



DANIEL L. MABAZZA
Associate Professor 4

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I. EDUCATION

Doctor of Engineering, Major in Civil Engineering, Muroran Institute of Technology, Hokkaido, Japan
Master of Engineering, Major in Transportation, Hiroshima University, 2003
Master of Arts in Urban and Regional Planning, Major in Transportation Planning, University of the Philippines Diliman, 1998
BS Economics, University of the Philippines Diliman, 1996
BS Geography, University of the Philippines Diliman, 1995

II. TEACHING: Courses Taught

Geog 1	Places and Landscapes in a Changing World
Geog 109	Quantitative Methods in Geographic Analysis
Geog 111	Resource, Use, Management and Conservation
Geog 119	Geography of Movement
Geog 131	Geography of the Philippines
Geog 135	Urban and Rural Geography
Geog 143	Geography of Asia
Geog 145	Geography of the Pacific
Geog 151	Geography of Europe
Geog 183	Transportation Geography
Geog 192	Field Methods in Geography
Geog 235	Geography of Southeast Asia
SEA 30	Southeast Asian Emporium
Japan Studies 100	Japan Studies I
Japan Studies 101	Japan Studies II
Social Science I	Foundations of Behavioral Science I

III. RESEARCH PROJECTS

Research project title: All-Weather Urban Corridors for the City of Iloilo, Philippines

Duration of the project (inclusive dates): October 2013 – August 2014

Objectives: The main idea behind the project is a clear identification of a series of flood-free roads as a response to climate change. The target is to ensure that roads will be all-weather in connecting the north to south and east to west corridor of the City of Iloilo. Ensuring that the sea port/s to the marketplace and the airport to the commercial place are connected and flood-free are vital in maintaining the growth and success of the urbanization process the city is undergoing which growing dominantly in the tertiary sector or industry.

Research type: Project

Research project title: Modelling of Asia-Pacific Airline Networks and Establishment of Airports Hub-and-Spoke System

Duration of the project (inclusive dates): October 2009 to March 2013

Objectives: To draw an Asia-Pacific network of airlines that will be congruent to the optimal establishment of hub-and-spoke system in Asia Pacific. The following are the three themes of the research: airport fiscal operations and management, airlines operations, including low-cost carriers, and their impacts on the network, and the sustainability of airport management through the analysis of the network of its social capital.

Research type: PhD dissertation

Research project title: Towards a Framework Relating Network Design to Inter-Alliance Competition

Duration of the project (inclusive dates): July 2010 to June 2011

Objective: To solve an airline alliance design problem as a repeated game of multiple learning actors by Genetic Algorithm (GA) method. The objective is draw the best strategy using GA how airlines will build a network through a network design problem, airlines as actors on a virtual network which will become a subject of repeated game. The scenario will draw conclusions on strategies airlines and alliances will employ in the future.

Research type: Mini-Dissertation

IV. SELECTED PUBLICATIONS

Kikuchi, K., Mabazza, D.L., Shitamura, H., and Tamura, T. (2010) The Effects of Public Transport Services Improvement in the Formation of Compact Cities, *Journal of the Japan Society of Traffic Engineers (JSTE)*, Vol. 30, pp. 293-296.

Mabazza, D., Kikuchi, K., Arimura, M., and Tamura, T. (2010). Study on the Effects of Free Charge of Expressways on Population Movement, *Journal of the City Planning Institute of Japan*, Vol. 45 (3), pp. 121-126.

Mabazza, D.L. (2006). Using Graph-Theoretic Measures in Analyzing Australian, East Asian and Southeast Asian Airline Networks, *Philippine Geographical Journal*, Vol. 50 (1-4), pp. 25-48.

Bowen, J.T., Leinbach, T.R., and Mabazza, D.L. (2002). Air Cargo Services, The State and Industrialization Strategies in the Philippines: The Redevelopment of Subic Bay, *Regional Studies*, Vol. 36 (5), pp. 451-467.

Mabazza, D.L. (1999). The Impact of Public Infrastructure on Regional Income Disparities, *Philippine Planning Journal*, Vol. XXXI, October 1999.

V. PAPERS PRESENTED IN CONFERENCES

"The Effects Of Public Transport Services Improvement In The Formation Of Compact Cities," 21st Annual Conference of the Transportation Science Society of the Philippines (TSSP), Cebu City, Philippines, 9 August 2014. [Author/Presenter]

"Efforts Towards the Privatization Trend in Japan's Regional Airports," 71st Transport Studies Conference Of The Japan Society of Transport Economics (Jste), Tokyo, Japan, 6-7 October 2011. [Author/Presenter]

"Moving Bangkok Forward: The New BRT," 2011 Regional Geographic Conference Of The International Geographical Union (IGU), Santiago, Chile, 14-18 November 2011. [Panel Chair/Author/Presenter]

"The Possibility of Operating Smaller Aircrafts in Japanese Skies," 15th Annual Conference of the Air Transport Research Society (ATRS), Sydney, Australia, 29 June – 2 July 2011. [Author/Presenter]

"Ownership Forms And Their Effects On Airport Performance," 2010 Autumn Conference of the Japan Society of Civil Engineers (JSCE), Kofu, Yamanashi, Japan, 21-23 November 2010. [Author/Presenter]

"Asset Management Strategy of a Regional Airport," 65th Annual Scientific Conference of the Japan Society of Civil Engineers (JSCE), Sapporo, Hokkaido, Japan, 1-3 September 2010. [Author/Presenter]

"Asset Management Strategy of a Regional Airport," 14th Air Transport Research Society (ATRS) Conference, Porto, Portugal, 6-9 July 2010. [Author/Presenter]

"Asset Management Strategy of a Regional Airport," 2010 Spring Conference Of The Japan Society Of Civil Engineers (JSCE), Nagoya, Aichi, Japan, 5-6 June 2010. [Author/Presenter]

"Asset Management Strategy of a Regional Airport," Winter Conference Of The Hokkaido Division of The Japan Society Of Civil Engineers (JSCE), Sapporo, Hokkaido, Japan, 5-6 February 2010. [Author/Delegate]

"A Study on the Classification of Traffic Congestion Trends Using Data Mining Method," Japan-China 2009 Winter Road Transportation Workshop, November 2009. [Author/Delegate]

"Using Graph-Theoretic Measures In Analyzing Australian, East Asian and Southeast Asian Airline Networks," Session Panel 4e: Issues In Transport Geography, 2008 International Conference of the Southeast Asian Geography Association (SEAGA), Quezon City, Philippines, 3-6 June 2008. [Presenter]

"Using Graph-Theoretic Measures In Analyzing Australian, East Asian And Southeast Asian Airline Networks," Session 4504: The Friendly Skies And The Earth Below, 2008 Annual Meeting of the Association of American Geographers (AAG), Boston Marriot Copley Place, Boston, Massachusetts, USA, 15-19 April 2008. [Author/Presenter]

"Using Graph-Theoretic Measures in Analyzing Australian, East Asian And Southeast Asian Airline Networks," 14th Annual Conference of the Transportation Science Society of the Philippines (TSSP), Grand Men Seng Hotel, Davao City, Philippines, 25-26 August 2006. [Author/Presenter]

"Analyzing Mindanao Road Network," 14th Annual Conference of the Transportation Science Society of the Philippines (TSSP), Grand Men Seng Hotel, Davao City, Philippines, 25-26 August 2006. [Co-Author]

"The Geography of Overseas Filipino Workers and Air Transport," Session 1521: Labor Issues, 101st Annual Meeting of the Association American Geographers, Adam's Mark Hotel, Denver, Co, USA, 4-9 April 2005. [Author/Presenter]

"Development of Methodology for Analyzing Travel Patterns in a Developing Country," 12th Annual Conference Of The Transportation Science Society of the Philippines (TSSP), Cebu Waterfront Hotel, Mactan, Cebu, 23 July 2004. [Author/Presenter]

"An Analysis of Travel Activity Patterns in a Developing Country: The Case of Metro Manila," Session D6-1107: Travel And Shipper Behaviour Research, 10th World Conference Of Transport Research (WCTR), Lufti Kirdar Convention And Exhibition Centre, Istanbul, Turkey, 12-15 August 2004.

“The Impact of Public Infrastructure on Regional Income Disparities,” Session G4-01: The Role of Transport for Economic Development – I, 9th World Conference of Transport Research (WCTR), Convention and Exhibition (COEX) Center, Seoul, South Korea, 22-27 July 2001. [Author/Presenter]

“The Impact of Public Infrastructure on Regional Income Disparities,” Workshop on Migration Research in the Philippines, The Current Situation and Research Perspectives, UP NCTS, UP Diliman, Quezon City, 19 March 1999. [Author/Presenter]

“The Impact of Public Infrastructure on Regional Income Disparities,” 6th Annual Conference of the Transportation Science Society of the Philippines (TSSP), Holiday Inn, Clark, Pampanga, 21 August 1998. [Author/Presenter]

“Public Infrastructure (Economic And Social) and Regional Income Disparity in the Philippines,” The Second Regional Symposium on Infrastructure Development in Civil Engineering, Traders Hotel, Manila, Philippines, 20-21 February 1998. [Author/Presenter]