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# **CURRICULUM VITAE**

## **ALMAS HESHMATI**

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### **PERSONAL:**

Citizenship: Swedish  
Born: Kurdish  
Sex: Male

### **LANGUAGES:**

Swedish, English, Kurdish, Persian

### **EDUCATION:**

Doctor of Economics (in Econometrics), Gothenburg University, May 1994.  
B.Sc. in Business Administration and Economics, Uppsala University, 1984.

### **EMPLOYMENT:**

Mar. 2014-Present	Professor of Economics, Jönköping International Business School, Jönköping, Sweden.
Mar. 2013-Aug 2019	Professor of Economics, Department of Economics, Sogang University, Seoul, Korea.
Mar. 2010-Feb 2013	Professor of Applied Economics, College of Life Sciences and Biotechnology, Korea University, Seoul, Korea.
Sept. 2008-Feb 2010	Professor of Economics, Technology, Management, Economics and Policy Program, College of Engineering, Seoul National University, Seoul, Korea.
Dec. 2007-Aug. 2008	Professor of Economics, University of Kurdistan Hawler, The Federal Region of Kurdistan, Iraq.

- Sept. 2006-Nov. 2007 Professor of Economics, Head of Department of Economics and Finance and Director for Postgraduate Studies, University of Kurdistan Hawler, The Federal Region of Kurdistan, Iraq.
- February 2005 Special Chair in Economics 2005, Institute for Development Policy and Management, University of Antwerp (IDPM/UA), Antwerp, Belgium.
- Sep. 2004-Aug. 2006 Visiting Professor of Economics, Techno-Economics and Policy Program, College of Engineering, Seoul National University, Seoul, Korea.
- Jan. 2004-Aug. 2004 Professor of Economics, MTT Agrifood Research Institute, Helsinki, Finland.
- Sept. 2001-Dec. 2003 Research Fellow, The United Nations University, World Institute for Development Economics Research, UNU/WIDER, Helsinki, Finland.
- Aug. 1998-Sept. 2001 Research Fellow, Stockholm School of Economics, Stockholm, Sweden.
- July 1994-July 1998 Research Fellow, Department of Economics, Gothenburg University, Gothenburg, Sweden.
- July 1994-Dec. 1998 Research Fellow, Center for Public Sector Research, Gothenburg University, Gothenburg, Sweden.
- July 1994-June 1998 Lecturer, Department of Economics, Gothenburg University, Gothenburg, Sweden
- July 1995-June 1996 Lecturer, Jönköping International Business School, Jönköping University, Jönköping, Sweden.
- July 1993-June 1994 Assistant Professor, Department of Economics, Gothenburg University, Sweden.
- July 1990-June 1993 Doctoral Scholarship, Department of Economics, Gothenburg University, Sweden.
- July 1988-June 1990 Postgraduate Scholarship, Department of Economics, Gothenburg University, Sweden.

## **FELLOWSHIPS:**

- March 2017-Present Research Fellow, Global Labor Organization (GLO), Maastricht, The Netherlands.
- April 2012-Present Research Fellow, Economic Research Forum (ERF), Cairo, Egypt.
- Jan. 2004-Present Research Associate, Center for Excellence for Science and Innovation Studies (CESIS), Royal Institute of Technology (KTH), Stockholm, Sweden.
- April 2001-Present Research Fellow, Institute for the Study of Labor (IZA), Bonn, Germany.
- Jan. 2006-Aug. 2008 Research Associate, The RATIO Institute, Stockholm, Sweden.
- Feb. 2002-Dec. 2004 Research Professor, German Institute for Economic Research (DIW), Berlin, Germany.
- Jan. 1999-June 2003 Research Fellow, Service Research Forum, Univ. College of Gävle, Sweden.

## **MAJOR FIELDS OF INTEREST:**

Agricultural Economics, Industrial Economics, Applied Microeconomics, Applied Micro-econometrics, Panel Data Analysis, Labour Studies, Income Inequality, Poverty, Well-being, Globalization, Development Economics, Economics of Energy and Environment, Green Economics, Circular Economy, Sustainable and Smart Development, Economics of Education, Foreign Direct Investment, Dynamics of Capital Structure, Firm Dynamics, Economics of Innovation, Economics of Technology, Economics of Information and Communication Technology, Industrial Technology Policy, Technology Transfer, Performance (Efficiency, Productivity and Growth) Studies with applications to various private and public sectors producers of goods and services.

## **RESEARCH GRANTS:**

Asian Development Bank Institute (ADBI), Urbanization in Asia; Economics and Social Consequences, September-December 2016.

Swedish Entrepreneurship Forum, Circular Economy - A Sustainable Development Strategy, March-September 2015.

Asian Development Bank (ADB), Fiscal Policy and Inclusive Growth in Advanced Countries: Their Experience and Implications for Asia, February-June 2014.

Asian Development Bank (ADB), Drivers of Poverty Reduction in Asia and the Pacific, July 2013-December 2014.

Asian Development Bank (ADB), Analysis of Poverty in India, October-December, 2012.

The Korea Energy Economics Institute (KEEI), Environmental Impacts of Foreign Direct Investment to Korea, 2011.

The Korea Electric Power Corporation (KEPCO), Analysis of Consumer Baseline and Electricity Demand Response in Korea, 2010.

The Korea Electric Power Corporation (KEPCO), Performance of Electricity Generation Sector in Korea, 2009.

The Federal Region of Kurdistan, Ministry of Water Resources, Integrated Management of Water Resources in Kurdistan Region, 2008.

The Swedish National Social Insurance Board (RFV), Sharing Pension among Married Couples in Sweden, 2000-2001.

Service Research Forum (TjänsteForum), Quality of Intermediate and High School Education in Sweden, 1999-2001.

The Swedish Council for Research in Humanities and Social Sciences (HSFR), Performance in Swedish Manufacturing and Service Industries, 1998-2000.

The Center for Public Sector Research (CEFOS), Intermediate and High School Education in Sweden, 1994-1998.

The Swedish Council for Forestry and Agricultural Research (SJFR), Performance in Swedish Agriculture, 1993/4-1995/6.

## **VISITING RESEARCHER:**

University of Kurdistan Hawler, Erbil, Kurdistan Region, July 2019.

Department of Economics, Binghamton University, USA, November 2014.

International Energy Policy Program, College of Engineering, Seoul National University, June 2014.

Department of Economics, Binghamton University, USA, February 2014.

Department of Economics, Emory University, Atlanta, Georgia, USA, February 2013.

Ministry of Agriculture and Water Resources, Kurdistan Region, Iraq, January 2013.

Department of Economics, Binghamton University, USA, February 2012.

University of Kurdistan Hawler, Kurdistan Region, January 2012.

National University of Mongolia, School of Economic Studies and Ministry of Education, Government of Mongolia, Ulaanbaatar, Mongolia, February 2011.

Soran University, Kurdistan Region, January 2011.

American University of Armenia, School of Business and Management, August 2010.

European Commission, Directorate General, Economics and Financial Affairs, Visiting Fellows Programme, February 2010.

Centre of Excellence for Science and Innovation Studies, Royal Institute of Technology, January 2010.

Department of Economics, Gothenburg University, January 2010.

Department of Economics, Binghamton University, USA, August 2009.

Centre of Excellence for Science and Innovation Studies, Royal Institute of Technology, April 2009.

Ministry of Water Resources, Federal Region of Kurdistan, Hawler, January-February 2009.

Technology Management, Economics and Policy Program, College of Engineering, Seoul National University, March 2008.

Technology Management, Economics and Policy Program, College of Engineering, Seoul National University, July-August 2007.

Government Institute for Economic Research, VATT, Helsinki, Finland, January 2006.

Department of Economics and Department of Quantitative Economics, Dongbei University of Finance and Economics, Dalian, China, April 2005.

German Institute for Economic Research (DIW), Berlin, Germany, July 2001

University of St. Gallen, St. Gallen, Switzerland, October 1999.

University of Gothenburg, Gothenburg, Sweden, June 1999, June 2000, August 2001.

University of Salerno, Salerno, Italy, April 1999.

Southern Methodist University, Dallas, USA, December 1996, October 2000.

University of Texas at Austin, Austin, USA, short periods during 1992 to 1997.

## PUBLICATIONS

### A. Doctoral Thesis

Heshmati A. (1994), Estimating Technical Efficiency, Productivity Growth and Selectivity Bias Using Rotating Panel Data: An Application to Swedish Agriculture, Department of Economics, Gothenburg University, Doctoral Thesis No. 50, May 1994. Principal Advisor: Professor Anders Klevmarcken, Sweden. Discussant: Professor Peter J. Schmidt, Department of Economics, Michigan State University, USA.

### B. Papers in Refereed Journals

Bersisa, M. and A. Heshmati (2021). A Distributional Analysis of Multidimensional Poverty and Inequalities in Ethiopia. *Social Indicators Research*, forthcoming. (SSCI)

Han J. and A. Heshmati (2021). Innovation and SMSs Patent Propensity in Korea. *International Journal of Entrepreneurship and Small Business*, 42(1/2), 51-68.

Kumbhakar, S.C., J. An, M. Rashidghalam and A. Heshmati (2020). Efficiency in Reducing Air Pollutants and Healthcare Expenditure in the Seoul Metropolitan city area. *Environmental Science and Pollution Research*, forthcoming. (SCIE)

Demir, A.T. Budur, H.M. Omer and A. Heshmati (2020). Links between Knowledge Management and Organizational Sustainability: Does the ISO 9000 certification have an effect? *Knowledge Management Research & Practice*, forthcoming. (SSCI)

Maasoumi, E., A. Heshmati and I. Lee (2020). Green Innovations and Patenting Renewable Energy Technologies in OECD. *Empirical Economics*, forthcoming. (SSCI)

Berisso, O. and A. Heshmati (2020). Farm-Heterogeneity and Persistent and Transient Productive Efficiencies in Ethiopia's Smallholder Cereal Farming, *IZA Journal of Development and Migration*, forthcoming.

Yoon, H. and A. Heshmati (2020). Do Environmental Regulations Effect FDI decisions? The Pollution Haven Hypothesis Revisited. *Science and Public Policy*, forthcoming. (SSCI)

Demir, A., T. Budur, and A. Heshmati (2020). Antecedents of Trust, Corporate Image, and Switching Costs: A Case in Telecommunication Services in Kurdistan Region of Iraq. *International Journal of Mobile Communication*, forthcoming. (SSCI)

Han, J., A. Heshmati and M. Rashidghalam (2020). Circular Economy Business Models: With a focus on Servitization. *Sustainability*, 12(21):8799, 1-17. (SSCI)

Muhamad, G.M., A. Heshmati, and N.T. Khayyat (2020). The Dynamic of Private Sector Development in Natural Resources Dependent Countries. *Global Economic Review*, 49(4), 396-421. (SSCI)

Jeon, S., M. Roh, S. Kim, A. Heshmati and S. Kim (2020). Assessment of Corporate Average Fuel Economy Standards for Passenger Cars in South Korea Focusing on Substitution Effect. *energies*, 13(16), 4533, 1-13. (SCIE)

Roh, M., S. Jeon, S. Kim, S. Yu, A. Heshmati, S. Kim (2020). Modeling Air Pollutant Emissions from Provincial Level Road Transportation Sector of Korea: A Case Study of Zero-Emission Vehicle Subsidy. *energies*, 13(15), 1999, 1-21. (SCIE)

- Tsoy, L. and A. Heshmati (2020). Impact of Financial Crises on Dynamics of Capital Structure: Evidence from Korean Listed Companies. *Singapore Economic Review*, 65(2), 423-445. (SSCI)
- Kebede, S.G. and A. Heshmati (2020). Energy Use and Labor Productivity in Ethiopia: The Case of Manufacturing Industry. *energies*, 13, 2714, 1-21. (SCIE)
- Lee, I. and A. Heshmati (2020). Estimating the Older People's Labour Supply Decisions in Korea. *Society and Economy*, 42, 39-58.
- Zheng, X. and A. Heshmati (2020). An Analysis of Energy Use Efficiency in China by Applying Stochastic Frontier Panel Data Models. *energies*, 13, 1892, 1-17. (SCIE)
- Sarkhosh, A., M. Tavassoli and A. Heshmati (2020). Assessing the Sustainability of High-, Middle-, and Low-Income Countries: A Network DEA Model in the Presence of both Zero Data and Undesirable Outputs. *Sustainable Production and Consumption*, 21, 252-268.
- Heshmati, A. and M. Rashidghalam (2020). Measurement and Analysis of Infrastructure and its Effects on Urbanization in China. *Journal of Infrastructure Systems*, 26(1), March. (SCIE)
- Lee, J.D. and A. Heshmati (2020). Introduction to APPC-2018 Special Issue Novel Applications of Efficiency and Productivity Analyses in the Asia-Pacific Region. *Journal of Productivity Analysis*, 53(1), 1-3. (SSCI)
- Heshmati A. and M. Rashidghalam (2020). Estimation of Technical Change and TFP Growth based on Observable Technology Shifters. *Journal of Productivity Analysis*, 53(1), 21-36. (SSCI)
- Khraief, N., M. Shahbaz, A. Heshmati and M. Azam (2020). Are Unemployment Rates in OECD Countries Stationary? Evidence from Univariate and Panel Unit Root Tests. *North American Journal of Economics and Finance*, 51 (January), 10838, 1-15. (SSCI)
- Park Y. and A. Heshmati (2019). The Effects of Labor Market Characteristics on Women's Poverty in Korea *Economies*, 7(4), 110, 1-16.
- An, J. and A. Heshmati (2019). The Relationship Between Air Pollutants and Healthcare Expenditure: Empirical Evidence from South Korea. *Environmental Science and Pollution Research*, 26(31), 31730-31751. (SCIE)
- Heshmati A., E. Maasoumi and G. Wan (2019). Analysis of the Determinants of Household Consumption Expenditure and Poverty in India. *Economies*, 7(4), 96, 1-27.
- Padhan, H., I. Haouas, B. Sahoo and A. Heshmati (2019). What Matters for Environmental Quality in the Next-11 Countries: Economic Growth or Income Inequality? *Environmental Science and Pollution Research*, 26(22), 23129-23148. (SCIE)
- Heshmati A. and J.S. Kim and J. Wood (2019). A Survey of Inclusive Growth and Policy. *Economies*, 7, 65, 1-18.
- Lee, T. and A. Heshmati (2019). The role of education for the development of environmental protection: a case for Korea. *Sociology International Journal*, 3(3), 244-252.
- Yoo, S. and A. Heshmati (2019). The Effects of Environmental Regulations on the Manufacturing Industry's Performance: A Comparison of Green and Non-Green Industries in Korea. *energies*, 12(12), 1-14. (SCIE)
- Heshmati, A. and H. Yoon (2019). The Economics of South Korean Demographics. *Georgetown Journal of International Affairs*, January 06, 2019, pp. 1-5.

- Rashidghalam, R. and A. Heshmati (2019). A Comparison of Different Full and Partial Non-Parametric Frontier Models for Measuring Technical Efficiency: With an Application to Iran's Cotton Producing Provinces. *Journal of Agricultural and Crop Research*, 7(6), 82-94.
- Heshmati, A. (2018). Causality between GDP and Health Care Expenditure in the Augmented Solow's Growth Model. *UKH Journal of Social Sciences*, 2(2), 19-30.
- Ndagijimana, J., T. Nzasingizimana, and A. Heshmati (2018). An Analysis of the Determinants of Youth Employment in Rwanda. *UKH Journal of Social Sciences*, 2(2), 1-10.
- Rahimpour M., A. Heshmati and H.R. Pasandideh (2018). Measurement and Comparison of Industrial Infrastructure of SMEs among Iranian Provinces. *International Journal of Economics and Management Studies*, 1(3), 7-26.
- Tausch A. and A. Heshmati (2018). The Effects of Globalization on the Environment. *UKH Journal of Social Sciences*, 2(1), 25-40.
- Heshmati A. (2018). An Empirical Survey of the Ramification of a Green Economy. *International Journal of Green Economics*, 12(1), 53-85.
- Heshmati, A., S.C. Kumbhakar and J. Kim (2018). Persistent and Transient Efficiency of International Airlines. *European Journal of Transport and Infrastructure Research*, 18(2), 213-238. (SSCI)
- Heshmati, A. and L. Hartvigson (2018). An evaluation of the collaborative coursework-based PhD program in economics and management among East African national universities. *Africa Journal of Management*, 4(2), 177-194.
- Heshmati, A. and K. Auzer (2018). The Role of Natural Resources in Kurdistan Regional Government's Economic Development. *UKH Journal of Social Sciences*, 2(1), 1-14.
- Tausch A. and A. Heshmati (2017). Testing an EU-Candidate's Place on the Maps of Global Economic, Political and Social Values: The Case of Turkey. *Polish Political Science Review*, 5(1), 73-110.
- Heshmati, A. and A. Tausch (2018). An Empirical Reflection on 'Smart Social Justice', its Measurement and Possible Drivers and Bottlenecks. *Sociology International Journal*, 2(3), 142-158.
- Heshmati, A. (2018). Healthy Aging as a Solution to the 'Ticking Time Bomb': Dealing with Aging Population in Urban China. *Sociology International Journal*, 2(2), 94-104.
- Heshmati A. (2017). A Review of the Circular Economy and its Implementation. *International Journal of Green Economics*, 11(3/4), 251-288.
- Heshmati, A. and Y. Kim (2017). Analysis of Pay Inequality and its Impacts on Growth and Performance in the Korean Manufacturing Industry Post Asian Financial Crisis. *UKH Journal of Social Sciences*, 1(1), 9-21.
- Heshmati, A., I. Haouas, K. Sohag and M. Shahbaz (2017). Hiring and Separation Rates Before and After the Arab Spring in the Tunisian Labor Market. *South African Journal of Economics*, 85(2), 259-278. (SSCI)
- Haouas, I., A. Heshmati and M. Shahbaz (2017). Labour Demand, Employment Variance and Efficiency in the Tunisian Manufacturing Industries. *International Research Journal of Finance and Economics* 159, 100-114.

- Wortley, D., J.Y. An, and A. Heshmati (2017). Tackling the Challenge of Aging Society: Detecting and Preventing Cognitive and Physical Decline through Games and Consumer Technologies. *Healthcare Informatics Research*, 23(2), 87-93.
- Haouas, I. and A. Heshmati (2017). Can the UAE avoid the Oil Curse by Economic Diversification? *International Research Journal of Finance and Economics*, 144, 7-23.
- Heshmati, A. and B. Su (2017). Analysis of Gender Wage Differential in China's Urban Labor Market. *Singapore Economic Review* 60(2), 423-445. (SSCI)
- Abolhosseini, S., A. Heshmati and M. Rashidghalam (2017). Energy Security and Competition over Energy Resources in Iran and Caucasus Region. *AIMS Energy* 5(2), 224-238.
- Rahimpour, M., A. Heshmati and A. Ahmadizad (2016). A New Weighting Approach to Non-Parametric Composite Indices Compared with Principal Components Analysis. *International Journal of Industrial Mathematics*, 9(1), 59-73.
- Tausch, A. and A. Heshmati (2016). Islamism and gender relations in the Muslim world as reflected in recent *World Values Survey* data. *Society and Economy*, 38(4), 427-453.
- Rahimpour, M., A. Heshmati and A. Ahmadizad (2016). The effect of education on industrial development: Evidence from Iranian small industries, *International Journal of Business and Development Studies* 8(1), 25-41.
- Han, J. and A. Heshmati (2016). Determinants of Financial Rewards from Industry-University Collaboration in South Korea. *International Journal of Innovation Management*, 20(7), 235-257.
- Oh, I., S. Oh, A. Heshmati and J.D. Lee (2016). Can Energy Service Companies promote 'green' growth? The Korean case. *Energy and Environment*, 27(1), 1-14. (SSCI)
- Heshmati, A. (2016). The Social and Economics of Healthy Ageing in China. *World Health Design*, January 64-70.
- Heshmati, A., B. Su and S.A. Kim (2015). Measurement and Analysis of Well-being in Developed Regions in China. *China Economic Policy Review* 4(1), Paper 6.
- Heshmati, A. (2015). The Effect of Credit Guarantees on R&D Investment of SMEs in Korea. *Asian Journal of Technology Innovation* 23(3), 407-421. (SSCI)
- Heshmati, A. and F. Lenz-Cesar (2015). Policy Simulation of Firms' Cooperation in Innovation. *Research Evaluation* 24(3), 293-311. (SSCI)
- Mansour, W., M. Ben-Abdelhamid and A. Heshmati and (2015). Recursive Profit and Loss Sharing. *The Journal of Risk* 17(6), 21-60. (SSCI)
- Heshmati, A. and N.T. Khayyat (2015). Statistical Analysis of Landmine Fatalities in Kurdistan. *Journal of Interpersonal Violence*, 30(5), 2591-2615. (SSCI)
- Chung, Y. and A. Heshmati (2015). Measurement of Environmentally Sensitive Productivity Growth in Korean Industries. *Journal of Cleaner Production* 104, 380-391. (SCIE)
- Maasoumi, E., A. Heshmati and G. Wan (2015), Guest Editors, Introduction to Special Issue on Poverty Reduction in Developing Asia. *Quarterly Review of Economics and Finance* 56, 1-2.
- Maasoumi, E., A. Heshmati and G. Wan (2015), Guest Editors, Introduction to Special Issue on Poverty and Wellbeing in Asia. *Journal of Economic Studies* 42(1), 2-3.



- Cho, S. and A. Heshmati (2015). What if You had been Less Fortunate: The Effects of Poor Family Background on Current Labor Market Outcomes. *Journal of Economic Studies* 42(1), 20-33.
- Heshmati, A. and R. Rudolf (2014). Income vs. Consumption Inequality in South Korea Evaluating Stochastic Dominance Rankings by Various Household Attributes. *Asian Economic Journal* 28(4), 413-436. (SSCI)
- Heshmati, A. (2014). Demand, Customer Base-Line and Demand Response in the Electricity Market: A Survey. *Journal of Economics Surveys* 28(5), 862-888. (SSCI)
- Heshmati, A. and S.C. Kumbhakar and K. Sun (2014). Estimation of Productivity in Korean Electric Power Plants: A Semiparametric Smooth Coefficient Model. *Energy Economics* 45, 491-500. (SSCI)
- Abolhosseini, S. and A. Heshmati (2014). The Main Support Mechanisms to Finance Renewable Energy Development. *Renewable and Sustainable Energy Reviews* 40, 876-885. (SCIE)
- Heshmati, A. and F.H. Al-Hammadany (2014). Multinomial Logit Model of Choices of Internet Modes in Iraq. *Business and Economic Research* 4(2), 114-135.
- Heshmati, A. and B. Su (2014). Development and Sources of Labor Productivity in China. *China Economic Policy Review* 2(2), 1-30.
- Oh, D-H., A. Heshmati and H. Löf (2014). Total Factor Productivity of Korean Manufacturing Industries: Comparison of Competing Models with Firm-Level Data. *Japan and The World Economy* 30, 25-36. (SSCI)
- Yeo, M.Y. and A. Heshmati (2014). Healthy Residential Environment for Elderly People: A Comparison of Japan, Korea and Sweden. *Journal of Housing for Elderly* 28(1), 1-20.
- Heshmati, A. and S.C. Kumbhakar (2014). A General Model of Technical Change with an Application to the OECD Countries. *Economics of Innovation and New Technology* 23(1), 25-48.
- Su, B. and A. Heshmati (2013). Analysis of the Determinants of Income and Income Gap between Urban and Rural China. *China Economic Policy Review* 2(1), 1-29.
- Khayyat, N. and A. Heshmati (2013). Determinants of Mobile Telecommunication Adoption in Kurdistan Region. *International Journal of Communication* 7, 2285-2311. (SSCI)
- Heshmati, A., N. Karlson and M. Box (2013). Generality, State Neutrality and Unemployment in the OECD. *Global Economy Journal* 13(3), 333-358.
- Heshmati, A. (2013). Globalization and EU's Development Strategy, 1970-2007. *Journal of Globalization Studies* 4(2), 3-57.
- Heshmati, A., Al-Hammadany F.H. and A. Bany-Mohammed (2013). Analysis of Internet Usage Intensity in Iraq: An Ordered Logit Model. *Journal of Knowledge Management, Economics and Information Technology* 3(3), 1-21.
- Heshmati, A. (2013). Efficiency and Productivity Impacts of Restructuring the Korean Electricity Generation. *Korea and the World Economy* 14(1), 57-89.
- Tausch, A. and A. Heshmati (2013). Worker remittances and the global preconditions of 'smart development'. *Society and Economy* 35(1), 25-50.

- Tausch, A., A. Heshmati, P. Jourdon and H. Karoui (2013). Are we still in the age of silent surrender? En sommes-nous encore à la période de capitulation silencieuse?. *Entelequia Revista Interdisciplinar* 15, 125-152.
- Heshmati, A. and F. Lenz-Cesar (2013). Agent-based Simulation of cooperative Innovation in R&D. *Research Evaluation* 22(1), 15-29. (SSCI)
- Su, B., A. Heshmati, Y. Geng and X. Yu (2013). A Review of the Circular Economy in China: Moving from Rhetoric to Implementation, *Journal of Cleaner Production* 42, 215-227. (SCI)
- Heshmati, A. and M.Y. Yeo (2013). Healthy Residential Environments for the Elderly in Japan, Korea and Sweden. *World Health Design*, January 58-73.
- Haouas, I. and A. Heshmati (2013). Economies of Scale in the Tunisian Industries. *International Journal of Economics and Finance* 5(1), 48-64.
- Tausch, A. and A. Heshmati (2012). Migration, Openness and the Global Preconditions of 'Smart Development'. *Boğaziçi Journal, Review of Social, Economic and Administrative Studies* 26(2), 27-89.
- Heshmati, A. and S. Peng (2012). International Trade and its Effects on Economic Growth in China. *China Economic Policy Review* 1(2), 35-60.
- Khayyat, N. and A. Heshmati (2012). Determinants of Mobile Phone Customer Satisfaction in the Kurdistan Region of Iraq. *Journal of Knowledge Management, Economics and Information Technology* 3, 91-121.
- Heshmati, A. and Y. Kim (2012). Time Series Analysis of Interdependent Phases of the Electricity Industry in South Korea. *OPEC Energy Review* 36(3), 319-348.
- Heshmati, A., S.C. Lee and W.S. Hwang (2012). Performance Analysis of Power Plants under Heterogeneous Technologies with Metafrontier Framework. *International Journal of Economics and Management Engineering* 2(1), 5-14.
- Tausch, A. and A. Heshmati (2012). The Effects of Multinational Corporation (MNC) Penetration on the Global Political Economy. A Re-analysis of a Recurrent Sociological Proposition with Contemporary Data. *Sociológia - Slovak Sociological Review* 44(3), 314-347. (SSCI)
- Oh, D.H., A. Heshmati and H. Löf (2012). Technical Change and Total Factor Productivity Growth for Swedish Manufacturing and Service Industries. *Applied Economics* 44(18), 2373-2391. (SSCI)
- Lenz-Cesar, F. and A. Heshmati (2012). An Econometric Approach to Identify Determinants of Cooperation for Innovation Among Firms. *Applied Economics Letters* 19(3), 227-235. (SSCI)
- Choi, E.H., A. Heshmati and Y.S. Cho (2011). An Empirical Study of Relationships between CO2 Emissions, Economic Growth and Openness. *Korean Journal of Environmental Policy* 10(4), 3-37.
- Al-Hammadany, F.H. and A. Heshmati (2011). Determinants of Internet Use in Iraq. *International Journal of Communication* 5, 1967-1989. (SSCI)
- Tausch, A. and A. Heshmati (2011). Re-Orient? Understanding Contemporary Shifts in the Global Political Economy. *Journal of Globalization Studies* 2(2), 89-128.

- Al-Hammadany, F.H. and A. Heshmati (2011). Analysis of the Purpose of Using Internet in Iraq: A Multinomial Logit Model. *Journal of Knowledge Management, Economics and Information Technology*, 1(6), 1-30.
- Heshmati, A. and H.S, Kim (2011). The R&D and Productivity Relationship of Korean Listed Firms. *Journal of Productivity Analysis* 36(2), 125-142. (SSCI)
- Heshmati, A. and S.C. Kumbhakar (2011). Technical Change and Total Factor Productivity Growth: The Case of Chinese Provinces. *Technological Forecasting and Social Change* 78(4), 575-590. (SSCI)
- Oh, D.H. and A. Heshmati (2010). A Sequential Malmquist-Luenberger Productivity Index: Environmentally Sensitive Productivity Growth Considering the Progressive Nature of Technology. *Energy Economics* 32(6), 1345-1355. (SSCI)
- Heshmati, A. and S. Lee (2010). The Relationship between Globalization, Economic Growth and Income Inequality. *Journal of Globalization Studies* 1(2), 87-117.
- Tausch, A. and A. Heshmati (2010). Learning from Dependency and World System Theory: Explaining Europe's Failure in the 'Lisbon Process. *Alternatives, Turkish Journal of International Relations* 9(4), 3-90.
- Heshmati, A., D. Johansson and C.M. Bjuggren (2010). Effective Corporate Tax Rates and the Size Distribution of Firms. *Journal of Industry, Competition and Trade* 10(3), 297-317.
- Tausch, A., A. Heshmati and C. Bajalan (2010). On the Multivariate Analysis of the Lisbon Process. *History and Mathematics: Processes and Models of Global Dynamics* 1, 92-137.
- Kim, Y.H. and A. Heshmati (2010). Analysis of Korean IT Start-up's Initial Public Offering and Their Post-IPO Performance. *Journal of Productivity Analysis* 34(2), 133-149. (SSCI)
- Bhandari, A.K. and A. Heshmati (2010). Willingness to Pay for Biodiversity Conservation. *Journal of Travel and Tourism Marketing* 27(6), 612-623. (SSCI)
- Kim, T.Y., A. Heshmati and J. Park (2010). Decelerating Agricultural Society: Theoretical and Historical Perspectives. *Technological Forecasting and Social Change* 77(3), 479-499. (SSCI)
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- Lööf H. and A. Heshmati (2003), The Link between Firm Level Innovation and Aggregate Productivity Growth: A Cross Country Examination, ZEW Discussion Papers 2003:07, 28 pages.
- Heshmati A. and I. Haouas (2002), The Effects of Union Wage-Settings on Firms Production Factor Decisions, IZA Discussion Paper 2003:689, 13 pages.
- Haouas I., M. Yagoubi and A. Heshmati (2002), The Impacts of Trade Liberalization on Employment and Wages in the Tunisian Industries, WIDER Discussion Papers 2002:102, 29 pages, and IZA Discussion Paper 2003:688, 27 pages.
- Haouas I., M. Yagoubi and A. Heshmati (2002), Labour-Use efficiency in the Tunisian's Manufacturing Industries: A Flexible Adjustment Model, WIDER Discussion Papers 2002:103, 19 pages, and IZA Discussion Paper 2003:687, 19 pages.
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- Lööf H. and A. Heshmati (2001), On the Relationship between Innovation and Performance: A Sensitivity Analysis, Swedish Working Paper Series in Economics and Finance 2001:446, Stockholm School of Economics, 33 pages.
- Heshmati A. (2001), The Dynamics of Capital Structure: Evidence from Swedish Micro and Small Firms, Swedish Working Paper Series in Economics and Finance 2001:440, Stockholm School of Economics, 36 pages.

- Heshmati A. (2001), On the Causality between GDP and Health Care Expenditure in the Augmented Solow Growth Models, Swedish Working Paper Series in Economics and Finance 2001:423, Stockholm School of Economics, 20 pages.
- Kumbhakar S.C., Hjalmarsson L. and A. Heshmati (2000), How Fast Do Banks Adjust? A Dynamic Model of Labour-Use with an Application to Swedish Banks, Swedish Working Paper Series in Economics and Finance 2000:411, Stockholm School of Economics, 27 pages.
- Cotfas M., L. Hjalmarsson and A. Heshmati (2000), Dynamics of Technical Efficiency and Productivity Change under Central Planning: The Romanian Cement Industry 1966-1989, Swedish Working Paper Series in Economics and Finance 2000:405, Stockholm School of Economics, 22 pages.
- Heshmati A. (2000), On the Growth Micro and Small Firms, Swedish Working Paper Series in Economics and Finance 2000:396, Stockholm School of Economics, 27 pages.
- Heshmati A. (2000), Productivity Growth, Efficiency and Outsourcing in Manufacturing and Services, Swedish Working Paper Series in Economics and Finance 2000:394, Stockholm School of Economics, 32 pages.
- Löf H. and A. Heshmati (2000), Knowledge Capital and Performance Heterogeneity: An Innovation Study at Firm Level, Swedish Working Paper Series in Economics and Finance 2000:387, Stockholm School of Economics, 40 pages.
- Frölich M., A. Heshmati and M. Lechner (2000), A Microeconomic Evaluation of Rehabilitation of Long-term Sickness in Sweden, Swedish Working Paper Series in Economics and Finance 2000:373, Stockholm School of Economics, 62 pages, and University of St. Gallen, Department of Economics, Discussion paper 2000:04.
- Banerjee S., A. Heshmati and C. Wihlborg (1999), The Dynamics of Capital Structure, Swedish Working Paper Series in Economics and Finance 1998:333, Stockholm School of Economics, 23 pages.
- Heshmati A. and L-G. Engström (1999), Estimating the Effects of Vocational Rehabilitation Programs in Sweden, Swedish Working Paper Series in Economics and Finance 1998:293, Stockholm School of Economics, 20 pages.
- Maasoumi E. and A. Heshmati (1998), Stochastic Dominance Amongst Swedish Income Distributions, Swedish Working Paper Series in Economics and Finance 1998:279, Stockholm School of Economics, 37 pages and Working Paper 1998:19, Center for Public Sector Research (CEFOS), Gothenburg University, June 1998, 44 pages.
- Heshmati A. and M. Ncube (1998), A Flexible Adjustment Model of Employment with An Application to Zimbabwe's Manufacturing Industries, Swedish Working Paper Series in Economics and Finance 1998:278, Stockholm School of Economics, 20 pages.
- Heshmati A. and M. Ncube (1998), An Econometric Model of Employment in Zimbabwe's Manufacturing Industries, Swedish Working Paper Series in Economics and Finance 1998:277, Stockholm School of Economics, 23 pages.
- Battese G.E., A. Heshmati and L. Hjalmarsson (1998), Efficiency of Labour Use in the Swedish Banking Industry: A Stochastic Frontier Approach, CEPA Working Papers 1998:6, Department of Econometrics, University of New England, Armidale, 29 pages and Swedish Working Paper Series in Economics and Finance 1998:289, Stockholm School of Economics, 26 pages.

- Heshmati A. (1998), Productivity Measurement in Swedish Departments of Gynecology and Obstetrics, Working Paper 1998:18, Center for Public Sector Research (CEFOS), Gothenburg University, April 1997, 44 pages.
- Heshmati A. (1998), Labor Demand, Efficiency and Risk in Swedish Saving Banks, Working Paper 1998:17, Center for Public Sector Research (CEFOS), Gothenburg University, April 1997, 33 pages.
- Tveterås R. and A. Heshmati (1997), Patterns of Productivity Growth in the Norwegian Salmon Farming Industry 1985-93, SNF Report No. 1997:92, Department of Economics and Centre for Fisheries Economics, Norwegian School of Economics and Business Administration, December 1997, 57 pages, and Swedish Working Paper Series in Economics and Finance 1999:301, Stockholm School of Economics, 24 pages.
- Kumbhakar S.C., S. Nakamura and A. Heshmati (1997), Total Factor Productivity Growth and Technical Change: The Japanese Chemical Industry 1968-1987, Working Paper No. 1997:244, Department of Economics, Gothenburg University, November 1997, 29 pages.
- Heshmati A. (1997), Labor Demand, Labor-Use, Efficiency and Risk in Swedish Saving Banks Working Paper No. 1997:243, Department of Economics, Gothenburg University, October 1997, 28 pages.
- Kumbhakar S.C., A. Heshmati and L. Hjalmarsson (1997), Parametric Approaches to Productivity Measurement: A Comparison Among Alternative Models, Working Paper No. 1997:240, Department of Economics, Gothenburg University, August 1997, 31 pages
- Cantarelli D., T. Di Fonzo and A. Heshmati (1997), Testing an Inhomogeneous VES Production Function with Means of Panel Data, Working Paper No. 1997:239, Department of Economics, Göteborg University, May 1997, 19 pages.
- Heshmati A. and G. Ljunggren (1997), Resource Use and Cost Heterogeneity in Swedish Geriatric Rehabilitation, Working Paper 1997:16, Center for Public Sector Research (CEFOS), Gothenburg University, April 1997, 46 pages.
- Heshmati A. (1997), Quality Adjusted Measures of Services in Public Schools, Working Paper No. 1997:15, Center for Public Sector Research (CEFOS), Gothenburg University, April 1997, 43 pages.
- Färe R., F. Førsund, S. Grosskopf, K. Hays and A. Heshmati (1997), Productivity and Quality in Swedish Schools, Working Paper No. 1997:238, Department of Economics, Gothenburg University, April 1997, 19 pages.
- Heshmati A. and N. Nafar (1997), A Production Analysis of the Manufacturing Industries in Iran, Working Paper No. 1997:237, Department of Economics, Gothenburg University, April 1997, 32 pages.
- Heshmati A. and G. Ljunggren (1997), Determinants of Production and Cost in Swedish Short Term Geriatric Rehabilitation, Working Paper No. 1997:235, Department of Economics, Gothenburg University, April 1997, 32 pages.
- Heshmati A. (1997), A Comparison of Parametric and Non-Parametric Approaches to the Adjustment of Output for Service Quality: With Application to Swedish Schools, Working Paper No. 1997:234, Department of Economics, Gothenburg University, April 1997, 29 pages.



Heshmati A., U. Andersson and K. Ingstrand (1995), Den Svenska grundskolans effektivitet, Working Paper No. 1995:9, Center for Public Sector Research (CEFOS), Gothenburg University, September 1995, 58 pages.

Hjalmarsson L., S.C. Kumbhakar and A. Heshmati (1995), DEA, DFA, and SFA: A Comparison, Working Paper No. 1995:215, Department of Economics, Gothenburg University, October 1995, 39 pages.

Kumbhakar S.C. and A. Heshmati (1995), Efficiency Measurement in Swedish Dairy Farms: An Application of Rotating Panel Data, Working Paper No. 1995:214, Department of Economics, Gothenburg University, May 1995, 28 pages.

Heshmati A. and S.C. Kumbhakar (1995), Estimation and Decomposition of Technical Efficiency with Pseudo Panel Data, Working Paper No. 1995:213, Department of Economics, Gothenburg University, May 1995, 30 pages.

Heshmati A. (1993), Estimating Random Effects Production Function Models with Selectivity Bias: An Application to Swedish Crop Producer Farms, Working Paper No. 1993:191, Department of Economics, Gothenburg University, September 1993, 36 pages.

Kumbhakar S.C. and A. Heshmati (1993), Technical Change and Total Factor Productivity Growth in Swedish Manufacturing Industries, Working Paper No. 1993:182, Department of Economics, Gothenburg University, January 1993, 26 pages.

Heshmati A., S.C. Kumbhakar and L. Hjalmarsson (1992), Efficiency of the Swedish Pork Industry: A Farm Level Study Using Rotating Panel Data, 1976-1988, Working Paper No. 1992:161, Department of Economics, Gothenburg University, March 1992, 25 pages.

Heshmati A. and S.C. Kumbhakar (1991), Farm Heterogeneity and Technical Efficiency: A Panel Data Model of Swedish Dairy Farms, Working Paper No. 1991:155, Department of Economics, Gothenburg University, August 1991, 25 pages.

Kumbhakar S.C. and A. Heshmati (1991), Efficiency Measurement Using Rotating Panel Data: An Application to Swedish Dairy Farms, 1976-1988, Working Paper No. 1991:154, Department of Economics, Gothenburg University, August 1991, 31 pages.

## **H. Unpublished Books and Manuscripts in Progress**

Heshmati A. (2004), Rehabilitation and Reconstruction of Iraq, May 2004, 70 pages.

## **I. PRESENTATIONS**

### **I.1 International Conferences and Workshops**

Economic Stability in the Kurdistan Region, Symposium, The New Vision of Healthy Kurdistan 2030, Duhok University, Duhok, Kurdistan Region, October 6, 2019.

The relationship between Health Care Expenditure and Air Pollutants, Symposium, The New Vision of Healthy Kurdistan 2030, Duhok University, Duhok, Kurdistan Region, October 6, 2019.

Economic Stability in the Kurdistan Region, The KRG's Emerging Strategy for Stability in Iraq and the Region, Erbil, October 2-3, 2019.

Estimating the Elderly's Labor Supply Decisions in Korea, 25<sup>th</sup> International Panel Data Conference, Vilnius, Lithuania, July 4-5, 2019.

Political Economy of Sustainable Development in Rwanda, Keynote Speaker, 4<sup>th</sup> East Africa Economics and Business Watch (4<sup>th</sup> EABEW) University of Rwanda, June 12-14, 2019.

The Relationship Between Air Pollutants and Healthcare Expenditure: Empirical Evidence from South Korea, 1st European Symposium, Salutogenic Hospital Design & Urban Health 28-31 March 2019, Milano, Italy.

What can we learn from environmental disasters for the climate change challenges? International Conference Climate Change and Human Responses, Hong Kong, China, 31 October – 2 November 2018.

Effects of Entrepreneurship and Innovation for Development (EID) Initiative on Research Capacity and Economic Policy in East Africa, Economic Policy Workshop, University of Rwanda, August 29, 2018.

Rwanda Handbook of Economic and Social Policy, Economic Policy Workshop, University of Rwanda, August 29, 2018

Estimation of Technical Change and TFP Growth based on Observable Technology Shifters, Asia Pacific Productivity Conference, Seoul National University, Seoul, Korea, July 4-6, 2018.

Impact of Financial Crises on Dynamics of Capital Structure: Evidence from Korean Listed, Korea and the World Economy, Jeju, Korea, June 25-26, 2018.

Healthy Aging as a Solution to the 'Ticking Time Bomb': Dealing with Aging Population in Urban China, Korea and the World Economy, Jeju, Korea, June 25-26, 2018.

Impact of Financial Crises on Dynamics of Capital Structure: Evidence from Korean Listed, International Conference on Panel Data, Sogang University, Seoul, Korea, June 19-20, 2018.

Green Employment Creation, 25<sup>th</sup> EBES (and GLO) Conference - Berlin, Germany, May 23-25, 2018.

Measurement and Analysis of Multidimensional Well-being and Poverty in Rwanda, 25<sup>th</sup> EBES (and GLO) Conference - Berlin, Germany, May 23-25, 2018.

Labor Market in Africa, 25<sup>th</sup> EBES (and GLO) Conference - Berlin, Germany, May 23-25, 2018.

Measurement and Analysis of Multidimensional Well-being and Poverty in Rwanda, Keynote Speaker, Addis Ababa International Conference on Economics and Business, December 6-8, 2017.

Estimation of Technical Change and TFP Growth based on Observable Technology Shifters, International Panel Data Conference, Thessaloniki, Greece, July 6-8, 2017.

Measurement and Analysis of Multidimensional Well-being in Rwanda, Keynote Speaker, Rebranding Research for Sustainable Development (3<sup>rd</sup> EABEW), University of Rwanda, Kigali, June 14-16, 2017.

A Review of Circular Economy and its Implementation, Finance, Innovation and Growth, Seoul National University, June 1-2, 2017.

Measurement and Analysis of Urbanization Infrastructure in China, workshop on Urbanization in Asia: Economics and Social Consequences, Sogang University, Seoul, Korea, December 15-16, 2016.

Labor Productivity in Kenyan Manufacturing and Service Industries, Keynote Speaker, Recent Trends in Economic Development, Finance and Management Research in Eastern Africa (2<sup>nd</sup> EABEW), University of Rwanda, Kigali, Rwanda, June 20-22, 2016.

Education for sustainability, International Greening Education Event 2015, Karlsruhe 21-23 October 2015.

The dark side of economics - shadow economy and corruption as development impediments, Keynote Speaker, Recent trends in economic development, finance and management research in Eastern Africa (1<sup>st</sup> EABEW), University of Rwanda, Kigali, Rwanda, May 5-6, 2015.

Analysis of Determinants of Households Consumption Expenditure and Poverty in India, Econometrics Conference in Honor of Dr. Maasoumi: Inference from Uncertain Models and Well-being, Emory University, November 15-16, 2014.

The Causal Relationships between International Trade and Environmental Sustainability, International Study Group on Exports and Productivity (ISGEP) Workshop, Royal Institute of Technology, Stockholm, September 25-26, 2014.

Performance of State owned Enterprises – A Review, The International SOE Conference, Reform & Sustainability: Local Challenges, Global Trends, Seoul, Korea, August 26-28, 2014.

The Role of Natural Resource in Southern Kurdistan's Economic Development, The 3<sup>rd</sup> World Kurdish Congress, Stockholm, Sweden, October 11-13, 2013.

Generality, State Neutrality and Unemployment in the OECD, 9<sup>th</sup> Asia Pacific Economic Association, Osaka University, Osaka, Japan, July 26-26, 2013.

36<sup>th</sup> Annual International Association for Energy Economics (IAEE) Conference, Daegu, Korea, June 16-20, 2013.

Health Residential Environment for the Elderly, Health & Design Asia Pacific 2013, Khoo Teck Puat Hospital, Singapore 14-15, 2013.

How to Write a Successful Research Proposal, Knowledge Exchange and International Research Partnership at Nazarbayev University, Astana, Kazakhstan, 5-6 April, 2013.

Estimation of Productivity in Korean Electric Power Plants: A Semiparametric Smooth Coefficient Model, Conference in Memory of Lennart Hjalmarsson, Gothenburg University, Gothenburg, Sweden, December 7-8, 2012,

A Review of the Regional Development Strategy for Kurdistan Region, The Second World Kurdish Congress, WKC2012, Hawler, October 11-15, 2012.

2012 Japan-Korea-Taiwan International Conference on Agricultural and Resources Economics, National Chung Hsing University, Taichung, Taiwan, August 7, 2012.

International Workshop on Chinese Productivity, Tsinghua University, Beijing, China, July 14-15, 2012.

The Eighteenth International Panel Data Conference, Bank of France, Paris, France, July 4-5, 2012.

The Eighth Annual Conference of Asia Pacific Economic Association, APEA2012, Nanyang Technological University, Singapore, June 28-29, 2012.

Korea Productivity Association Meeting, KPA2011, Seoul National University, November 17-18, 2011.

The First World Kurdish Congress, WKC2011, Rotterdam, The Netherlands, October 7-9, 2011.

Harvard Project for Asian and International Relations, HPAIR 2011, Seoul, Korea, August 19-23, 2011.

European Workshop on Efficiency and Productivity Analysis (WEPA2011), Verona, Italy, June 21-24, 2011.

International Conference on Revitalizing Research in Kurdistan, Hawler, Federal Region of Kurdistan, December 14-16, 2010.

The 16<sup>th</sup> International Conference on Panel Data, Amsterdam, The Netherlands, July 2-4, 2010.

The XXIV ASEPELT 2010 Conference on Applied Economics, Alicante, Spain, June 16-19, 2010.

European Workshop on Efficiency and Productivity Analysis, Pisa, Italy, June 23-26, 2009.

Workshop on Fostering Public-Private Partnership for the Implementation of e-Governance in Municipalities of Nepal, December 28, 2008.

Workshop on Management of Water Resources in Kurdistan Region, Hawler, Federal Region of Kurdistan, August 25, 2008.

Conference on Kurds, Meridian International Center, Washington DC, May 29-30, 2008.

International Conference on the Higher Education in Iraq, Hawler, Federal Region of Kurdistan, December 11-13, 2007.

Asia Pacific Productivity Conference, Seoul National University, Seoul, Korea, August 17-19, 2006.

Asia Conference on Technology Transfer, Seoul, Korea, March 2006.

The Nordic Agriculture Productivity Workshop, Helsinki, July 2005.

The Ninth European Workshop on Productivity and Efficiency Analysis (WEPA IX), Brussels, June 2005.

Invited Speaker at The Korean Association of Productivity Analysis Conference, Seoul, June 2005.

The UNU/WIDER, Conference of Impact of Globalization of the World's Poor, Helsinki, October 2004.

The North American Productivity Workshop, NAPW2004, Toronto, June 2004.

The UNU/WIDER, Helsinki, June 2004.

The UNU/WIDER Conference on Sharing Global Prosperity, Helsinki, September 2003.

The UNU/WIDER Conference on Inequality, Poverty and Human Well-being, Helsinki, May 2003.

The XI International Tor Vergata Conference on Banking and Finance, Rome December 2002.

The New Economy in Development, WIDER, May 2002.

Keynote Speaker at The 1<sup>st</sup> Hellenic Workshop on Productivity and Efficiency Measurement, University of Patras, Greece, December 2001.

The 7<sup>th</sup> European Workshop on Efficiency and Productivity, Oviedo, Spain, September 2001.

The 16<sup>th</sup> Annual Congress of the European Economic Association, Lausanne, Switzerland, August 2001.

The 56<sup>th</sup> European Meeting of the Econometric Society, Lausanne, Switzerland, August 2001.

The 9<sup>th</sup> International Conference on Panel Data, Geneva, Switzerland, June 2000.

The 6<sup>th</sup> European Workshop on Efficiency and Productivity, Copenhagen, October 1999.

Taipei International Conference on Efficiency and Productivity Growth, Academia Sinica, Taipei, Taiwan, July 1999.

Econometric Evaluation of Active Labour Market Policies in Europe, ZEW Research Conference, University of Mannheim, Germany, June 1999.

The 3<sup>rd</sup> Georgia Productivity Workshop, Terry College of Business, The University of Georgia, Athens, October 1998.

The 13<sup>th</sup> Annual Congress of the European Economic Association, Berlin, Germany, September 1998.

The 53<sup>rd</sup> Econometric Society European Meeting, Berlin, Germany, August-September 1998.

The 8<sup>th</sup> International Conference on Panel Data, Gothenburg, Sweden, June 1998.

The 67<sup>th</sup> Annual Conference of the Southern Economic Association Meeting, Atlanta, Georgia, November 1997.

The 5<sup>th</sup> European Workshop on Productivity Analysis, Copenhagen, October 1997.

The Econometric Society European Meeting, Toulouse, August 1997.

The 7<sup>th</sup> International Conference on Panel Data, University of Paris, ERUDITE, Paris, France, June 1997.

The 6<sup>th</sup> Biennial International Conference on Panel Data, University of Amsterdam, Amsterdam, The Netherlands, June 1996.

The 4<sup>th</sup> European Productivity Workshop, Center for Operations Research and Econometrics (CORE), Universite Catholique de Louvain, Belgium, October 1995.

Konferensen Kvalitet i kommuner och landsting, Gothenburg, Sweden, October 1995.

The Nordic Workshop on Productivity and Efficiency, Gothenburg University, Sweden, September 1995.

The Econometric Society Seventh World Congress, University of Tokyo, Japan, August 1995.

The Georgia Productivity Workshop, University of Georgia, Athens, U.S.A., October 1994.

The Econometric Society European Meeting, ESEM94, University of Limburg, Maastricht, The Netherlands, August-Sept.1994.

The 5<sup>th</sup> Conference on Panel Data, University of Paris, ERUDITE, Paris, France, June 1994.

The Econometric Days 1994, Uppsala University, Sweden, May 1994.

The Nordic Workshop on Productivity Growth, Gothenburg University, Sweden, January 1994.

The 8<sup>th</sup> Annual Congress of the European Economic Association, EEA93, University of Helsinki, Finland, August 1993.

The Econometric Society European Meeting, ESEM93, Uppsala University, Sweden, August 1993.

The Econometric Days 1993, Stockholm University, Lovik, Sweden, May 1993.

The 1992 India and South-East Asia Meeting of the Econometric Society, The Indira Ghandi Institute of Development Research, Bombay, India, December 1992.

The Nordic Workshop on Productivity Growth, Gothenburg University, Sweden, November 1992.

The 4<sup>th</sup> Conference on Panel Data, Budapest University, Budapest, Hungary, June 1992.

The Conference on Current Issues in Productivity, The State University of New Jersey, Newark, U.S.A., December 1991.

## **I.2 Professional Seminars**

The Nobel Prize in Economic Sciences 2019: Experimental Approach to Alleviating Global Poverty, Royal Institute of Technology, Stockholm, Sweden, October 25, 2019.

Collaborative Coursework-Based PhD Program in Economics and Management: Research, Teaching and Supervision Capacity Building, University of Kurdistan Hawler, Erbil, Kurdistan Region, July 22, 2019.

Measurement and Analysis of Urban Infrastructure and its Effects on Urbanization in China, University of Kurdistan Hawler, Erbil, Kurdistan Region, July 17, 2019.

Circular Economy and its Implementation in China, Swedish Entrepreneurship Forum, Stockholm, Sweden, August 21, 2018.

Persistent and Transient Efficiency of International Airlines, Department of Economics, Sogang University, March 31, 2017.

Master's Thesis Process and Evaluation of Quality and Results, College of Business and Economics (UR-CBE), Gikondo, January 11, 2017.

Master's Thesis Process and Evaluation of Quality and Results, College of Business and Economics (UR-CBE), Botare, January 10, 2017.

Measurement and Analysis of Urbanization Infrastructure in China, University of Rwanda, College of Business and Economics (UR-CBE), Gikondo, December 29, 2016.

A Review of the Circular Economy and its Implementation, Swedish Entrepreneurship Forum, Stockholm, Sweden, December 17, 2016.

Research Funds, Research Proposals, Research Quality and Publications, University of Rwanda, College of Business and Economics (UR-CBE), Gikondo, Nyagatare, Huye Campuses, December 7-9, 2015.

A Review of the Circular Economy and its Implementation, Center for Economic Research (CER-ETH), ETH Zürich, October 30, 2015.

A Review of the Circular Economy, Swedish Entrepreneurships Form, Stockholm, Sweden, June 17, 2015.

A Review of the Circular Economy in China: Moving from Rhetoric to Implementation, Department of Economics, Addis Ababa University, Ethiopia, December 11, 2014.

A Review of the Circular Economy in China: Moving from Rhetoric to Implementation, Center of Excellence for Science and innovation Studies (CESIS), Royal Institute of Technology, Stockholm, Sweden, September 12, 2014.

Performance of State owned Enterprises – A Review, IEPP, College of Engineering, Seoul National University, Seoul, Korea, August 25, 2014.

A Review of the Circular Economy in China: Moving from Rhetoric to Implementation, Jönköping International Business School, Jönköping, Sweden, June 27, 2014.

Determinants and Policy Simulation of Firms Cooperation in Innovation, Department of Economics, Jönköping International Business School, Jönköping, Sweden, September 16, 2013.

A Review of the Circular Economy in China: Moving from Rhetoric to Implementation, Department of Economics, Emory University, Atlanta, Georgia, USA, February 21, 2013.

A Review of the Circular Economy in China: Moving from Rhetoric to Implementation, Stockholm Environment Institute (SEI), Stockholm, Sweden, January 25, 2013.

Agent-based Simulation of cooperative Innovation in R&D Center of Excellence for Science and Innovation Studies (CESIS), Royal Institute of Technology (KTH), Stockholm, Sweden, January 24, 2013.

A Review of the Regional Development Strategy for Kurdistan Region, University of Salahadeen, Hawler, Kurdistan Region, January 21, 2013.

A Review of the Regional Development Strategy for Kurdistan Region, Soran University, Soran, Kurdistan Region, January 20, 2013.

Mining Industry Organization, Ulaanbaatar, Mongolia, October 5, 2012.

Department of Energy Studies, Ajou University, Suwon, Korea, March 27, 2012.

State University of New York at Binghamton, Department of Economics, February 15, 2012.

University of Kurdistan Hawler, Kurdistan Region, January 12, 15, 17 and 19, 2012.

Soran University, Soran, Kurdistan Region, January 11, 2012.

Department of Food and Resource Economics, Korea University, BK seminar, October 28, 2011.

Department of Food and Resource Economics, Korea University, Ottogi Summer Program, four lectures on Globalization, Economic Development Trends, Foreign Investment in Agriculture and Economics of Technology, August 8-19, 2011.

Korea Electric Power Corporation, KEPCO, Seoul, Korea, KEPCO, July 27, 2011.

Department of Economics, Sogang University, Seoul, Korea, May 17, 2011.

College of Engineering, Salahadeen University, Hawler, Federal Region of Kurdistan, December 18, 2010.

Department of Energy Studies, Ajou University, Suwon, Korea, November 9, 2010.

Department of Food and Resource Economics, College of Life Sciences and Biotechnology, Korea University, September 27, 2010.

Scientific Research Institute of Energy, Yerevan, Armenia, August 12, 2010.

American University of Armenia, School of Business and Management, Yerevan, Armenia, August 6 and 11, 2010.

European Commission, Directorate General, Economics and Financial Affairs, Brussels, February 23, 2010.

Center of Excellence for Science and Innovation Studies (CESIS), Royal Institute of Technology (KTH), Stockholm, Sweden, February 4, 2010.

Environmental Economics, Gothenburg University, Sweden, January 26 and 29, 2010.

Department of Economics, Orebro University, Sweden, January 25, 2010.

TEMEP, College of Engineering, Seoul National University, September 8 and October 9, 2009.

Graduate School of Economics, Waseda University, Tokyo, Japan, July 24, 2009.

Center of Excellence for Science and Innovation Studies (CESIS), Royal Institute of Technology (KTH), Stockholm, Sweden, April 22, 2009.

Prime College, Department of Management, Kathmandu, Nepal, December 31, 2008.

Management Association of Nepal (MAN), Kathmandu, Nepal, December 28, 2008.

University of Sorbonne (Paris I), Department of Development and Transition, Paris, France, April 10, 2008.

University of Kurdistan Hawler, Federal Region of Kurdistan, Hawler, Iraq, March 26, 2008.

University of Kurdistan Hawler, Federal Region of Kurdistan, Hawler, Iraq, March 5, 2008.

Joint seminar held at Techno-Economics and Management Program at Seoul National University, Seoul; and Information and Communication University, Daejeon, South Korea, July 30, 2007.

College of Business Administration, Seoul National University, Seoul, Korea, May 8, 2006.

Research Institute for Small and Medium Industries, Seoul, Korea, April 19, 2006.

Techno-Economics and Policy Program, College of Engineering, Seoul National University, Seoul, Korea, April 14, 2006.

Government Institute for Economic Research, VATT, Helsinki, Finland, January 26, 2006.

The European Institute of Japanese Studies, EIJS, Stockholm, Sweden, January 19, 2006.

Office of Labor Market Policy Evaluation, IFAU, Uppsala, Sweden, January 18, 2006.

Swedish Economic Research Institute, RATIO, Stockholm, Sweden, January 16, 2006.

The Research institute of Industrial Economics, IUI, Stockholm, Sweden, January 11, 2006.

Techno-Economics and Policy Program, College of Engineering, Seoul National University, Seoul, Korea, November 25, 2005.

Seoul University of Venture (SUV), Seoul, Korea, October 25, 2005.

Techno-Economics and Policy Program, College of Engineering, Seoul National University, Seoul, Korea, October 7 and 21, 2005.

Korea Development Institute, Seoul, Korea, September 2005.

Techno-Economics and Policy Program, College of Engineering, Seoul National University, Seoul, Korea, September 2 and 23, 2005.



Department of Economics, Dongbei University of Finance and Economics, Dalian, China, April 2005.

Korea Economic Research Institute, Seoul, Korea, April 2005.

Department of Economics, Seoul National University, Seoul, Korea, March 2005.

Department of Economics and International Economics, Goethe University, Frankfurt, Germany, February 2005.

Institute for Development Policy and Management, University of Antwerp (IDPM/UA), Antwerp, Belgium, February 2005.

MTT Economic Research, Helsinki, Finland, October 2004.

Institute of Transport Economics, Oslo, Norway, June 2003.

The UNU/WIDER, Helsinki, Finland, January and May 2003.

Government Institute for Economic Research (VATT), Helsinki, Finland, September 2002.

University of Helsinki, Helsinki, Finland, May 2002.

Helsinki University of Technology, VTT Group for technology studies, Helsinki, Finland, January 2002.

German Institute for Economic Research (DIW), Berlin, Germany, July 2001.

The Industrial Institute for Economic and Social Research (IUI), Stockholm, Sweden, April 2001.

The Swedish National Board for Industrial Technical Development (NUTEK/VINNOVA), Stockholm, Sweden, March 2001.

Institute for the Study of Labor (IZA), Uppsala, Sweden, December 2000.

Department of Economics, University College of Borlänge, Borlänge, Sweden, November 2000.

Department of Economics, University College of Gävle, Sweden, November 2000.

Department of Economics, Southern Methodist University, Dallas, U.S.A., October 2000.

The Office of Labor Market Policy Evaluation, Uppsala University, Uppsala, Sweden, April 2000.

Department of Economic Statistics, Stockholm School of Economics, Stockholm, Sweden, April 2000.

The Swedish National Social Insurance Board (RFV), Stockholm, Sweden, February 2000.

Department of Economic Statistics, Stockholm School of Economics, Stockholm, Sweden, November 1999.

Department of Economics, University of St. Gallen, St Gallen, Switzerland, October 1999.

Center for Public Sector Research (CEFOS), Gothenburg University, Gothenburg, Sweden, October 1999.

Centre for Studies in Economics and Finance (CSEF), University of Salerno, Salerno, Italy, April 1999.

The Swedish National Social Insurance Board (RFV), Stockholm, Sweden, February 1999.

The Office of Labor Market Policy Evaluation, Uppsala University, Uppsala, Sweden, February 1999.

The Swedish Institute for Social Research (SOFI), Stockholm University, Stockholm, Sweden, February 1999.

The Swedish National Social Insurance Board (RFV), Stockholm, Sweden, January 1999.

Department of Economic Statistics, Stockholm School of Economics, Stockholm, Sweden, December 1998.

Center for Public Sector Research (CEFOS), Gothenburg University, Gothenburg, Sweden, May 1998.

Department of Economics, Lund University, Lund, Sweden, April 1998.

Department of Economics, Gothenburg University, Gothenburg, Sweden, March 1998.

Department of Economic Statistics, Stockholm School of Economics, Stockholm, Sweden, January 1998.

Department of Economics, Gothenburg University, Gothenburg, Sweden, December 1997.

Department of Health Economics, Stockholm School of Economics, Stockholm, Sweden, November 1997.

The Swedish National Board for Industrial Technical Development (NUTEK), Stockholm, Sweden, November 1997.

Department of Economics, Gothenburg University, Gothenburg, Sweden, October 1997.

Center for Public Sector Research (CEFOS), Gothenburg University, Gothenburg, Sweden, September 1997.

Department of Economics, Gothenburg University, Gothenburg, Sweden, April 1997.

Department of Economics, Gothenburg University, Gothenburg, Sweden, February 1997.

Department of Economics, Southern Methodist University, Dallas, U.S.A., December 1996.

National Board for School Education (Skolverket), Stockholm, Sweden, November 1996.

Center for Public Sector Research (CEFOS), Gothenburg University, Gothenburg, Sweden, November 1996.

Department of Economics, Gothenburg University, Gothenburg, Sweden, October 1996.

Center for Public Sector Research (CEFOS), Gothenburg University, Gothenburg, Sweden, September 1996.

Center for Public Sector Research (CEFOS), Gothenburg University, Gothenburg, Sweden, May 1996.

Department of Economics, Stockholm University, Stockholm, Sweden, February 1996.

National Board for School Education (Skolverket), Stockholm, Sweden, October 1995.

Center for Public Sector Research (CEFOS), Gothenburg University, Gothenburg, Sweden, September 1995.

Department of Economics, Gothenburg University, Gothenburg, Sweden, November 1991.

Department of Economics, Gothenburg University, Gothenburg, Sweden, October 1991.

Department of Economics, Gothenburg University, Gothenburg, Sweden, November 1990.

## **J. PROFESSIONAL SERVICES**

### **J.1 Editorial Responsibilities:**

Editorial Board Member, Springer Nature Business and Economics, 2020.

Quest Editor, Special Issue of *Economies*, Circular Economy, 2019.

Quest Editor, Special Issue of *Energies*, Energy Use Efficiency, 2019.

Quest Editor, Special Issue of *Energies*, Energy Economics and Policy in Developed Countries, 2019.

Quest Editor, Special Issue of *Journal of Productivity Analysis* based on papers presented at Asia Pacific Productivity Conference, APPC2018, Seoul, July 4-6, 2018.

Quest Editor, Special Issue of *Science and Public Policy* based on papers presented at Asia Pacific Productivity Conference, APPC2018, Seoul, July 4-6, 2018.

Editor, Edited volume on *Studies on Economic Development and Growth in Selected African Countries*, Springer, 2017.

Editor, Edited volume on *Economic Transformation for Poverty Reduction in Africa: A Multidimensional Approach*, Routledge, 2017.

Guest Editor, Special Issue on Economic Development and Growth in East Africa, *Quarterly Review of Economics and Finance*, 2016.

Editor, Edited volume on *Selected Studies on Poverty and Well-being in Africa*, Springer, 2016.

Editor, Edited volume on *Economic Integration, Currency Union and Sustainable and Inclusive Growth in East Africa*, Springer 2016.

Editor, Book Series, *Perspective on Development in Middle East and North Africa (MENA) Region*, Springer, since 2015.

Editor, Book Series, *Frontier in African Business Research*, Springer, since 2015.

Editor, Edited volume on *Poverty Reduction Policies and Practices in Developing Asia*, Springer, 2015.

Guest Editor, Special Issue on Poverty Reduction Policies and Practices in Developing Asia, *Quarterly Review of Economics and Finance*, Volume 56, Number 1, 2015.

Guest Editor, Special Issue on Poverty Reduction Policies and Practices in Developing Asia, *Journal of Economic Studies*, Volume 42, Number 1, 2015.

Member of Editorial Board, SpringerPlus, Open Access Journal, since 2015.

Guest Editor, Special Issue on Manufacturing Productivity Growth in the Asia Pacific Region, *Global Economic Review*, Volume 36, Number 4, 2007.

Guest Editor, Special Issue on Panel Data Analysis, *Econometric Reviews*, Volume 19, Number 4, 2000.

Guest Editor, Special Issue on Panel Data Analysis, *Econometric Reviews*, Volume 19, Number 3, 2000.

## J.2 Referee for Journals/Publishers

African Development Review (since 2019), American Economist (since 2016), American Journal of Agricultural Economics (since 1998), Annals of Regional Science (since 2006), Annales d'Economie et de Statistique (since 1997), Applied Economics (since 1997), Arthaniti-Journal of Economic Theory and Practice (since 2020), Asian Academy of Management Journal (since 2020), Asian Journal of Technology Management (since 2016), Australian and New Zealand Journal of Statistics (since 2001), Australian Economics Papers (since 2004), China and World Economy (since 2019), China Economic Policy Review (since 2014), China Economic Review (since 2015), Comparative Economic Studies (since 2003), Contemporary Economic Policy (since 2014), Econometric Reviews (since 1997), Economic Analysis and Policy (since 2020), Economic Change and Restructuring (since 2016), Economic Modelling (since 2020), Economic Research International (since 2000), Economics of Governance (since 2002), Economics of Innovation and New Technology (since 2006), Economies (since 2019), Elsevier books (since 2013), Empirica (since 2003), Empirical Economics (since 1998), Energies (since 2018), Energy Economics (since 2009), Energy Efficiency (since 2014), Environmental Science and Pollution Research (since 2020), European Journal of Comparative Economics (since 2008), European Journal of Operational Research (since 2002), European Review of Agricultural Economics (since 2004), European Scientific Journal (since 2014), GeoJournal (since 2016), Growth and Change (since 2017), International Economic Journal (since 2004), International Economics and Finance Journal (since 2008), International Economic Review (since 1993), International Journal of Biodiversity Science, Ecosystem Services and Management (since 2015), International Journal of Production Economics (since 2017), International Journal of Transitional Justice (since 2013), International Review of Economics and Business (since 1997), Iran Agricultural Research (since 2000), IZA Journal of Labor Policy (since 2019), Journal of Agricultural Economics (since 2000), Journal of Agricultural Resource Economics (since 2003), Journal of Applied Economics (since 2011), Journal of Banking and Finance (since 2016), Journal of Chinese Economic and Business Studies (since 2013), Journal of Cleaner Production (since 2014), Journal of Development Economics (since 2007), Journal of Development Studies (since 2006), Journal of Econometrics (since 2000), Journal of Economic Behavior and Organization (since 2002), Journal of Economic Inequality (since 2003), Journal of Economic Studies (since 2016), Journal of Family and Economic Issues (since 2020), Journal of Industrial Economics (since 1999), Journal of Institutional and Theoretical Economics (since 2001), Journal of International Development (since 2019), Journal of International Trade & Economic Development (since 2013), Journal of Population Economics (since 2018), Journal of Productivity Analysis (since 1994), Journal of Risk (since 2015), Korean Economic Review (since 2014), National Center of Science and Technology Evaluation, Kazakhstan (since 2012), Oxford Bulletin of Economics and Statistics (since 2004), Oxford Economic Papers (since 1999), Oxford University Press, books (since 2014), Quarterly Review of Economics and Finance (since 2017), Renewable and Sustainable Energy Reviews (since 2018), Research in Applied Economics (since 2009), Research Policy (since 2007), Review of Economics of the Household (since 2020), Review of Income and Wealth (since 2018), Review of World Economics (since 2009), Routledge books (since 2013), Scandinavian Journal of Economics (since 2004), Science and Public Policy (since 2018), Small Business Economics (since 2002), Social Indicators Index (since 2020), Social Sciences and Humanities Research Council of Canada (since 2009), Sociology International Journal (since 2019), South African Journal of Economics (since 2017), Springer Nature books (since 2013), SpringerPlus (since 2014),

Swedish Agency for Economic and Regional Growth (since 2019), Technological Forecasting and Social Change (since 2001), Transportation Research Part E: Logistics and Transportation Review (since 2019), UKH Journal of Social Science (since 2018), United Nations University Press books (since 2008), and World Development (since 2009).

### **J.3 (Co)Organizer of Workshops/Conferences**

Conference on Inclusive Growth and Sustainable Socio-Economic Transformation, 4<sup>th</sup> EABEW, College of Business and Economics, University of Rwanda, Kigali, June 12-14, 2019, co-organized with Rama Rao, Johnson Rukundo, and Lars Hartvigson.

Conference Asia Pacific Productivity Analysis, Seoul National University, July 4-6, 2018, co-organized.

Conference International Panel Data Conference, Sogang University, Seoul, Korea, June 19-20, 2018, co-organized.

Conference Addis Ababa International Conference on Business and Economics (AAICBE) Addis Ababa, Ethiopia, December 6-8, 2017.

Conference on Perspectives on Economic Development and Policy in Rwanda, 3<sup>rd</sup> EABEW, University of Rwanda, Kigali, Rwanda, June 14-16, 2017, co-organized with Bideri Ishuheri, and Lars Hartvigson.

Workshop on Finance, Innovation and Green Growth, Sogang University, Seoul, Korea, June 1-2, 2017.

Workshop on Urbanization in Asia; Economics and Social Consequences, Sogang University, Seoul, Korea, December 15-16, 2016.

Conference on Recent Trends in Economic Development, Finance and Management Research in Eastern Africa, 2<sup>nd</sup> EABEW, University of Rwanda, Kigali, Rwanda, June 20-22, 2016, co-organized with Rama Rao, Francesco Chirico, Bideri Ishuheri, and Lars Hartvigson.

Conference on Recent Trends in Economic Development, Finance and Management Research in Eastern Africa, 1<sup>st</sup> EABEW, University of Rwanda, Kigali, Rwanda, May 4-6, 2015, co-organized with Rama Rao, Francesco Chirico, Chika Ezeanya, and Lars Hartvigson.

World Kurdish Congress WKC2013, Stockholm, Sweden, October 12-14, 2013, co-organized with Alan Dilani.

Workshop on Poverty Reduction in Asia: Drivers, Best practices and Policy Initiatives, Sogang University, Seoul, South Korea, August 23-24, 2013, co-organized with Esfandiar Maasoumi.

Symposium in Memory of Lennart Hjalmarsson, Gothenburg University, December 7-8, 2012, co-organized with Arne Bigsten, Finn Forsund, Subal C. Kumbhakar and Hans Loof.

World Kurdish Congress WKC2012, Erbil, Kurdistan Region, October 12-15, 2012 co-organized with Alan Dilani.

World Kurdish Congress WKC2011, Rotterdam, The Netherlands, October 7-9, 2011 co-organized with Alan Dilani.

Workshop on Cost-Benefit Analysis of Water Projects, Ministry of Water Resources, Federal Region of Kurdistan, Hawler, February 09-10, 2009.

Workshop on Industrial Technology Policy, TEMEP, Seoul National University, December 12-13, 2008.

Workshop on Theory of Productivity Analysis, TEMEP, Seoul National University, December 13, 2008.

Workshop on Management of Water Resources at Iraqi Kurdistan Region, Hawler, Federal Region of Kurdistan, August 25, 2008, co-organized with Ministry of Water Resources.

International Conference on the Higher Education in Iraq, Hawler, Federal Region of Kurdistan, December 11-13, 2007, Member of the Local Organisation Committee.

Asia Pacific Productivity Conference, Seoul National University, Seoul, Korea, August 17-19, 2006, co-organized with Jeong-Dong Lee.

Workshop on Econometric Analysis of Technology Policy, TEPP, Seoul National University, June 20, 2006.

Workshop on Industrial Technology Policy, TEPP, Seoul National University, June 19, 2006.

Workshop on Econometric Analysis of Industrial Technology Policy, TEPP, Seoul National University, December 16, 2005.

Workshop on Econometric Analysis of Industrial Technology Policy, TEPP, Seoul National University, June 17, 2005.

Workshop on Applied Microeconomics and Applied Microeconometrics, TEPP, Seoul National University, December 21, 2004.

Workshop on Performance Analysis, University of Helsinki, Faculty of Agriculture, September 7, 2004, co-organized with John Sumelius.

Workshop on Utilization of Panel Data in Agriculture, University of Helsinki, Faculty of Agriculture, September 2003, co-organized with John Sumelius.

UNU/WIDER Conference on Inequality, Poverty and Human Well-being, Helsinki, May 30-31, 2003, co-organized with Anthony Shorrocks and Mark McGillivray.

Workshop on Topics in Applied Microeconometrics, The United Nations University, WIDER, March 15, 2003.

Workshop on Topics in Applied Microeconometrics, Stockholm School of Economics, March 12, 2001.

Workshop on Microdata Econometrics, Stockholm School of Economics, October 5, 2000.

Workshop on Microdata Econometrics - Panel Data and Discrete Choice Analysis, Stockholm School of Economics, September 15, 1999.

The Eighth International Conference on Panel Data, Department of Economics, Gothenburg University, June 10-12, 1998, co-organized with Lennart Hjalmarsson.

Workshop on the Econometric Analysis of Panel Data, Department of Economics, Gothenburg University, February 5-6, 1997.

Workshop on the Econometric Analysis of Panel Data, Department of Economics, Gothenburg University, May 14, 1996.

#### **J.4 Membership of Professional Associations**

International Society for Efficiency and Productivity Analysis (ISEAPA), since 2020.

Global Labour Organization (GLO), since 2016.

Institute for the Study of Labour (IZA) since 2000.

Rural Economic Society of Korea, 2012.

Member of the Higher Economic Council, Kurdistan Regional Government, Federal Region of Kurdistan, Iraq, from July 2007 to August 2008.

Member of Scientific Committee of the International Conference on Panel Data, 1998, 2000, 2002, 2004, 2005-2012.

Member of Scientific Committee of the Service Research Forum, University College of Gävle, Sweden, 1999-2003.

The Swedish Economic Club, 1995-2001.

The Econometric Society, 1992-1998, 2009.

The European Economic Association, 1992-1998, 2009.

## **J.5 Consulting**

Asian Development Bank (ADB), in relation with Urbanization in Asia: Economics and Social Consequences, September 2016 March 2017.

Swedish Entrepreneurship Forum (SEF), in relation with A Review of the Circular Economy and its Implementation, June-October 2015.

Asian Development Bank (ADB), in relation with Fiscal Policy and Inclusive Growth in Advanced Countries: The Experience and Implications for Asia, January-February 2014.

Asian Development Bank (ADB), in relation with Poverty Reduction in Asia: Drivers, Best Practices and Policy Initiatives, March-December 2013.

Asian Development Bank (ADB), in relation with Poverty in India, September-December 2012.

Korea Energy Economics Institute (KEEI), in relation with analysis of Foreign Direct Investment and its Growth, Performance and Environmental Impacts in Korea, September-December, 2011.

Korea Electric Power Corporation (KEPCO), in relation with Analysis of Power Plants' Performance in the Korean Electricity Industry, March-December 2009.

The Ministry of Water Resources, Federal Region of Kurdistan, Iraq, in relation with Management of Water Resources in Kurdistan Region, July-September, 2008.

The US Aid, Research Triangle Institute (USAID/RTI), in relation with Evaluation of the Kurdistan Economic Development Assessment Plan (KEDAP), December 2007 to February 2008.

The United Nations University, The World Institute for Development Economics Research, UNU/WIDER, in relation with the Rehabilitation and Reconstruction of Iraq, March-May 2004.

The Swedish Institute, in relation with the Evaluation of the needs of a Higher Education System, August 2002, and Teaching Microeconometrics at Postgraduate level, December 2003.

The National Social Insurance Board (Riksförsäkringsverket), in relation with the Evaluation of Dental Care Reform, December 1999 - February 2000.

The National Social Insurance Board (Riksförsäkringsverket), in relation with an investigation concerning Cost Effectiveness of the Local Social Insurance Offices, March 1999.

The Swedish Agency for Administrative Development (Statskontoret), in relation with Analysis of organization and costs in production of school education, elderly care, day care and health care services by municipalities, August-December 1996.

The National Social Insurance Board (Riksförsäkringsverket), in relation with an investigation concerning Introduction of a new system of sharing pensions between married couples, February-May 1993.

## **K. TEACHING AND SUPERVISION**

### **K.1 Teaching Experience**

#### **Teaching in 2021:**

Macroeconomics II, Jönköping International Business School, Jönköping University, Sweden, February-May 2021, Co-teaching, PhD Course.

Advanced Econometric Analysis, Jönköping International Business School, Jönköping University, Sweden, February-May 2021, Co-teaching, MSc Course.

Advanced Applied Econometrics, Jönköping International Business School, Jönköping University, Sweden, February-May 2021, PhD Course.

Advanced Macroeconomics and Growth, Jönköping International Business School, Jönköping University, Sweden, November-December 2021, Co-teaching, MSc Course.

#### **Teaching in 2020:**

Economics of Cities, Jönköping International Business School, Jönköping University, Sweden, November-December 2020, Co-teaching, Graduate Course.

Advanced Macroeconomics and Growth, Jönköping International Business School, Jönköping University, Sweden, November-December 2020, Co-teaching, MSc Course.

Classics in Economics, Jönköping International Business School, Jönköping University, Sweden, September-October 2020, PhD Course.

Advanced Applied Econometrics, Jönköping International Business School, Jönköping University, Sweden, February-May 2020, PhD Course.

Economics for Sustainable Society, Jönköping International Business School, Jönköping University, Sweden, February 2020, Co-teaching, Undergraduate course.

#### **Teaching in 2019:**

Economies for sustainable societies, Current debates: circular economy and its implementations, Jönköping International Business School, Jönköping University, Sweden, November 2019, Co-teaching, Undergraduate Course.

Environmental Economics, Department of Economics, Sogang University, March-June, 2019, Undergraduate Course.



Environmental Economics, Department of Economics, Sogang University, March-June 2019, Graduate Course.

Advanced Econometrics, Jönköping International Business School, Jönköping University, Sweden, January-June 2019, PhD Course.

**Teaching in 2018:**

Principles of Microeconomics, Department of Economics, Sogang University, September-December 2018, Undergraduate Course.

Environmental Economics, Department of Economics, Sogang University, September-December, 2018, Undergraduate Course.

Principles of Microeconomics, Department of Economics, Sogang University, March-June 2018, Undergraduate Course.

Environmental Economics, Department of Economics, Sogang University, March-June 2018, Graduate Course.

**Teaching in 2017:**

Advanced Microeconomics, College of Business and Economics, Rwanda University, December 2016-January 2017, Graduate Course.

International Trade Theory, Jönköping International Business School, Jönköping University, Sweden, January-March 2017, Undergraduate Course.

Advanced Econometrics, Jönköping International Business School, Jönköping University, Sweden, March-June 2017, PhD Course.

Macroeconomics, Department of Economics, Sogang University, September-December 2017, Undergraduate Course.

Principles of Microeconomics, Department of Economics, Sogang University, September-December, 2017, Undergraduate Course.

Macroeconomics, Department of Economics, Sogang University, March-June 2017, Undergraduate Course.

Environmental Economics, Department of Economics, Sogang University, March-June 2017, Graduate Course.

Development Economics II, Addis Ababa University, Addis Ababa, Ethiopia, March-June 2017, PhD Course.

**Teaching in 2016:**

Macroeconomics, Department of Economics, Sogang University, September-December 2016, Undergraduate Course.

Principles of Microeconomics, Department of Economics, Sogang University, September-December, 2016, Undergraduate Course.

Environmental Economics, Department of Economics, Sogang University, March-June 2016, Graduate Course.

Macroeconomics, Department of Economics, Sogang University, March-June 2016, Undergraduate Course.

Advanced Econometrics, Jönköping International Business School, Jönköping University, Sweden, March-June 2016, PhD Course.

International Trade Theory, Jönköping International Business School, Jönköping University, Sweden, January-March 2016, Undergraduate Course.

**Teaching in 2015:**

Advanced Microeconomics, College of Business and Economics, Rwanda University, November-December 2015, Graduate Course.

Green Economics, Department of Industrial Economics, Royal Institute of Technology, September-October 2015, Graduate Course.

Advanced Industrial Organization, Jönköping International Business School, Jönköping University, Sweden, September-October 2015, Undergraduate Course.

Advanced Econometrics, Jönköping International Business School, Jönköping University, Sweden, March-May 2015, PhD Course.

International Trade Theory, Jönköping International Business School, Jönköping University, Sweden, January-March 2015, Undergraduate Course.

**Teaching in 2014:**

Development Economics I and II, Addis Ababa University, Addis Ababa, Ethiopia, December 2014, Graduate Course.

Advanced Industrial Organization, Jönköping International Business School, Jönköping University, Sweden, September-October 2014, Undergraduate Course.

Energy Economics and Policy, International Energy Policy Program, College of Engineering, Seoul National University, May-June, 2014, Graduate Course.

**Teaching in 2013:**

Green Economics, Department of Economics, Sogang University, September-December, 2013, Graduate Course.

Principles of Microeconomics, Department of Economics, Sogang University, September-December, 2013, Undergraduate Course.

Technological Economics ECO3003-01, Department of Economics, Sogang University, March-June 2013, Undergraduate Course.

Macroeconomics ECO2007-08, Department of Economics, Sogang University, March-June 2013, Undergraduate Course.

**Teaching in 2012:**

Advanced Macroeconomics, College of Life Sciences, Korea University, September-December 2012, Postgraduate Course.

Technological Economics, College of Life Sciences, Korea University, September-December 2012, Undergraduate Course.

Surveys of Macroeconomics, College of Life Sciences, Korea University, September-December 2012, Undergraduate Course.

Green Economics, College of Life Sciences, Korea University, March-June 2012, Postgraduate Course.

Principles of Microeconomics, College of Life Sciences, Korea University, March-June 2012, Undergraduate Course.

**Teaching in 2011:**

Application of Panel Data Econometrics to Industrial Development, College of Life Sciences, Korea University, September-December 2011, Postgraduate Course.

Surveys of Macroeconomics, College of Life Sciences, Korea University, September-December 2011, Undergraduate Course.

Technological Economics, College of Life Sciences, Korea University, September-December 2011, Undergraduate Course.

Advanced Macroeconomics, College of Life Sciences, Korea University, March-June 2011, Postgraduate Course.

Principles of Microeconomics, College of Life Sciences, Korea University, March-June 2011, Undergraduate Course.

Principles of National Development, Soran University, January 2011, and National University of Mongolia, February 2011, Postgraduate Intensive Course.

**Teaching in 2010:**

Application of Panel Data Econometrics to Industrial Development, College of Life Sciences, Korea University, September-December 2010, Postgraduate Course.

Surveys of Macroeconomics, College of Life Sciences, Korea University, September-December 2010, Undergraduate Course.

Technological Economics, College of Life Sciences, Korea University, September-December 2010, Undergraduate Course.

Advanced Macroeconomics, College of Life Sciences, Korea University, March-June 2010, Postgraduate Course.

Principles of Microeconomics, College of Life Sciences, Korea University, March-June 2010, Undergraduate Course.

Intermediate Econometrics, TEMEP, College of Engineering, Seoul National University, March-June 2010, Postgraduate Course.

Methodologies for Technology Management, Economics and Policy, TEMEP, College of Engineering, Seoul National University, March-June 2010, Postgraduate Course.

**Teaching in 2009:**

Theory of Productivity and Applications, TEMEP, College of Engineering, Seoul National University, Postgraduate Course, Fall 2009.

Industrial Technology Policy, TEMEP, College of Engineering, Seoul National University, Postgraduate Course, Fall 2009.

Introductory Econometrics, TEMEP, College of Engineering, Seoul National University, May-June 2009, Postgraduate Course.

Principles of National Development, TEMEP, College of Engineering, Seoul National University, Postgraduate Course, Spring 2009.

Methodologies for Technology Management, Economics and Policy, TEMEP, College of Engineering, Seoul National University, Postgraduate Course, Spring 2009.

Cost-Benefit Analysis of Public Projects, Ministry of Water Resources, Federal Region of Kurdistan, Hawler, January-February 2009.

**Teaching in 2008:**

Theory of Productivity and Applications, TEMEP, College of Engineering, Seoul National University, Postgraduate Course.

Industrial Technology Policy, TEMEP, College of Engineering, Seoul National University, Postgraduate Course.

Microeconomics, University of Kurdistan Hawler, February to June 2008, Undergraduate Course.

Introductory Econometrics, University of Kurdistan Hawler, February to June 2008, Postgraduate Course.

Intermediate Econometrics, University of Kurdistan Hawler, February to June 2008, Postgraduate Course.

**Teaching in 2007:**

Microeconomics, University of Kurdistan Hawler, October 2007 to February 2008, Undergraduate Course.

Microeconomics, University of Kurdistan Hawler, October 2007 to February 2008, Postgraduate Course.

Lectures on Frontier Production Function Analysis and Panel Data at the Center for Excellence for Science and Innovation Studies (CESIS), Royal Institute of Technology (KTH), Stockholm, Sweden, October 24-25, 2007.

Introductory Econometrics, University of Kurdistan Hawler, April-June 2007, Postgraduate Course.

Microeconomics, University of Kurdistan Hawler, April-June 2007, Postgraduate Course.

**Teaching in 2006:**

Advanced Efficiency and Productivity Analysis: With Applications to the Korean Economy, Techno-Economics and Policy Program, Seoul National University, March-June 2006, Postgraduate Course given jointly with Jeong-Dong Lee.

Industrial Technology Policy, Techno-Economics and Policy Program, Seoul National University, March-June 2006, Postgraduate Course.

Econometric Analysis of Technology Policy, Techno-Economics and Policy Program, Seoul National University, March-June 2006, Postgraduate Course.

Lectures on Dynamics of Capital Structure and Evaluation of Credit Guarantees at the Center for Excellence for Science and Innovation Studies (CESIS), Royal Institute of Technology (KTH), Stockholm, Sweden, January 30, 2006.

**Teaching in 2005:**

Technology Policy, Techno-Economics and Policy Program, Seoul National University, September-December 2005, Postgraduate Course.

Methods in Science and Technology, Techno-Economics and Policy Program, Seoul National University, September-December 2005, Postgraduate Course.

Topics in Applied Economics, an elective part of the postgraduate programs in Economics and Finance offered at Department of Economics and Department of Quantitative Economics, Dongbei University of Finance and Economics, Dalian, China.

Industrial Technology Policy, Techno-Economics and Policy Program, Seoul National University, March-June 2005, Postgraduate Course.

Econometric Analysis of Technology Policy, Techno-Economics and Policy Program, Seoul National University, March-June 2005, Postgraduate Course.

Globalization, Growth, Inequality and Poverty, an elective part of the three MA programs: Globalization, Governance, and Development Evaluation, offered as holder of 2005 Special Chair in Economics at Institute for Development Policy and Management (UA-IDPM), University of Antwerp.

#### **Teaching in 2004:**

Applied Microeconomics, Techno-Economics and Policy Program, Seoul National University, September-December 2004, Advanced postgraduate course.

Advanced Applied Microeconometrics, Techno-Economics and Policy Program, Seoul National University, September-December 2004, Advanced postgraduate course.

Performance Analysis: A Parametric Approach with Applications to Agriculture, Manufacturing and Services, Helsinki University, Faculty of Forestry and Agriculture, June 2004, Advanced postgraduate course given jointly with Professor Subal Kumbhakar, University of Binghamton.

#### **Teaching in 1994-2003:**

Utilization of Panel Data in Agriculture, Helsinki University, Faculty of Forestry and Agriculture, June 2003, Advanced postgraduate course given jointly with Professor Cheng Hsiao, University of Southern California.

Topics in Applied Microeconometrics, Stockholm School of Economics (2000), Helsinki University (2002) and Dohuk University (2002), Advanced postgraduate course.

Microdata Econometrics, Stockholm School of Economics (1999 and 2000), Advanced postgraduate course.

Productivity Analysis, Gothenburg University (1994) and Stockholm School of Economics (1999), Postgraduate course.

Econometric Analysis of Panel Data, Gothenburg University (1996, 1997 and 1998), and Stockholm School of Economics (2000 and 2001), Advanced postgraduate course.

Econometric Analysis, Jönköping University (1996), Postgraduate course.

Basic Statistics, Jönköping University (1995), Undergraduate course.

## **K.2 Supervision and Evaluation of M.Sc. and Ph.D. Thesis**

### **Ph.D. Thesis:**

Advisor of PhD Thesis in (Development) Economics by Amare Fentie Tareke, Essays On Energy Transition, its Drivers and Welfare Implications, Jönköping International Business School, Expected completion June 2024.

Deputy Advisor of PhD Thesis in Development Economics by Goran Mustafa Muhamad, Private Sector Development in Kurdistan Region of Iraq: Lessons Learnt from the Role of the Government in Emerging Economies, University of Kurdistan at Hewler, Erbil, Kurdistan Region of Iraq, Defended on July 9, 2020.

Advisor of PhD Thesis in Development Economics by Tsegay Kaleab, Efficiency analysis of Ethiopian Airports, Addis Ababa University and Jönköping International Business School, Defended on June 22, 2020.

Deputy Advisor of PhD Thesis in Development Economics by Kokeb Georgis, International Migration, Remittances and Labor Market in Ethiopia, Addis Ababa University and Jönköping International Business School, Defended on June 22, 2020.

Advisor of PhD Thesis in Development Economics by Guta Legesse, Determinants of Firms Growth and Performance in Ethiopia, Addis Ababa University and Jönköping International Business School, Defended on June 16, 2020.

Advisor of PhD Thesis in Development Economics by Tsegaye Mulugeta, Impacts of Improved Agricultural Technology Adoption on Multidimensional Poverty in Rural Ethiopia, Addis Ababa University and Jönköping International Business School, Defended on June 16, 2020.

Advisor of PhD Thesis in Development Economics by Yonatan Desalegn, Household Welfare and Farm and Non-Farm Incomes in Rural Ethiopia, Addis Ababa University and Jönköping International Business School, Defended on June 15, 2020.

Advisor of PhD Thesis in Development Economics by Selamawit Gebreegziabher, Essays on the Path to Industrialization in Ethiopia, Addis Ababa University and Jönköping International Business School, Defended on May 22, 2020.

Deputy Advisor of PhD Thesis in Development Economics by Yvonne Umulisa, Effects of Common Currency on Intra-Regional Trade, University of Rwanda and Jönköping International Business School, Defended on April 29, 2020.

Advisor of PhD Thesis in Development Economics by Getu Tigre, Multidimensional Poverty and Its Dynamics in Ethiopia, Addis Ababa University and Jönköping International Business School, Defended on December 12, 2019.

Advisor of PhD Thesis in Development Economics by Yemane Michael, The Impact of VAT on Poverty Reduction, Income Inequality and Economic Welfare in Ethiopia, Addis Ababa University and Jönköping International Business School, Defended on May 6, 2019.

External Examiner of the Ph.D. thesis by Pontus Mattsson, Essays on Efficiency, Productivity, and Impacts of Policy, Linnaeus University, Växjö, Sweden, October 25, 2018.

Member of the Evaluation Committee of the Ph.D. Thesis in Economics by Haeyeon Yoon, Essays on Firm Growth and Resource Allocation in International Trade, Sogang University, Defended on October 12, 2018.

Member of the Evaluation Committee of the Ph.D. Thesis in Technology Management by Omer Gabreel, Information and Communication Technology for Development and Bridging the Digital Divide: A Holistic Stepwise Development Approach to Developing Knowledge-based economies and artefact, Seoul National University, Defended on July 2, 2018.

Member of the Evaluation Committee of the Ph.D. Thesis in Technology Management by Woolrim Lee, Social-Network-Analysis-Based Models for Innovation Research, Seoul National University, Defended on June 12, 2018.

External Examiner of the Ph.D. thesis by Aimable Nsabimana, Essays on Household Demand and Agricultural Policy Implications in Developing Countries, Swedish University of Agricultural Sciences, Uppsala, Sweden, Defended on May 27, 2018.

Advisor of PhD Thesis in Development Economics by Oumer Berisso, Impact of Climate Variation on Cereal Crops Productivity, Efficiency, Food Security in Ethiopia, Addis Ababa University and Jönköping International Business School, Defended on February 2018.

Advisor of PhD Thesis in Development Economics by Mekonnen Bersisa, Essays on Energy Sector of Ethiopia, Addis Ababa University and Jönköping International Business School, Defended on October 2017.

Advisor of PhD Thesis in Development Economics by Atnafu Gebremeskel, The relationship between bank loan and income distribution in agent based modelling, Addis Ababa University and Jönköping International Business School, Defended on April 2017.

Discussant of Pardis Nabavi PhD thesis Essays on Firms Innovation, Knowledge Acquisition and Productivity, Royal Institute of Technology, Stockholm, Pre-defence seminar, December 19, 2014.

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## REFERENCES

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