

## **Hanh D. Le-Griffin, Ph.D.**

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### **Professional and Personal Mission**

I have always aspired to successfully integrate teaching, research, and professional and community service in ways that benefits students, advances engineering science as well as the academic standing of my home university, and that contributes to a more efficient transportation industry as well as improved local communities. It has been my experience that success in any one of these areas enhances my effectiveness in the others.

I always strive to be a positive role model for students. I work to practice what I preach, especially in the quality of my work, personal responsibility and commitment, respect for others while being an independent thinker and solution seeker engaged in teamwork-oriented execution and implementation. My expectations for students are as high as for myself, and in this I have fortunately and frequently been delighted and gratified with their work and progress.

### **Professional Employment**

**Jan. 2017 – Present**

**Director, Ports and Marine Terminal,** Transportation and Logistics, Hatch Engineering, an International Engineering consulting firm. Directs and delivers marine terminal and port master planning and development projects in North America and leads global marine terminal technical expertise training and integration. Performs terminal and port-wide operational analyses and modeling, including intermodal rail and long-term terminal capacities. Responsible for technical due diligence of marine port asset acquisitions world-wide, generating capacity analysis and CAPEX, OPEX models to evaluate alternative financial and development scenarios.

**Oct. 2013 – 2017**

**Senior Program Manager—Ports and Harbor,** Infrastructure Development Program/Project and Construction Management Division, ARCADIS, an International Environmental and Engineering consulting firm. Lead the US Port and Marine Terminals business, manage the company engineering and design resource, manage and execute worldwide projects for marine terminal planning, design layout and operational efficiency and capacity and financial modeling and analyses.

**Oct. 2010 – 2013**

**Technical Director,** Marine and Coastal Engineering, Infrastructure and Environmental Division, WorleyParsons Corporation. Lead terminal design teams in the planning, design and operational efficiency of marine terminal facilities. Developing global terminal planning and operations capabilities on various designs and modeling platforms. Build client relationships and expand client portfolio in the Americas and Asia markets, and assemble international project teams to structure and deliver greenfield and capacity improvement projects.

### Academic and Research Employment

- May 2011 –Present**      **Adj. Associate Professor**, Astani Department of Civil and Environmental Engineering, University of Southern California
- Teach graduate courses in Port & Marine Terminal design, operations and analysis. Advice students on course projects and Directed Research, participate in academic and professional associations and publish research results and projects of special professional interest.
- Jan 2001 - 2010**      **Research Assistant Professor**, Department of Civil and Environmental Engineering, University of Southern California, Los Angeles, Taught, initiated and performed original research projects dealing with commercial port operations, port logistics and landside distribution systems, market forecasts, and goods movement policy options.
- Aug 1996 – Dec. 2001**      **Senior Researcher**, Institute for Transport Policy Studies (ITPS), Japan.
- ITPS is a think-tank that initiates research proposals for the Japanese government on transport related policies and problems, and conducts original research. These research proposals address all areas of transportation, including questions relating to the freight system efficiency, urban development and the environment. Responsible for research projects leading to publication, and for public lectures at colloquia, symposia and conferences. Senior researcher responsible for all international ITPS research activities involving collaboration with other international research institutions.
- Aug 1995 - Jul 1996**      **Post-Doctoral Fellow**, School of Policy, Planning, and Development (formerly the School of Urban Planning and Development), University of Southern California (USC).
- Conducted advanced transportation research for publication and presentations at professional workshops. Actively participated in professional conferences. Co-taught courses with one faculty member and assisted others. Organizer and co-instructor of a successful international summer field course in Hanoi.
- Apr 1992 - Jul 1995**      **United Nations Researcher**, United Nations Centre for Regional Development (Japan), Urban Transportation and Housing Development.
- Responsible for the Transportation Research Project on Urban Transportation Systems, specializing on the integration of transportation modes (especially, non-motorized and pedestrian) in urban transportation engineering and planning.
- 1984 - 1989**      **Lecturer** (equivalent to the North American rank of Assistant Professor), Hanoi University of Transportation and Communication, Department of Transport Economics.
- Teaching and research relating to travel demand modeling, methodology

on transportation network optimization, port planning and operation, and related topics.

**Education**

- 1995 - 1996** Post-Doctoral Fellow, University of Southern California, School of Policy, Planning, and Development (formerly the School of Urban Planning and Development—Transportation Economics and Modeling Group).
- 1995** Doctor of Philosophy, Transportation Program, Department of Civil Engineering, Gifu University, Japan.  
Dissertation Title: Advanced Transportation Demand Modeling: A New Approach for Accommodating Exogenous Demand Assumptions based on the Neo-Classical Consumer Theory (Continuous Choice Model).
- 1992** Master of Engineering, Transportation Program, Department of Civil Engineering, Gifu University, Japan.  
Thesis Title: Model Development on Cost-Benefit Analysis for Newly Introduced Transportation Technologies.
- 1984** Bachelor of Science in Transportation Engineering, Department of Transportation Technology and Economics, Hanoi University of Transportation and Communication.

**Honors and Awards**

- 1996** Best Paper Award, Japan Society of Civil Engineering (JSCE). "Generalized Extreme Value (GEV) Models and Nested Logit (NL) Models in the Context of Neo-Classical Consumer Theory," (1995) *Journal of Infrastructure Planning and Management* No. 506/IV-26, pp. 129-136.
- 1996** Lusk Center Research Institute Award for Conducting Original Research with Distinction, University of Southern California.
- 1995 - 1996** Irvine Foundation Fellowship awarded by the University of Southern California to promote advanced research in fields related to urban and regional transportation development. Specialized in transport demand modeling, and authored academic papers and joint research products with USC faculty members.
- 1989 - 1995** Japan Ministry of Education Fellowship (MONBUSHO): one of five scholarships awarded each year under the bilateral higher education agreement between the Governments of Japan and Vietnam.
- 1984** Among the top five graduates of the Hanoi University of Transportation and Communication. Graduated with the designation "Honors and Award," earning the privilege of selecting employment instead of being assigned to a position.





public private partnership financing structures to justify development of large infrastructure projects. Scope of research includes the planning, engineering, and operations of commercial marine ports and their associated landside infrastructure & logistics support systems. Research highlights the benefits of advanced technologies and automation on port operations and their impacts on the environment and local and regional communities. Particular focus on the performance of U.S. West Coast ports as an integral part of the larger Asia-Pacific and global maritime transportation system as well as the development of regional port systems along the West Coast. Specific projects include: Green port solutions and terminal planning and design, landside logistics and dry-port; Integrated Short Sea Shipping operation within the Regional Port Systems; Integration of Maritime Freight Logistics and Surface Urban Transportation Systems (UTS); Container terminals operational efficiency and technologies.

### **Funded Academic Research since the Year 2000**

Principal Investigator “*Maritime Container Terminal Automation Technologies Analysis*” a research project to support private-sector container terminal operators to understand the impacts of emerging technologies and equipment on terminal operating efficiency, sustainability and the timing of capital spending requirements. Funded by Port of Los Angeles’ tenant (confidential) (2019-on going).

Principal Investigator “*Arctic Sea Basin Check Point – Bathymetric data Analysis*” a research project to review and evaluate existing bathymetric data survey of the Arctic sea basin conducted by different national and international agencies for different research purposes and to recommend additional survey required to ensure certainty and safe navigation of commercial ships including oil and gas support vessel in the Arctic. Results of the research will be an integrated GIS-ArcView mapping of the Arctic sea basin checkpoint for public and commercial use (2015-2018).

Co-Principal Investigator “*Green Port Development – Greenhouse gases and ships in port cities*” Collaboration research on the impact of ships in port cities in Australia, Europe, Japan and United States (2015-2016).

Guest Member of the US Arctic Council, *Arctic Ports Sustainable Development Assessment*; Impact assessment of increased marine activities and port development in the Arctic; identify international best practices and public policies toward sustainable development of Arctic region for environmental and engineering issues, regulatory requirements, and project implementation (2014).

Co-Principal Investigator “*Natural resource development and infrastructure & logistics needs assessment in Yukon region*” Funded by US-Canada Collaborative Researches, Canadian Embassy (2014)

Principal Investigator “*California Historic Winter Storm Traffic and Economic Impact Analysis*”; Funded by the US Geological Survey (USGS). Traffic modeling and economic analysis of national highway network traffic and economic impacts resulting from simulations of historic California winter storm of 1862 on modern day highway network and state economies, (March-July, 2010)

Principal Investigator, *A Sea Port System Development Strategy for Vietnam, 2011-2030 and Vision for 2045: Building on International Experience and Knowledge*, Funded by United Nations Development Program (UNDP) and the Ministry of Planning and Investment (MPI), Government of Vietnam, (Jan-May, 2009)

Co-Principal Investigator, *Emergency Traffic Management Tool for the Los Angeles and Long Beach Harbor Area*, co-author by Prof. Darin Goldstein, Department of Computer Science, California State university, Long Beach (CSULB), Funded by California State Transportation Department and the

National Center for Metropolitan Transportation Research (METRANS), (2009-2010)

Principal Investigator (PI), *Impact Analysis of Streamlined Inter-terminal Movements and Extended Hours of Operations on Container Terminal Capacity and Source-specific Emission Reduction*, Funded by California State Transportation Department and the National Center for Metropolitan Transportation Research (METRANS), (2007-2009)

Principal Investigator (PI), *Impact Analysis of National Port Policy on the Efficiency of Goods Movement System in Southern California*, Awarded by Maritime Administration (MARAD), Agency of US Department of Transportation, (2006-2007).

Principal Investigator (PI), *Assessing Container Port System Productivity: International Comparative Analysis*, Center for International Trade and Technology (CITT) and National Center for Metropolitan Transportation Research (METRANS), (June 2005-May 2007)

Principal Investigator (PI), *Landside Surface Transportation Impact of Short Sea Shipping in Southern California*, co-author by Prof. James Moore, Viterbi School of Engineering, USC, Funded by California State Transportation Department and the National Center for Metropolitan Transportation Research (METRANS). (2004-2005)

Principal Investigator (PI), *Integrating Maritime Transportation Movement with the Urban Transportation System (UTS): A Corridor-Centered Approach*, Funded by the University of Southern California Sea Grant Foundation (2004-2006)

Principal Investigator (PI, United States), *Freight Transport, Logistics and Globalization: A Tri-continental Approach* (this is an international collaborative research project on freight transportation and logistics structures, organization and market structures in Europe, Japan and the United States). Sponsored by University Paris 12 –Val de Marne and Ecole Nationale des Ponts et Chaussées and The European Transport Policies and Strategies (2004-2006)

Principal Investigator (PI), *Empty Container Logistics in Southern California*, National Center for Metropolitan Transportation Research (METRANS) (2002-2003)

International Instructor, *Training Course on Traffic Planning and Design for Situations with Non-Motorized and Motorized Vehicles and Pedestrians*, Funded by the World Bank and the Ove Arup & Partners Hong Kong Ltd. Ho Chi Minh City, Viet Nam, Oct. 2001.

Co-Author, *Background Paper on Key Transportation Policy Issues in Southern California* (Co-author with Prof. Guinevere Giuliano, School of Policy, Planning and Development, USC), U.S.A, Louis Berger Group, Inc., 2001

Principal Author: *A Proposal for A Comprehensive Transportation and Logistics Network in Northeast Asia*. Funded by The East-West Center and the Korea Transport Institute, Hawaii, August 2000.

### **Representative Professional Services (2006-2019)**

Active international port and freight transportation system consultant, Project Manager and Technical Analyst for over 100 medium to large scale projects related to Maritime Freight Transportation, Port Operations/Planning and Freight Transportation System Analysis in the United States, Canada, Central and South America, Caribbean, Panama, China, Japan South East Asia and Vietnam. Clients include transportation and government agencies (DOT), private infrastructure asset management groups, investment bankers, shipping lines and port operators, and international funding institutions.

**Wilmington Traffic Impact Study**, SCAG (2019-2020) Provide traffic impact analysis for a city of Wilmington road and interchange reconfiguration project focusing on port-related truck traffic and impacts of the new road alignments.

**Port Power Systems Resilience Study**, Port of Long Beach (2019) Provided a review of current and future power demand and sources of renewable energy options to support the San Pedro Bay ports' zero emission 2030 mandate.

**LNG Supporting Marine Support Facility Development**, Kitimat, Canada (2019) Provided analysis and development plan for a marine support facility for LNG Canada development project in Kitimat.

**Automation Master Planning and Development**, Port of Los Angeles confidential tenant (2019-on going) Prepare development master plan (marine wharf, on-dock rail, land side expansion) for one of the largest San Pedro Bay container terminals, including selection of advanced technology and equipment, capacity requirements, capital expenditure options, and development and construction plans.

**Brookfield Assets Technical Due Diligence** (2019-2020) provide technical due diligence analysis for over 13 port, intermodal rail and logistics facilities owned by Brookfield in United Kingdom, Australia, New Zealand and in North America. Focus areas include, operating performance KPI, asset's maintenance programs and maintenance capital expenditure.

**Technical Due Diligence** (2018-2019): Provided technical reviews and performed technical due diligence for marine and landside intermodal terminal facilities supporting terminal acquisition bids for existing and greenfield development assets globally. Recent representative projects include:

- Confidential Client, Long Beach Automated Container Terminal, Technical Reviews and Conditions Assessment,
- Confidential Client, TraPac Automated Container Terminal, Technical Reviews and Asset Evaluation
- MTC Holding Inc, Colon Container Terminal (PCCP) Technical Due Diligence, Panama.

**Port of Grand Cayman Redevelopment and Modernization Program** (2018): Provided engineering design for the redevelopment of main cargo terminal to accommodate the expansion and construction of additional cruise berths to accommodate modern green cruise ships and landside support alternative marine power sources.

**Port of Everglades Modernization Program, Miami** (2018): Provided Strategic Development Master Plan for the port of Everglade multi-purpose, multi-cargo terminals. Also, work with port's tenants to develop operation and energy efficient solutions to meet future cargo demand and mitigate impacts.

**Port New York-New Jersey Strategic Master Planning, New York** (2017-2018): Provided technical reviews and coordination for the development of PANYNJ port facilities' land use and development plans for near, mid- and long-term planning horizon 2040. Worked with port's tenants as well as local and regional planning agencies (MPOs, DOTs) to gain insights on physical and operational constraints relevant to future growth potential of the Port, and to identify and coordinate future improvement projects and development timelines supporting the preparation of the Long Range Strategic Master Plans.

**Donlin Gold LLC, Alaska, Stage Gate Study, Logistics and Port Sites Options** (2018): Provided technical reviews and gap analysis on previous Feasibility Studies and Analyses for port site locations and logistics issues related to river water depth and navigation time window during shipping season.

**Inuvialuit Regional Corporation, Beaufort Delta Regional Energy Feasibility Study, Logistics**



**Analyst** (2018): Provided the planning and assessment of LNG Transport and Delivery by Barge Option to/from LNG source location and Inuvialuit communities during a narrow ice-free shipping time window.

**Port of Halifax Master Planning, Halifax, Canada** (2016-2017): Provided short, mid- and long-term plans for Halterm and Fairview Cove container terminals as part of Halifax Port Master Planning effort. Performed terminal and port wide operational analysis and modeling, including on-dock and off-dock support intermodal rail facilities and port-wide long-term capacity and land use development and planning program.

**New Valdez Boat Harbor City of Valdez, Alaska** (2015-2016): Provided facility design review and project management for the new \$79 million New Harbor Development project in Valdez, Alaska, supporting the City in effectively managing the sequencing phased construction schedule, coordination with USACE on the federal dredging and breakwater work, independent harbor design review management. Construction began spring 2015 and will be phased over 2-3 construction seasons, depending on project funding and USACE efforts.

**LNG Liquefaction Plant Due Diligence Interior Energy Project, AIDEA** (2015): Prepared CAPEX and OPEX evaluation of competing development plans leading to the determination of a preferred provider/partner for the design, build, own and operate of an LNG liquefaction plant providing LNG to the Interior Energy Project administered and funded by the Alaska Industrial Development and Export Authority (AIDEA). Due diligence assessed the reasonableness of the CAPEX and OPEX information provided in the proposals submitted by final proponents, and involved the evaluating/confirming of vendor quotes, labor rates, construction methods, plant location and overall development plan.

**Skagway Ore Terminal Expansion, Alaska** (2014): Project Manager for the expansion of iron-ore and copper concentrate export terminal, prepare functional specification for expansion of the facility, lead design engineering review and preparation of a design build contract, as owner's project manager oversee the project during the construction period.

**Seward Marine Industrial Center, Alaska** (2013-2015): Project Manager and Lead design of harbor marine docks and structures, master plan development of upland properties including service utilities and infrastructure. Coordinate with city engineering consultant on construction of breakwater and basin dredging. Prepare capacity needs analysis based on master plan for marine and landside uses.

**Kodiak Pier 3 Replacement, Alaska** (2013-2014): Engineering design management and construction supervision, manage procurement of owner supplied materials and support city in negotiations with terminal operator for installation and operation of new 100-gauge ship to shore crane.

**Port to Mine Logistics Facilities and Liquefied Natural Gas (LNG) System Design Development** (2013). Technical Director and Terminal Planning Lead in the system design development for the Pebble Mine Facilities situated in a rolling terrain approximately 200 miles southwest of Anchorage, Alaska. The project components include an initial open pit mine, mill site facilities for process and infrastructure, an access corridor between the Pebble project site and Cook Inlet, a pipeline for gas, a port, power generation and power transmission to serve the Pebble Project. As a facility planner, reviewed and revised facility layout designs and integrated maritime and landside facilities operations and development planning to meet transportation volume and timing constraints, including the integration of shipments of mineral and cargo and LNG supplies for mining operations.

**Corozal Container Transshipment Terminal, Panama Canal Authority** (2012-2013): Technical Lead, prepared capacity and financial models for development of the total project, generated and

modeled alternative operating scenarios and management structures. The integrated operations and financial modeling allowed for dynamic scenario evaluations of differing terminal capacity levels through various phased of development.

**New Transshipment Terminal Feasibility, Panama Canal Authority (2012-2012):** Technical Lead in the assessment of operating capacities, financial feasibility and development options for development of a container transshipment terminal located at Panama Pacific harbor. Developed analytical modeling for the development project considering design capacity, capital investment and operating cost options drawn from various operational strategies and cargo handling equipment/technologies. Operating performance and financial feasibility were analyzed for various development and governance options. Financial results were accepted, and the project was recommended for the next phases of development.

**APM Porto Novo de Manaus, Brazil (2011-2012):** Lead Terminal Planner and Operations and Capacity Analyst for the development of the terminal and upland. Review and update of conceptual layout, CAPEX, OPEX, schedule, and environmental characterizations for the development of a greenfield container terminal located at the headwaters of the Amazon River in Brazil. The site required a floating quay designed to accommodate a 16meter fluctuation in water levels. Prepared terminal operations and capacity analyses, including TOS design, estimates of required equipment and investment schedule and phases.

**Port Metro Vancouver Container Capacity Improvement Program (2011-2012):** Lead Terminal Planner for structuring of design packages for expansion of existing Deltaport container terminal intermodal yard and development of new three berth container terminal at Roberts Bank, Vancouver, British Columbia, Canada (On-going)

**Manzanillo Container Terminal Development Program (Nov.2012-Feb. 2013):** Lead Terminal Planner for terminal capacity analysis and master layout for greenfield container terminal of 1.7 million TEU annual capacity comprising the phased development of three berths with supporting container yards, intermodal yard, and automated gate facilities. Terminal layout also included container transfer and customs inspection facilities. Prepared engineering requirements (ER) documents for a competitive construction bidding process

**West Hayden Island, Port of Portland (2010-2011):** Lead Terminal Planner for proposed new terminal site being developed jointly by the Port of Portland and the City of Portland. Development will include rail and road infrastructure to support introduction of terminal operations, and overall planning for the development will also involve the integration of natural habitat preservation and passive recreational uses and access to shorefront areas.

**National Port Development Strategy Evaluation, Government of Vietnam and United Nations Development Programs (UNDP) (2009):** Established international benchmarks and economic performance criteria for port and regional economic development initiatives at various stages of development and promotion throughout the country of Vietnam. Developed a long-term development strategy for the national and regional container port and logistics systems which includes the identification of the sequence and scope of development projects according to various economic development scenarios and stages of national economic development.

**Strategic Advisor for Public-Private Partnership, Port New Orleans (Nov. 2008 - May 2009):** Led terminal capacity analysis and goods movement infrastructure needs assessment to advise and support the Port in structuring and implementing a public-private partnership arrangement to develop new container terminal facilities.

**California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) Documentation for Port Development Project at the former Oakland Army Base, Port of Oakland** (May 2008): Prepared Project Description, Initial Study and Changed Circumstances Evaluation. Conducted demand and capacity analyses of each development project in relation to overall Port of Oakland operational schemes and development time frame in support of planned operational configurations and project implementation. Operational configurations included plans for terminal expansion and new intermodal rail development.

**Updating Container Demand Forecast for Panama Canal, Panama Canal Authority (CPA)** (Jan-Feb. 2008): Completed the North American Ports Capacity and Capital Expenditures Analysis to support overall system performance estimates based on a carrier shipping route choice model and consideration of the capacity and operating impacts associated with planned expansion of the Panama Canal. Modeling demonstrated likely modifications in the shipping patterns between WC-intermodal and All-Water via Panama Canal routes given improved canal capacities.

**Buyer-side Technical Due Diligence of Port and Marine Terminal Facilities in North America, Latin America and the International Container Terminal (SSA), a Green Field container terminal development in Southern region of Vietnam, Ontario Teacher Pension Fund (OTPF)** (Oct.-Nov. 2007): Developed container terminal throughput capacity assessments, and demand forecasts for 16 marine and inland intermodal terminal facilities operated by Stevedoring Services of America (SSA) in North America, Latin America (Chile, Panama and Mexico), and a greenfield terminal development project in southern Vietnam.

**Buyer-side Technical Due Diligence of Marine Terminal Facilities in the United States and Canada, RREEF, Deutsche Bank's Asset Management**, (Feb.-March 2007): Led the development of container terminal throughput capacity assessment and forecasts on 2 container terminals in New York – New Jersey Harbor and Prince Rupert, British Columbia. Play a key role in conducting technical reviews of asset condition assessments, operational efficiency and capacity analysis and future expansion opportunities of these terminals.

**Lenders' Independent Technical Advisor for development of The Saigon Premier Container Terminal (SPCT, operate by Dubai Port World), Southern Vietnam** (January 2007): Vietnam Freight Infrastructure Analysis, responsible for the analysis of local freight infrastructure and logistics conditions and capacities. Proposed measures to address local issues that could affect construction cost and scheduling of the facility.

**Container Terminal Demand and Capacity Evaluation and Forecast, Ontario Teacher Pension Fund (OTPF)** (2006): Due diligence for terminal facility acquisition bid by client for existing container terminal and intermodal rail operations in Vancouver, Canada, and N.Y./N.J. Responsible for evaluating actual physical capacity and potential capacities for in-place facilities and operations, prepared forecasts of terminal capacity and demand potential based on physical expansion plans and operational improvements. Client acquisition of facilities was successfully completed on the basis of this analysis.

### Selected Publications

#### **Refereed Journal Papers**

Hanh D. Le-Griffin (Co-Author, 2016) “Greenhouse Gases from Ships in Port Cities – A Comparative Study of Ports in Australia, Europe, Japan and U.S.A.,” *Transportation Research Journal*, Elsevier Publisher.

Hanh D. Le-Griffin (2011) “Impact of Container Chassis Management Practices in the United States on

Terminal Operational Efficiency: An Operations and Mitigation Policy Analysis,” *Research in Transportation Economics (RTE)*, Elsevier Publisher.

Hanh D. Le-Griffin (2009) “Managing Empty Container Flows through Short Sea Shipping (SSS) and Regional Port System,” *International Journal of Shipping and Transport Logistics (IJSTL) Vol. 2, No. 1, 2010, 59-75*

Andres Tolli and Hanh D. Le-Griffin (2009) “Reducing Empty Container Flows by Promoting Baltic and Russian’s Wastepaper Export to China,” *Latvia Transport and Telecommunication Institutes, Volume 9, No 4, 32–37*

Hanh D. Le-Griffin (2008) “Re-engineering Empty Container Logistics with the Use of Collapsible Containers: A Conceptual Approach,” Forthcoming in the *International Journal of Logistics and Management*.

Hanh Dam Le (2005) “Urban Transportation and Environment in Southern California, U.S.A.,” Chapter 5 in *Urban Transportation and Environment: An International Perspective*, Elsevier Publisher, 2005

Le Dam Hanh (2003) “Trade Imbalance and the Structure of Global Logistics of Empty Container,” *Institute for Transport Policy Studies, Tokyo, Japan. Research Series (Fall 2003 Edition)*

Le Dam Hanh (2001) "Container Port Development in Asia: Changes, Challenges and Future Trends," (2001) *Journal of the Eastern Asia Society for Transportation Studies (EASTS)*, 4(1): Land, Water and Air Transportation, pp. 339-353.

Le Dam Hanh (1999) "'Doi Moi' and Vietnam’s Regional Development Policy: Policy Framework and Its Application," (November 1999) Invited Paper, *Journal of Regional Development*, Special Issue on Regional Development in Asian: Current Situation and Future Perspectives, pp. 150-165 (in Japanese).

Le Dam Hanh (1995) "Generalized Extreme Value (GEV) Models and Nested Logit (NL) Models in the Context of Neo-Classical Consumer Theory," (1995) *Journal of Infrastructure Planning and Management*, No. 506/IV-26, pp. 129-136. Received the Best Paper Award from the Japan Society for Civil Engineering (JSCE).

Tetsuo Kidokoro and Le Dam Hanh (1995) Improving Traffic Conditions and Environmental Quality in Developing Countries with a Focus on Non-Motorized Transport: Case Studies of Yoyakarta (Indonesia), China, and Hanoi (Vietnam)," *United Nations Centre for Regional Development Research Report Series No. 14*, Special Issue on Regional Development Planning and Management Techniques, pp.112-142.

Le Dam Hanh (1994) Logit Models and Gravity Models in the Context of Consumer Behaviors Theory, (1994). *Journal of Infrastructure Planning and Management* No.488/IV-23, pp.111-119.

Tetsuo Kidokoro and Le Dam Hanh (1993) "Urban Explosion and Transport Crisis in Asian-Mega Cities,” Invited Paper (1993). *Journal of the International Association for Traffic and Transport Safety*, IATSS Research Vol.17 No.1, pp.6-13.

Le Dam Hanh (1991) "A Benefit Measurement Model of Newly Introduced Transport Facilities," (1991) *Journal of Infrastructure Planning and Management*, Vol.3, Japan.

### **Refereed Conference Papers and Research Reports/Presentations**

Hanh D. Le-Griffin (2015) “Impacts of Landside Logistic Systems and Facilities to port Operational Efficiency and Commercial Competitiveness” Discussion at the 5<sup>th</sup> Asia Ports and Connectivity Conference, October 2015 in Singapore.

Hanh D. Le Griffin (Co-Author) (2015) “Greenhouse gases from ships in port cities - a comparative study of four ports in Australia, Europe, Japan and USA” Accepted for presentation at the World Conference on Transport Research, Shanghai 2016.

Hanh D. Le-Griffin and Tom O’Brien (2010) “Simulations of the Impact of Chassis Pool on Terminal Operations and Port’s Truck and Equipment-Related Emission Reductions,” Research Report, *Center for Metropolitan Transportation Research (METRANS)*.

Darin Goldstein and Hanh D. Le-Griffin (2009) “Emergency Traffic Management Tool for the Los Angeles and Long Beach Harbor Area: Development of a Cooperative Game-based Approach for Emergency Vehicular Routing,” Research Report, *Center for Metropolitan Transportation Research (METRANS)*.

Hanh D. Le-Griffin (2007) “Assessing Container Terminal Productivity for the Ports of Los Angeles and Long Beach: International Comparative Analysis,” Research Report, *Center for International Trade and Technology (CITT) and National Center for Metropolitan Transportation Research (METRANS)*.

Michel Savy and Hanh D. Le-Griffin (2006) “Freight and Universalization: A Tricontinental Approach,” *Sponsored by University Paris 12 –Val de Marne Research Center, University Paris 12*, Published in French “Fret ET Mundialization: Une Approche Tricontinentale,” International Collaboration Research Project Report, November 2006.

Hanh D. Le-Griffin and James E. Moore (2006) “Landside Surface Transportation Impact of Short Sea Shipping in Southern California,” Research Report, *National Center for Metropolitan Transportation Research (METRANS)*.

Hanh D. Le-Griffin (2005) “Integrating Maritime Transportation Movement with the Urban Transportation System (UTS): A Corridor-Centered Approach,” Research Report, *USC Sea Grant Foundation*.

John H. Wang and Hanh Dam Le (2003) “Collaborative Goods Movement in Southern California: Information Technology for Supply Chain Management,” (Co-author), *8<sup>th</sup> International Conference in Urban Planning and Urban Management*, Japan (May, 2003). Reviewed Paper, <http://rs.civil.tohoku.ac.jp/~cupum03>

Le Dam Hanh (2002) "The Logistics of Empty Cargo Containers in the Southern California Region: Are Current International Logistics Practices a Barrier to Rationalizing the Regional Movement of Empty Containers," Research Report, *National Center for Metropolitan Transportation Research (METRANS)*.

### **Papers in unrefereed journals, conference proceedings, and magazines as first author**

“Seismic Mitigation Analysis for Port Systems,” *Network for Earthquake Engineering Simulation (NEES) Workshop*, Georgia Technology Institute, February 2009.

“Growing through Productivity: Constraints and Opportunity for the Port of Los Angeles and Long Beach” *The 2<sup>nd</sup> National Urban Freight Conference*, December 5-7, 2007.

“Enhancing Chinese Container Flow through Estonia by Promoting Baltic Countries’ Wastepaper Export,” *The 7<sup>th</sup> International Conference on Reliability and Statistics in Transportation and Communication*. Co-author with Andres Tolli, Institute of Roads, Tallinn University of Technology, Estonia. October 2007 Rita, Latvia

“Short Sea Shipping and the Needs for Regional Port Policy” *PATH Conference on Urban Freight Transportation*, Institute of Transportation Center, Berkeley, Oct 25-29, 2007

“Managing Empty Container Flow through Short Sea Shipping and Regional Port System” *World Conference for Transportation Research Society (WCTRS)*, Berkeley University, July 2007.

“Implication of Short Sea Shipping in Regional Port System in Southern California” National Transportation Research Board, *TRB Annual Summer Conference*, Poster Session, California, July 2006.

“Integrated Short Sea Shipping Service and Regional Port System: Conceptual Regional System Operation Approach,” *the 1<sup>st</sup> National Urban Freight Conference*, Long Beach February, 2006.

“Assessing Container Terminal Productivity: International Comparison,” *the 1<sup>st</sup> National Urban Freight Conference*, Long Beach, February 2006.

“Trade Imbalance and the Efficient Allocation of Empty Container: A Global Logistics Perspective” *Institute for Transport Policy Studies*, Tokyo, Japan. Research Series Fall 2003, pp.7-18 (in Japanese)

"Container Port Development in Asia: Changes, Challenges and Future Trends," *The 10<sup>th</sup> Transport Policy Studies Symposium Proceedings*, Tokyo, Japan. (December, 2001)

"Port Competition in the Era of Mega-ship" *Joint Transport Policy Studies Conference between The Netherlands Research School for Transport, Infrastructure and Logistics (TRAIL) and The Institute for Transport Policy Studies, Conference Proceedings*, Nagasaki, Japan. (October, 2000)

"Economic Impacts of Marine Port in the Era of Mega-ship," *The 7<sup>th</sup> Transport Policy Studies Symposium Proceedings*, Tokyo, Japan. (May, 2000)

"Port Network Development in Asia: Strategic Consideration for Systemic Container Port Development," *The 5<sup>th</sup> Transport Policy Studies Symposium Proceedings*, Tokyo, Japan. (May, 1999)

"New Challenges to Economic Development Projects in Asian," *Transport No.3*, Special Issue on International Cooperation (in Japanese), pp.46-49. (March, 1999)

"Aid Effective and Recipient Readiness: An attractive Environment for the Mobilization of Private Resources in Transport Infrastructure Development Projects," *The 8<sup>th</sup> World Conference on Transport Research*, Anwept, Belgium. (July, 1998)

"Project Evaluation: Japanese ODA and Transport Infrastructure Development Projects in Asia," *Infrastructure Development Institute Report Series*. (December 1998)

"Hanoi Revitalization Plan: A Conceptual Project," *International Study Report*, School of Policy, Planning and Development, University of Southern California. (Summer1997)

"Travel Demand Modeling in the Context of Classical Consumer Behavior Theory" *The 7<sup>th</sup> World Conferences on Transport Research, Conference Proceedings*, Sydney, Australia. (1996)

"The Logit Model and Its Extensive Study in the Context of Consumer Behavior Theory," *15<sup>th</sup> Infrastructure Planning and Management Conference Proceedings*, Tokyo, Japan. (1992)

"A New Approach to Derivation of the Logit Model and Its Implications," *14<sup>th</sup> Infrastructure Planning and Management Conference Proceedings*, Nagoya, Japan. (1991)

### **Additional Selected Presentations**

“The Feasibility of Short Sea Shipping in the West Coast of the United State,” *METRANS Research Conference*, February 2005

“The Implication of Short Sea Shipping in Southern California” *Transportation Research Board, 7<sup>th</sup> Marine Transportation System Research and Technology Coordination Conference*, November 2005,

Washington, D.C.

"Container Port Development in Asia: Policy Considerations to Improve Goods Movement," *Eastern Asia Society for Transportation Studies Conference*, Hanoi, Vietnam. (October 2001)

"Impact of Ports on Local Economic Development: Policy Considerations," (January 8-11, 2001) *81<sup>st</sup> Annual Meetings of the Transportation Research Board*, Washington, DC.

"Classical Consumer Behaviors Theory in Travel Demand Modeling," (1996) *Western Regional Science Association (WRSA) Conference*, Napa Valley, CA.

### **Computer Skills**

Programming Languages: C++, JAVA, Visual Basic

Standard Applications: MSWord, Excel, PowerPoint, PageMaker, Adobe Photoshop and Illustrator

Specialized Applications: TRANCAD, FlexSim System Operation Simulation, JMP, MATLAB, Visio Professional, Access Database, Webpage Design

### **Language Skills**

Vietnamese (native), English (fluent in reading, writing, and speaking), Japanese (fluent in reading, writing and speaking), Spanish (beginner, daily conversion).

### **Academic Referee /Reviewer Activities**

Journal of American Society of Civil Engineers (ASCE), Academic Reviewer

Transportation Research Board (TRB), Academic Reviewer

Journal of the Eastern Asia Society for Transportation Studies (EASTS). International Scientific Review Committee (JAPAN), Regular Referee

Transport, Infrastructure and Logistics (TRAIL), Delft University of Technology. International Scientific Review Committee (The Netherlands), Occasionally

International Journal of Management (JOM), Occasionally

### **External Research Committees**

International Scientific Committee (ISC), Eastern Asia Society of Transportation Studies (EASTS)

Committee member of Port and Channel Committee, Transport Research Board (TRB) since 2001

### **Academic and Professional Associations**

American Society of Civil Engineers (ASCE)

The World Conference on Transport Research Society (WCTRS)

Transportation Research Board (TRB)

Japan Society of Civil Engineering (JSCE)

Pacific Rim Council for Urban Development (PRCUD)