

Zeus Guevara

EQUIDE Research Institute for Equitable Development
Universidad Iberoamericana

zeus.guevara@ibero.mx

+52 55 59504000 ext. 7719

EDUCATION

PhD **MIT Portugal – University of Lisbon**
Sustainable Energy Development, 2015

MSc **Eindhoven University of Technology**
Sustainable Energy Technology, 2010

BA **UNAM – Faculty of Engineering,**
Mechanical Engineering, 2005

PROFFESIONAL EXPERIENCE

University of Guadalajara

Postdoctoral research Fellow, 2016-2017

Research on multi-regional energy trends and energy-climate policy

University of Lisbon

Postdoctoral research Fellow, 2016

Research on energy decoupling and useful exergy trends in European countries

Institute of Economic Research, UNAM

Postdoctoral research Fellow, 2015

Research on structural reforms and energy-economic performance in Mexico

URS Corporation de Mexico

Associate Project Manager & Engineer, 2007-2008

Coordination and consultancy of projects to the energy sector

Selmec Equipos Industriales

Technical Engineer of Thermal Energy, 2006

Technical support to clients

FELLOWSHIPS AND AWARDS

University of Guadalajara

Research grant to develop a *Hybrid Renewable Energy System*, 2017

Research grant to study *methods of estimation of renewable energy potential*, 2017

National Research Council (CONACyT)

Postdoctoral research grant, 2016 - 2017

University of Lisbon

Postdoctoral research grant, 2016

National Autonomous University of Mexico (UNAM)

Postdoctoral research grant, 2015

University of Lisboa

PhD. Summa Cum Laude, 2015

Singularity University,

Global Studies Program Scholarship, 2012

MIT Portugal Program,

Doctoral degree Fellowship, 2010 – 2014

CONACyT

Doctoral degree Scholarship, 2011 – 2014

Master's degree Scholarship, 2008 – 2010

Eindhoven University of Technology (TU/e)

MSc. Graduated with Great Appreciation, 2010

TU/e Foundation

Master's degree Fellowship, 2008 – 2010

UNAM

Gabino Barreda Medal, 2006

National Association of Engineering Faculties and Schools

National Recognition for the Highest Engineering Graduate, 2006

UNAM

High Academic Performance Program, 2005

TEACHING**University of Guadalajara, 2017**

Master level teacher in: Energy systems and Sustainable Development.

RECENT PUBLICATIONS**REPORTS****Guevara, Z.** (2015). Situación Energética de México: Bases para el Análisis de la Reforma Energética del 2014. PAPIIT Project - IV300515. Instituto de Investigaciones Económicas, UNAM: Mexico City**Guevara, Z., R. Bouchain, A. Ríos** (2015). Teoría de Cambio de las Reformas Estructurales. PAPIIT Project - IV300515. Instituto de Investigaciones Económicas, UNAM: Mexico City**Guevara, Z.** (2015). Bases Metodológicas de la Teoría de Cambio. PAPIIT Project - IV300515. Instituto de Investigaciones Económicas, UNAM: Mexico City**ARTICLES**Bagheri, M., **Z. Guevara**, M. Alikarami, C. A. Kennedy, G. Doluweera (*submitted*) Green Growth: A Multi-Factor Energy Input–Output Analysis of Canadian Economy. Energy Economics**Guevara, Z., T. Domingos** (2017). Three-level decoupling of energy use in Portugal 1995-2010. Energy Policy, 108, 134-142. <http://dx.doi.org/10.1016/j.enpol.2017.05.050>**Guevara, Z., T. Domingos** (2017). Three-level decoupling of energy use in Portugal 1995-2010. Energy Policy, 108, 134-142. <http://dx.doi.org/10.1016/j.enpol.2017.05.050>**Guevara, Z., O. Córdoba, E. X. M. García, R. Bouchain** (2017). The status and evolution of energy supply and use in Mexico prior to the 2014 energy reform: An input-output approach. Economies, 5, 10. <http://dx.doi.org/10.3390/economies5010010>**Guevara, Z., T. Domingos** (2017). The multi-factor energy input-output model. Energy Economics, 61, 261-269. <http://dx.doi.org/10.1016/j.eneco.2016.11.020>

Guevara, Z., T. Sousa, T. Domingos (2016). Insights on energy transitions in Mexico from the analysis of useful exergy 1971-2009. *Energies*, 9, 488. <http://dx.doi.org/10.3390/en9070488>.

Palma, M., T. Sousa, **Z. Guevara** (2016). How Much Detail Should We Use to Compute Societal Aggregated Exergy Efficiencies? *Energies*, 9, 364. <http://dx.doi.org/10.3390/en9050364>

Guevara, Z., J.F.D. Rodrigues (2016). Structural transitions and energy use: A decomposition analysis of Portugal 1995-2010. *Economic Systems Research*, 28, 202-223. <http://dx.doi.org/10.1080/09535314.2016.1157456>

OTHERS

Guevara, Z., M. Marquez (2017). The complexity of multi-regional economic systems. Conference on Complex Systems, Cancun.

Guevara, Z., M. Marquez, E. X. M. García (2017). The energy relationships between Canada, Mexico, and the U.S.: A multi-regional multi-factor approach. VII Spanish Conference of Input-Output Analysis, Merida.

Henriques, S., **Z. Guevara**, T. Sousa, A. Silvério (2015). The decline of energy intensity in Denmark: highlighting the role of energy efficiency (1972-2009). XVII World Economic History Congress, Kyoto

Guevara, Z., S. Muñoz, S. Henriques, T. Sousa (2015). Why the primary energy intensities of the EU14 differ? An input-output approach. 23rd International Input-Output Conference, Mexico City, Mexico.

Guevara, Z., T. Sousa, T. Domingos (2014). An approach for a better evaluation of energy efficiency trends using index decomposition analysis and useful work accounting. 6th Workshop of Environmental and Energy Economics, A Toxa, Spain.