin sedimentation in the Paleoproterozoic Wollaston Supergroup, Saskatchewan. Oral presentation at the GAC-MAC Annual Meeting, Saskatoon, Saskatchewan, May 2002.

8. Evolution from passive margin to foreland basin along an ancient continental margin: evidence from the Paleoproterozoic Wollaston Group, Cree Lake Zone, northern Saskatchewan, Canada. Oral presentation at the Summit 2000, Geological Society of America Annual Meeting, Reno, Nevada, USA, November 13-16, 2000.
9. 'The Wollaston Group in northern Saskatchewan: A record of passive margin to foreland evolution along an ancient continental margin'. Oral presentation at the Saskatchewan Geological Survey Annual Open House 2000, Saskatoon, Saskatchewan, Canada, November 27-29, 2000.
10. 'Tectonic evolution of a Precambrian continental margin from rifting to foreland fold-thrust belt development'. Poster presentation at the Geological Association-Mineralogical Association of Canada Annual Meeting, St. John's Newfoundland, Canada, May 27-30, 2001.
11. 'Paleoproterozoic plate tectonic evolution in the Cree Lake Zone, Saskatchewan'. Oral presentation at the Geological Association-Mineralogical Association of Canada Annual Meeting, Saskatoon, Saskatchewan, Canada, May 27-29, 2002.
12. 'The structural controls on mineralisation at the Nui Phao Polymetallic (W-F-Cu-Au-Bi) Deposit, North Vietnam'. Oral presentation at the Geological Association-Mineralogical Association of Canada Annual Meeting, Vancouver, Canada, May 25-28, 2003.
13. 'Tectonic controls on the formation of Cretaceous red-bed deposits in Son La area, northwestern Vietnam: a regional perspective'. Oral presentation at the 6th Symposium of IGCP 434: Cretaceous Geology and Resources in South, East Asia and adjacent areas, Hanoi, Vietnam, November 2-9, 2004.
14. 'New discovery on the existence of deformational events involving thrust faulting in the northwestern Vietnam and its implication to the tectonic evolution of Indochina'. *In* Abstract Volume, 32th International Geological Congress, Florencia, Italia, August, 2004.
15. 'The existence of Precambrian terranes in northwestern Vietnam and their significance in the tectonic evolution of Indochina'; *in* Proceedings of the International Conference on Precambrian Continental Growth and Tectonism (PCGT-2005), Bundelkhand University, UP, India, 2005.
16. 'Fold-thrust deformation and imbrication during orogeny in Northwest Vietnam: their existence and implication on regional tectonic framework'. Oral presentation at the Scientific Conference on 60th anniversary of the founding of Geological sector of Vietnam, Hanoi, 2005.
17. 'Structural and tectonic evolution of Northwest Vietnam'. Oral presentation at the International Conference on Geology, Geotechnology and Mineral Resources of INDOCHINA, Khon Kaen, Thailand, 2005.
18. 'Deformational history in northwest Vietnam and its implication on the tectonic evolution of Indochina'. *In* Proceeding of the Second Symposium of the International Geologic Correlation Program (Project 516) "Geological Anatomy of East and South Asia", Quezon City, Metro Malina, Philippines, November 14-15, 2006.
19. 'Structural setting of Some Gold Mineralizations in Northwest of Vietnam and its implication for Regional Gold Metallogeny'. Oral presentation at the 4th Annual Meeting of Asia Oceania Geosciences Society (AOGS-2007), Bangkok, Thailand, 2007.
20. 'The Song Ma Suture Zone in Northwest Vietnam: Its existence, history and problem'. Oral presentation at the International conference on Tectonics of Northwestern Indochina, Chiang Mai, Thailand, February 6-8, 2008.

21. 'New discovery on the existence of oceanic crust in northeastern Vietnam and its implication to the tectonic evolution of Paleotethys'. Oral presentation at the 33rd International Geological Congress, Oslo, Norway, August 6-14, 2008.
22. 'Nature of the Phuoc Son-Tam Ky Suture in Central Vietnam and Implications for Gold Mineralization'. Oral presentation at the The 10th Biennial Meeting of The Society for Geology Applied to Mineral Deposits (SGA), Townville, Australia, August 17-20, 2009.
23. 'Nature of the Phuoc Son-Tam Ky Suture in Central Vietnam and Implications for Gold Mineralization'. Oral presentation at the AOGS annual meeting, Singapore August 17-20, 2009.
24. 'Structural controls on gold mineralization in Ngan Son district, Northeastern Vietnam'. Oral presentation at the AOGS Annual meeting, Taipei, Taiwan, August 8-12 2011; Presenter.
25. 'Structural features of magmatic complexes in Ngan Son area. Bac Kan province and their significance in regional tectonic framework'. Oral presentation at the International Workshop on Advanced Research in Geosciences in Southeast Asia, Hanoi, Vietnam, November 19-20, 2011.
26. 'The occurrence of ophiolite-style assemblages along Sino-Vietnam border, Northeastern Vietnam and its implication to the tectonic evolution of Northeastern Indochina'. Oral presentation at the International Conference on Geology of Indochina (GEOINDO 2011), Khon Kaen, Thailand, December 1-3, 2011.
27. 'Sedimentary rock-hosted gold mineralization in Ngan Son district, Northeastern Vietnam'. Oral presentation at the International Conference on Regional Geology, Stratigraphy and Tectonics of Myanmar and neighboring countries and Economic Geology (petroleum and mineral resources) of Myanmar (GEOMYANMAR 2012), Yangon, Myanmar, March 1-2, 2012.
28. 'Thermo-tectonic feature of northwestern Vietnam tectonic belt and its significance in the Tectonic evolution of Indochina'. Keynote presentation at the Joint Annual Conference of the Petrological Society of Korea and the Mineralogical Society of Korea, Seoul, Korea, May 17-19, 2012.
29. 'The nature of ophiolite-style mélanges along the northeastern margin of Indochina and their possible linkage to the Paleotethys'. Oral presentation at the AOGS 2012 Annual meeting, Singapore, August 13 -17, 2012; Presenter.
30. 'Geological resource potential of Vietnam and current mining practices: an overview'. Oral presentation at the International Workshop On Minerals Processing and Beneficiation, Johannesburg, South Africa, 25 – 27 September, 2012.

7. Publications

1. **Tran, H. T.**, and Yeo, G. M. (1997). Geology of the Burbidge Lake-northern Upper Foster Lake area, eastern Wollaston Domain (NTS 74A-14), *in* Summary of Investigations 1997, Saskatchewan Geological Survey Sask. Energy Mines, Misc. Rep. 97-4, p. 72-89.
2. **Tran, H. T.**, Lewry, J. F., and Ashton, K.E. (1996): The Geology of Medicine Rapids-Grassy Narrows area. In Summary of Investigation 1996, Saskatchewan Geological Survey, Sask. Energy and Mines, Mis. Rep. 96-4, pp. 43-50.
3. **Tran, H. T.**, Yeo, G., Bradley, S., and Lewry, J. F. (1998): Geology of the Daly-Suttle-Middle Foster Lake area, eastern Wollaston Domain (NTS 74A-5, 11, and 12), *in*: Summary of Investigations 1998, Saskatchewan Geological Survey Sask. Energy Mines Misc. Rep. 98-4; pp. 48-65.

4. **Tran, H. T.** and Smith, M. (1999): Geology of the Cup-Keller-Schmitz Lakes transect of the Wollaston-Mudjatik domains boundary; in: Summary of Investigations 1999, Saskatchewan Geological Survey Sask. Energy Mines Misc. Rep. 99-4; pp. 68-79.
5. **Tran, H. T.**, Yeo, G., and Bethune, K. (1999): Geology of the McKenzie Falls area, Haultain River, Wollaston-Mudjatik domains boundary (NTS 74B-7 and 8); in: Summary of Investigations 1999, Saskatchewan Geological Survey Sask. Energy Mines Misc. Rep. 99-4; pp. 55-67.
6. **Tran, H. T.**, Lewry, J. F., Bethune, K. M., Ansdell, K. M., Ashton, K. E., and Yeo, G. M. (2000a): Evolution from passive margin to foreland basin along an ancient continental margin: evidence from the Paleoproterozoic Wollaston Group, Cree Lake Zone, northern Saskatchewan, Canada; in: Summit 2000, GSA Annual Meeting, Abstracts with Programs, Reno, USA; p. A376.
7. **Tran, H. T.**, Lewry, J. F., Bethune, K. M., Ashton, K. E., Yeo, G. M., and Ansdell, K. M. (2000b): Crustal thrusting and tectonic imbrication in the Cree Lake Zone, northern Saskatchewan: implications for the tectonic evolution of the western foreland of the Trans-Hudson Orogen; in: Geocanada 2000, the Millennium Geoscience Summit, Calgary, Canada, CD-ROM edition.
8. **Tran Thanh Hai**, Nguyen Quang Luat, Nguyen Van Nguyen, and Hoang Quang Chi (2002): New discovery on the existence of an early deformational event involving thrust faulting in the Lai Chau area and its implication to the tectonic framework of northwest Vietnam; in: Proceeding of the 15th Scientific Conference, Hanoi University of Mining and Geology, volume 2, pp. 54-62 (in Vietnamese with English abstract).
9. **Tran, H. T.**, Ansdell, K. M., Bethune, K. M., Watters, B. R., and Ashton, K. E. (2003): Nd isotope and geochemical constraints on the depositional setting of Paleoproterozoic metasedimentary rocks along the margin of the Archean Hearne craton, Saskatchewan, Canada; Precambrian Research, v. 123; pp. 1-28.
10. **Tran Thanh Hai**, Nguyen Van Can, Nguyen Cong Thuan (2004): High-resolution structural analysis of multiply deformed regions and its significance in geological history of the northeastern Cao Bang area, Northern Vietnam; in Nguyen Van Can et al. (eds.): Geology and Minerals of Vietnam, special publication on the 45th Anniversary of the foundation of Northern Geological Mapping Division, Department of Geology and Mineral of Vietnam, Hanoi, pp. 99-116. (In Vietnamese with English abstract)
11. **Tran Thanh Hai**, Mathew Farmer, James Stemler, Steve Duka (2004): Structural styles and its control on mineralization at Nui Phao polymetallic deposit (W-F-Cu-Au-Bi), Dai Tu, Thai Nguyen; Journal of Geology, Department of Geology and Minerals of Vietnam, v. 285, p. 108-119. (In Vietnamese with English abstract).
12. **Tran Thanh Hai**, Dang Van Bat, Nguyen Linh Ngoc, Nguyen Van Can, Nguyen Van Huu (2004): Tectonic controls on the formation of Cretaceous red-bed deposits in Son La area, northwestern Vietnam: a regional perspective, in Proceeding of the 6th Symposium of IGCP 434: Cretaceous Geology and Resources in South, East Asia and adjacent areas, Hanoi, Vietnam.
13. **Tran Thanh Hai** (2005a): Structural and tectonic evolution of Northwest Vietnam. In Proceedings of the International Conference on Geology, Geotechnology and Mineral Resources of INDOCHINA, Khon Kaen, Thailand, p. 455-463.
14. **Tran Thanh Hai**, Nguyen Van Nguyen, Hoang Quang Chi, Nguyen Van Can, Tran Van Tri, Kevin Ansdell (2005b): Fold-thrust deformation and tectonic imbrication during orogeny in Northwest Vietnam: their existence and implication on regional tectonic

- framework. In Proceedings of Scientific Conference on 60th anniversary of the founding of Geological sector of Vietnam, Hanoi, pp. 49-62. (In Vietnamese with English abstract).
15. **Tran Thanh Hai** và Nguyen Van Nguyen (2006): Tectonic setting of some intrusive complexes in the vicinity of Muong Lay town, Dien Bien province. Mining-Geology Technical Journal, v. 14, pp. 43-50. (In Vietnamese with English abstract)
 16. **Tran Thanh Hai** (2006): Deformational history of northwest Vietnam and its implication on the tectonic evolution of Indochina. *In* Proceeding of Second Symposium of the International Geologic Correlation Program (Project 516) “Geological Anatomy of East and South Asia”, Quezon City, Metro Malina, Philippines.
 17. **Tran Thanh Hai** (2007): Shear Zone: definition, geometry and nature. Journal of Geology, Department of Geology and Minerals of Vietnam, v. 299, pp. 31-41. (In Vietnamese with English abstract).
 18. **Tran Thanh Hai**, Đang Van Bat, Đò Đình Toat, Nguyen Thi Bich Thuy, Fukun Chen, Tran Van Tri (2007): The occurrence of pillow basalts in Cao Bang-Lang Son area and their implication to the tectonic setting of Northeastern Vietnam. Journal of Geology, Department of Geology and Minerals of Vietnam, v. 299, pp. 10-24.
 19. **Hai Thanh Tran**, Ansdell, K., Bethune, K., Ashton, K., Hamilton, M. (2008). Provenance and tectonic setting of Paleoproterozoic metasedimentary rocks along the eastern margin of Hearn Craton: constrain from SHRIMP geochronology, Wollaston Group, Saskatchewan, Canada. Precambrian Research, v. 167, pp. 171-185.
 20. **Hai Thanh Tran**, Khin Zaw, Halpin, JA, Manaka, T, Hai, LV, Hung, DD, and Hung, NB (2009), Nature of the Phuoc Son-Tam Ky Suture in central Vietnam and implications for gold mineralisation, Proceedings of the 10th biennial SGA meeting: Townsville, p. 963-965.
 21. **Tran Thanh Hai**, Le Anh Tuan, Ngo Van Hung, 2010. Deformational History of Song Chay Fault Zone during Cenozoic and its role in the evolution of Song Hong Basin, Northern Vietnam. Proceedings of International Science and Technology Conference: Vietnam Oil and Gas 2010, Vol. 1. Science and Technique Publ., pp.
 22. **Hai Thanh Tran**, Bat Van Dang, Chi Kim Ngo, Que Dinh Hoang, Quyen Minh Nguyen, 2011. Structural controls on the occurrence and morphology of karstified assemblages in Northeastern Vietnam: a regional perspective. Journal of Environmental Earth Sciences, Special Issue. DOI 10.1007/s12665-011-1057-1.
 23. **Hai Thanh Tran**, Khin Zaw, Jacqueline A. Halpin, Takayuki Manaka, Sebastien Meffre, Youjin Lee, Le Van Hai, Chun Kit Lai, Sang Dinh (in review). The Tam Ky-Phuoc Son Shear Zone in Central Vietnam: Tectonic and metallogenic implications. Gondwana Research, DOI:
 24. Phan Truong Thi, Nguyen Ngoc Anh, **Tran Thanh Hai** (1993): Unconformity related mineral deposits and their potential in metamorphic rocks of Kham Duc formation. Journal of Geology, Department of Geology and Minerals of Vietnam, v. 216-217, pp. 14-18. (In Vietnamese with English abstract)
 25. Nguyen Ngoc Anh, Dong Van Nhi, **Tran Thanh Hai** (1993): Monazite, zircon in on-shore placers in Ha Tinh and Binh Dinh provinces. Journal of Geology, Department of Geology and Minerals of Vietnam, v. 216-217, pp. 33-38.
 26. Madore, C., Annesley, I. R., and **Tran, H. T.** (1999): Petrology and Geochemistry of Proterozoic Wollaston Group metasediments from the eastern Keller Lake-Siemens Lake area, Saskatchewan: A preliminary interpretation; in: Summary of Investigations 1999. Saskatchewan Geological Survey, Sask. Energy Mines, Misc. Rep. 99-4; pp. 80-89.

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8. Reference persons

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9. Certification

I, the undersigned, certify that to the best knowledge and belief, this curriculum vitae correctly describes myself, my qualification and my experience.

10. Date and signature

Hanoi, March 15, 2013

A handwritten signature in blue ink, appearing to be 'Hai Thanh Tran', written in a cursive style.

Hai Thanh Tran