

CURRICULUM VITAE MOSTAFA MALKI

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SUMMARY

Dr. Malki is an applied economist with over 15 years experience teaching at the graduate and undergraduate level in the fields of economics, finance, entrepreneurship, management and business administration. He has led research and provided economic consulting in entrepreneurship and disruptive technologies, and regional economic development and finance across the country for municipalities, local governments, private companies and educational institutions. Dr. Malki has collaborated for the past 10 years with some of leading innovation centers, and entrepreneurship center in Sweden, including the Sten K. Johnson Centre for Entrepreneurship at the University of Lund in Sweden. Dr. Malki is also a close collaborator with Dr. Sigvald Harryson one of the world top experts in disruptive technologies and innovation.

EDUCATION

PhD Applied Economics, Auburn University, 2006
MS Economics, Auburn University, 2004
MA Finance, University of Alabama, 2000
BA Economics, University of Massachusetts-Boston, 1995

PROFESSIONAL EXPERIENCE

2018-2019 Ad-interim Professor, Economics and Finance, Texas A&M University Commerce –
Commerce
2007- Present Partner and Principal Consultant, Aaron Economic Consulting, LLC, Brownsville, Texas
2013-2016 Assistant Professor, Economics, University of North Texas – Dallas
2012-2013 Associate Professor (with Tenure), Economics and Finance, University of Texas-
Brownsville
2006-2012 Assistant Professor, Economics, University of Texas-Brownsville
2006 Visiting Assistant Professor, Auburn University-Montgomery
2003-2006 Instructor, Auburn University

TEACHING EXPERIENCE

UNDERGRADUATE

Principles of Microeconomics, Principles of Macroeconomics, Intermediate Microeconomics, Intermediate Macroeconomics, Managerial Economics, International Economics and Finance, International Economics, Personal Finance, Management of Financial Institutions, Principles of Business Finance, Fundamentals of Financial Management, Investment Principles, Financial Economics, Entrepreneurship finance, International Business, Corporate Finance, Valuation, Statistics.

GRADUATE

Business Economics, Mathematical Economics, Managerial Economics, Managerial Finance, Business Research Methods, Economic and Financial Forecasting, Statistics, Microeconomics, Macroeconomics

RESEARCH INTERESTS

My primary research interests are related to regional economic development, entrepreneurship ecosystems and disruptive technologies, international economics and trade, and regional economic development and growth. The bulk of my work attempts to extend economic models into the analyses of policies, investments and de-vestments and their economic impact at the local, regional and national level. The aim of my work is to strengthen the short and long-term economic performance and prosperity of communities and regions by understanding the factors that drive economic growth and change including entrepreneurship ecosystems. I believe that the health of a local economy depends on numerous factors such as education, environmental quality, equitable access to health care and innovation.

Selected project summaries:

MANUFACTURING INNOVATION HUB AND ADVANCED MANUFACTURING INDUSTRIAL PARK, BROWNSVILLE, TEXAS.

Analyzed the creation of an advanced manufacturing and innovation hub in Brownsville, Texas, and forecasted the demand for industrial space needed. The project included identifying emerging technologies the region ought to focus on, based on its characteristic, to create centers of excellence. The project also included collaboration with Dr. Sigvald Harryson one of the leading experts in disruptive technologies and a successful serial entrepreneur. The analysis estimated the expected economic and fiscal impact of the proposed project as well as determining the types of skills and technical know-how needed.

ECONOMIC AND FISCAL IMPACT OF SASOL PROJECT ON LAKE CHARLES, LOUISIANA

Conducted the fiscal/tax impact analysis for Sasol – a \$65 billion project in southwest Louisiana. The investment was a multi-disciplinary project that was expected to create 35,000 jobs. The project estimated the expected demographic change in each of the parishes impacted and the expected increase in demand for services, public schools, fire and police, housing, roads, and health care. The fiscal impact of such a large-scale investment on each of the affected parishes and on the state informed a benefit cost analysis and was used to develop an incentive program for each parish.

ECONOMIC AND FISCAL IMPACT OF MCNEESE STATE UNIVERSITY

Analyzed the university's economic and fiscal benefits on its host community and surrounding parishes it serves. The synthetic life earning of its graduates and the role the university plays in the vitality of local and regional economies through its annual operational and capital expenditures was estimated. The fiscal impact of the university relative to state funding was assessed; the study revealed that the university contributes more to state tax revenues than it receives in state funds.

WEST VIRGINIA STATE UNIVERSITY: IMPACT ON THE LOCAL ECONOMY

Analyzed the university's economic benefits on the economies of its host county and the surrounding 10 counties it serves. The university's contribution to the population in the 11 counties it serves both in terms of improving the synthetic life earning of its graduates and also the role the university plays in the vitality of the local and regional economies through its annual operational and capital expenditures and through the spending of its students was estimated.

ECONOMIC IMPACT OF FISH AND WILDLIFE CENTER

Analyzed the impact of the proposed South Padre Island Fish and Wildlife Center as a key piece in

developing and integrating the fish and wildlife recreation cluster. The analysis highlighted the proposed center's potential toward improving local and regional economic performance and mitigating the impact of seasonality on employment and business turnover within the hospitality industry.

WIND AND WATER ENERGY PROGRAM FOR THE GULF OFFSHORE WIND (GOWIND) PROJECT

Assessed the economic impact of wind energy and mapped the impacts across industrial clusters in south Texas. The outcome of the assessment offers a model for determining the impacts of 'green' industries on economic growth and development. Studies have shown that the magnitude of impacts is variable and dependent on what percentage of the project is done by local businesses. Policies seeking to minimize leakage of wind energy development benefits (manufacturing investment incentives, and workforce development programs) can be effective at increasing impacts to host communities with a manufacturing base and the ability to provide services to the wind industry.

QUANTIFYING THE PURCHASING POWER OF PUBLIC TRANSPORTATION IN TEXAS

Worked collaboratively with other Texas universities and across disciplines to quantify the purchasing power of public transportation in Texas. The research documents how cooperative purchasing can leverage buying power to reduce the cost of equipment, goods, and services and reduce the time and expense for administration of procurement activities for public transportation providers. My responsibility in this project was to estimate the economic impact of centralized cooperative purchasing on state and local economies.

ECONOMIC IMPACT OF THE TEXAS CLIPPER ON SOUTH PADRE ISLAND

Conducted the economic and fiscal impact analysis for Texas Parks and Wildlife Texas Clipper Artificial Reef project through a survey of divers and anglers visiting the newly created artificial reef. The survey results were used to estimate the economic and fiscal impact on South Padre Island and on Cameron County, Texas.

SOUTH PADRE ISLAND, TEXAS, ANNUAL ECONOMIC INDEX REPORT

For the past 8 years, an annual economic index report is compiled and analyzed for the City of South Padre Island, Texas. The report examines macroeconomic factors that affect the city's economy and analyzes performance indicators such as occupancy tax revenues, sales tax revenues, building permits and bank deposits. The report also includes a two-year forecast based on indicators for planning purposes.

ECONOMIC DEVELOPMENT PROJECTS:

Tenaska Energy: Economic impact on local and regional economy and site selection

Space-X: Economic impact on local and regional economy

Texas LNG: Economic impact on local and regional economy

SATA: Economic impact on local and regional economy

Maximus Call Center: Economic impact on local and regional economy

Project Bharat: Economic impact on local and regional economy

Numerous tax abatement and incentives packages for recruiting industries

REFEREED PUBLICATIONS

Malki, M. "Accelerated Extreme Breakthroughs and Disruptive Technologies: A New Paradigm" in preparation for submission.

Essayad M., W. Galose, M. Malki, O. Al-Titi, C. M. Konou “Revaluation of IMF’s Special Drawing Rights and Currency Portfolio Diversification: Implications for Oil and Gas Finance” *Journal of Energy and Development*, vol. 45, no. 1 (copyright 2020), pp. 51–63.

Malki, M. “Assessing The Regional Fiscal and Economic Impacts of Renewable Energy Projects: The Case Of Wind Farms in Cameron County, Texas” *Oil, Gas & Energy Quarterly*, Forthcoming.

Malki, M. & P. Rhi-Perez, “Tariffs impact on Texas Manufacturing Industries: A Specific Factor Model.” *International Journal of Trade and Global Markets*, Forthcoming.

Malki, M., M. Saucedo, P. Rhi-Perez, “An Input-Output Analysis of the Effects of Tariffs on Mexico Border Economies.” *International Economic Journal*, Forthcoming.

Kagochi, J., M. Malki, and D. Summers, “The Economic Contributions of Higher Institutions of Learning to Regional Communities: The Case of the University of Houston-Victoria.” *Regional and Sectoral Economic Studies*, Vol. 15-1, pages 25-34, 2015.

Malki, M. & Thompson, H. “Morocco and the US Free Trade Agreement: A specific factors model with unemployment and energy imports.” *Economic Modelling*, Elsevier, vol. 40(C), pages 269-274, 2014.

Rhi-Perez, P., S. Hsu and M. Malki. “A New Framework for Sustainable Development in US Healthcare Sector: The Case of the Lower Rio Grande Valley Medicaid Project.” *International Journal of Trade and Global Markets*, 2011.

Malki, M., H. Thompson and O. Yeboah. “Alabama Forest Products and the Potential Impacts of FTAA Price Changes” *Journal of Economic Integration*, 2010.

Malki, M., H. Thompson and O. Yeboah. “A Specific Factor Model of FTAA and North Carolina Textile and Apparel Industries” *International Economic Journal*, 2009.

Kang, M., M. Malki, F. Rassekh and H. Thompson. “Empirical Factor Abundance with Many Factors and Countries,” *International Review of Economics & Finance*, 2007.

PRESENTATIONS

Assessing the Regional Economic Impact of Renewable Energy Projects: Windmill Farms Off the Southern Gulf Coast. Academy of Business Research. New Orleans, Louisiana, March 2017.

Effects of Luxury Goods Consumption on Welfare Distribution. Academy of Business Research. Biloxi, Mississippi, November 2012.

Dynamic Comparative Advantage, Learning-by-Doing and Welfare. SEA Meetings, New Orleans, Louisiana. November 2007.

Comparing the Competitiveness of Genetically Modified Crops in the Specific Factors Model. With John Kagochi. SWEA Meetings. Albuquerque, New Mexico. March 2007.

Raking it in: The Political Ecology of Pine Straw. With Vanessa Casanova. Annual Meeting of the Rural Sociological Society, Louisville, Kentucky. August, 2006.

Some Empirical Evidence on Exchange Rate Adjustment and Capital Mobility. Departmental

Seminar. March 2006.

A Distance Measure of Factor Abundance with Many Countries and Various Factors of Production. Departmental Seminar. Spring 2005.

FTAA and North Carolina: Income Redistribution across Labor Groups. AAEA Meeting. Denver, Colorado. August 2004.

NON-REFEREED PUBLICATIONS AND TECHNICAL REPORTS

Malki, M. and I. Downing. The Economic Impact of UTB on Downtown Brownsville. 2013.

Malki, M. and V. Casanova. The Economic Impact of UTB/TSC on the Local Community. 2011.

Cherrington, L., S. Edrington, M. Malki, M. Beruvides, J. Simonton, N. Waters, S. Chaivichitmalakul, H. Palikhe, J. Walewski. FHWA/TX-10/0-6194-1 "QUANTIFYING THE PURCHASING POWER OF PUBLIC TRANSPORTATION IN TEXAS: TECHNICAL REPORT. 2010.

Malki, M., R. Otero, Y. Chi and V. Casanova. Texas Clipper Economic Evaluation Program, Final Report. Submitted to Texas Parks and Wildlife Department, 2010.

AWARDS & GRANTS

HONORS & AWARDS

National Institute For Staff And Organizational Development (NISOD) Excellence Award, University Of Texas, 2011

Exceptional Merit, University Of Texas-Brownsville, 2009

Nominee, Chancellor's Teaching Award, University Of Texas-Brownsville, 2007-2008

Outstanding Graduate Student Teaching Award, Auburn University, 2004-2005

GRANTS

Department of Energy. Wind and Water Energy Program for the Gulf Offshore Wind (GoWind) Project. \$60,000. Co-PI, Jude Benavides.

Texas Department of Transportation. Quantifying the Purchasing Power of Public Transportation in Texas. \$9,518.

Texas Parks & Wildlife Department. Economic Impact of the Texas Clipper on South Padre Island. \$45,000.

SERVICE

TO THE UNIVERSITY

University Faculty Senate (UTB), 2008-2010; 2010-2012; 2012-2014

Senate Welfare Committee (UTB), 2008-2010; 2010-2012; 2012-2014

University Undergraduate Curriculum Committee (UTB), 2007-present

Provost's Budget Committee (UTB), 2010, 2012

General Education Core Curriculum Committee (UTB), 2010-2011

School of Business, Dean Search Committee (UTB), 2010

International Advisory Board

Brownsville Student Branch of the Institute of Electrical and Electronics Engineers (IEEEBSB),
Speaker - Looking Beyond the Value of An Engineering Education: The Role of
Financial Planning in Your Career, September 29, 2010

TO THE SCHOOL OF BUSINESS

School of Business Undergraduate Curriculum Committee
School of Business Faculty Committee
School of Business Seminar Series Coordinator
School of Business Faculty Search Committee, 2007-2008
School of Business Faculty Search Committee, (Chair) 2009-2010
School of Business Personnel Committee

TO THE DEPARTMENT

Dual Enrollment Coordinator
Study Abroad Coordinator - Denmark/Sweden
Curriculum Committee, Chair
Personnel Committee, Chair

TO THE PROFESSION

Invited Lectures:
Working with IMPLAN, Elizabeth City State University, 2012
Working with IMPLAN, McNeese State University, 2012
CGE Modeling Health Policy, McNeese State University, 2012
Computable General Equilibrium Models, North Carolina A&T State University, February,
2005.

TO THE COMMUNITY

IMAGINE Brownsville, Technical Committee
United Brownsville, Technical Committee
IMAGINA Matamoros, Technical Committee
Member Volunteer of RGV SCORE, Counselors to America's Small Business
KRINOVA, Kristianstad Initiative

IN THE PRESS

"Panel evaluates Valley's economic future" November 15, 2008
"Brownsville ranks high in affordability, but wages lag" May 05, 2009
"Economy continues downward spiral" November 08, 2008
"Business prosperity dwindles: Brownsville feels effects of recession" February 14, 2009

TELEVISION APPEARANCES

KVEO Channel 23 News, September 25, 2007
Ron Whitlock Show, April 12, 2009
Ron Whitlock Show, April 26, 2009
Ron Whitlock Show, August 28, 2010
KVEO Channel 23 News, December 2, 2010

INVITED PRESENTATIONS

Economic Impact of an Additional Flight on the Economy of Brownsville. Brownsville City
Hall. 2008
Topics in Economic Modeling, El Colegio de Arquitectos del Noreste de Tamaulipas, A.C. Y
El Colegio de Ingenieros Civiles de Matamoros, A.C. October 2007.
Biodiesel as Economic Development. ITEC Business Luncheon. March 2006.

FACULTY & PROFESSIONAL DEVELOPMENT ACTIVITIES

MathLab Statistical Applications, 2012
MathLab Financial Applications, 2012
ESRI Arc/GIS Course, 2012
IMPLAN Course, 2010
EcoMod Course, Computable General Equilibrium Models Using GAMS, 2007
ESRI Arc/GIS Course, 2007
IMPLAN Course, 2007

SKILLS

SAS Statistical software; STATA Statistical software; REMI Fiscal Analysis software; IMPLAN software; GIS software, Oracle Crystal Ball; Lean Six Sigma

Fluent in French, Arabic, English; basic knowledge of Spanish

CONSULTING & BOARD MEMBERSHIP

Valley Federal Credit Union, Board Of Directors
Brownsville-South Padre Island International Airport, Board Of Directors
South Padre Island Economic Development Corporation, Consultant
Brownsville Economic Development Council, Consultant
Aaron Economic Consulting, Principal Consultant
Tenaska, Inc., Consultant
Taylorcraft 2000, Consultant
City Of South Padre Island, Consultant
City Of Brownsville, Consultant
Krinova, Consultant
Otaner-Denmark, Consultant
Matamoros Maquila Association, Consultant

PROFESSIONAL MEMBERSHIPS

American Economic Association
American Agricultural Economics Association
EcoMod Network
Midwest International Economics Group
Southern Economics Association
Southwest Economics Association

REFERENCES

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Collaborator on Morocco/Mexico development project

Pablo Rhi-Perez, Ph.D.
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Colleague and collaborator at UT-RGV and Imagine Brownsville