
MOSTAFA MALKI

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AMERICA'S ADDITIVE FOUNDRY
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Academic Appointments (2005 – 2024)

11/2023 – present: Executive Director for Business Development, America's Additive Foundry, Center for Advances Manufacturing Innovation and Cyber Systems (Camics)

2021-Present: Visiting Associate Professor of Entrepreneurship, Center of Innovation and Commercialization, University of Texas- RGV University of Texas- RGV.

2018-2019: Ad-interim Professor, Economics and Finance, Texas A&M University Commerce – Commerce, Texas

2013-2016: Assistant Professor, Economics, University of North Texas – Dallas

2012-2013: Associate Professor (with Tenure), Economics and Finance, University of Texas- Brownsville, Texas

2006-2012: Assistant Professor, Economics, University of Texas-Brownsville, Texas

2006 Visiting Assistant Professor, Auburn University-Montgomery, Texas

2003-2006 Instructor, Auburn University, Alabama

Professional Experience (2007-2024)

2019-Present: Advisor to the Kristianstad Initiative with the Krinova Innovation Center, Kristianstad, Sweden, and OTANES-NIT Studies, Copenhagen , Denmark

2007- Present: Partner and Principal Consultant, Aaron Economic Consulting, LLC, Brownsville, Texas

Recent Experience Relevant to the EPA Proposal

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.

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.

Representative Publications

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

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*

Awards and Honors

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
