

MARCUS ANTONIUS YNALVEZ, Ph.D.

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CURRENT EMPLOYMENT

Assistant Professor of Sociology, Dept. Public Affairs and Social Research, Texas A&M International University, 2007-2012; Visiting Professor, Dept. of Behavioral, Applied Sciences and Criminal Justice, 2006-2007

ACADEMIC POSITIONS HELD

Instructor, Department of Sociology, Louisiana State University, 2003-2006
Instructor, Evening School, Louisiana State University, 2004-2006

EDUCATION

Ph.D. Sociology (2006), Louisiana State University
Dissertation: "Dynamics of Globalization in Philippine Scientific Communities," Chair: Wesley Shrum

M.A. Sociology, minor in statistics (1996), University of the Philippines at Los Baños
Master Thesis: "Personal Efficacy in Farming as a Mediating Factor between Socio-Economic Characteristics and Adoption of Modern Rice Growing Technologies"

B.S. Statistics, minor in sociology (1988), University of the Philippines at Los Baños
Undergraduate Thesis: "Comparison of Regression Techniques"

RELEVANT RESEARCH EMPLOYMENT

Program Analyst, Programs East Department, Asian Development Bank, Manila, 2000-2001
Statistics Analyst, Economic Development Resource Center, Asian Development Bank, Manila, 1997-2000
Senior Research Assistant, Biometrics Unit, International Rice Research Institute, 1993-1997
Programmer, Los Baños Computer Center, University of the Philippines at Los Baños, 1989-1993

AREA OF SPECIALIZATION

Sociology of science and technology
Science and technology policy
Quantitative methods
Social networks

GRANTS

External Grants

Recipient, Travel Grant, Gordon Research Conferences & National Science Foundation, \$750; 2012

Principal Investigator, "School-Located Influenza Vaccination Study," Laredo Independent School District, \$5,000; 2012

Principal Investigator, "Supplement - Transmission of Tacit Skills in East Asian Graduate Science Programs," National Science Foundation (Award # SES 09-38298), \$49,647; 2009-2012

Principal Investigator, "Transmission of Tacit Skills in East Asian Graduate Science Programs," National Science Foundation (Award # SBE 08-30109); \$335,709; 2008-2012

Co-Principal Investigator, "Dynamics of Globalization in Philippine Scientific Communities," National Science Foundation (Award # SES 04-32114); \$12,000; 2004-2005

Internal Grants

Recipient, University Travel Grant, \$2,000; 2010-2011

Collaborator, "Predictors of Success for Nursing Students from Minority Populations," \$10,000; 2009

Principal Investigator, "A Social Network and Time Diary Approach to Examine Factors Predicting Child Body Mass," \$7,000; 2008

Principal Investigator, University Mini Grant, \$550; 2007

PUBLICATIONS

Peer-Reviewed Articles

Ynalvez, M. A., Ynalvez, R.A., Torregosa, M. B., Palacios, H., Kilburn, J. C. (2012). Do cell phones, iPods/MP3 players, siblings, and friends matter? Predictors of child body mass in a U.S. southern border city middle school. *Obesity Research and Clinical Practice*, 6, 339-353.

Palackal, A., Mbatia, P. N., Dzorgbo, D. S., Duque, R. B., **Ynalvez, M. A.**, Shrum, W. (2011) Are mobile phones changing social networks: A longitudinal study of core networks in Kerala. *New Media and Society*, 13(3), 391-410.

Shrum, W., Mbatia, P. N., Palackal, A., Dzorgbo, D.-B. S., Duque, R. B., **Ynalvez, M. A.** (2011). Mobile phones and core network growth in Kenya: Strengthening weak ties. *Social Science Research*, 40, 614-625.

Ynalvez, M. A., & Shrum, W. M. (2011). Professional networks, scientific collaboration, and publication productivity in resource-constrained research institutions in a developing country. *Research Policy*, 40(2), 204-216.

Hara, N., Alsarhan, H., Kilburn, J., **Ynalvez, M. A.**, Ynalvez, R., Chen, K.-H. (2010). Learning tacit knowledge in life science graduate programs in Taiwan. *Proceedings of the American Society for Information Science and Technology*, 47(1), 1-5.

- Ynalvez, M. A.**, Shrum, W. M. (2009). International graduate science training and scientific collaboration. *International Sociology*, 24(6), 870-901.
- Duque, R. B., **Ynalvez, M. A.** (2009). Internet practice and sociability in South Louisiana. *New Media & Society*, 11(4), 487-507.
- Ynalvez, M. A.**, Shrum, W. (2008). International graduate training, digital inequality and professional network structure: An ego-centric social network analysis of knowledge producers at the "Global South". *Scientometrics*, 76(2), 343-368.
- Sooryamoorthy, R., Duque, R. B., **Ynalvez, M. A.**, Shrum, W. (2007). Scientific collaboration and the Kerala model: Does the internet make a difference? *Journal of International Development*, 19(7), 982-996. doi: 10.1002/jid.1376
- Shrum, W., Duque, R., **Ynalvez, M. A.** (2007). Lessons of the lower ninth: Methodology and epistemology of video ethnography. *Technology in Society*, 29(2), 215-225.
- Ynalvez, M. A.**, Shrum, W. (2006). International training and the digital divide: Computer and email use in the Philippines. *Perspectives on Global Development & Technology*, 5(4), 277-302. doi: 10.1163/156915006779206051
- Duque, R. B., **Ynalvez, M. A.**, Sooryamoorthy, R., Mbatia, P., Dzorgbo, D. B. S., Shrum, W. M. (2005). Collaboration paradox: Scientific productivity, the internet, and problems of research in developing areas. *Social Studies of Science* (Sage), 35(5), 755-785. doi: 10.1177/0306312705053048
- Ynalvez, M. A.**, Duque, R. B., Mbatia, P., Sooryamoorthy, R., Palackal, A., Shrum, W. (2005). When do scientists "adopt" the internet? Dimensions of connectivity in developing areas. *Scientometrics*, 63(1), 39-67.

Book Chapters

- Shrum, W. M., Duque, R. B., **Ynalvez, M. A.** (2010). Outer space of science: A video ethnography of reagency in Ghana. In P. Meusburger, D. N. Livingstone, H. Jons & K.T. Stiftung (Eds.), *Geographies of Science* (Vol. 3, pp. 151-163). Dordrecht: Springer.
- Miller, B.P., Duque, R.B., Anderson, M., **Ynalvez, M.A.**, Sooryamoorthy, R., Palackal, A., Dzorgbo, D.B., Mbatia, P., Shrum, W. (2010). Internet Reagency: The Implications of a Global Science for Collaboration, Productivity, and Gender Inequity in Developing Areas. In J. Hunsinger, M. Allen, & L. Klastrup (Eds.) *International Handbook of Internet Research* (pp.379-394). The Netherlands: Springer.
- Ynalvez, M. A.**, Duque, R. B., Shrum, W. M. (2010). Shaping Research in Developing Areas. In W. H. Dutton & P. W. Jeffreys (Eds.), *Worldwide Research: Reshaping the Sciences and Humanities* (pp. 325-342). Cambridge, Mass: MIT Press.
- Ynalvez, M. A.** (2007). Does Mickey Mouse matter? International training, professional networks, and productivity of Philippine scientists. In K. B. Edited by Wesley Shrum, Weibe Bijker and Klaus Brunstein, Springer, (Ed.), *Past, Present, and Future Research in the Information Society*.

Manuscripts Under Review

Hara, N., **Ynalvez, M. A.**, Kilburn, J., Ynalvez, R., Chen, K.H. Learning tacit knowledge in life science graduate programs in Taiwan. *Educational Research*

Ynalvez R., Garza-Gongora, C., **Ynalvez, M.A.** Future Life Scientists Must Experience and Learn Leadership and Managerial Roles during Their Years in Doctoral School. *CBE Life Sciences Education*

Manuscripts-in-Progress

Ynalvez, M. A., Kamo, Y., Hara, N. (for submission to *CBE-Life Sciences Education*). Reflections on Interaction and Observation of Knowledge Producers in Selected Japanese Graduate Science Training Laboratories

Beattie, A.D., **Ynalvez, M.A.**, Kilburn, J.C., Hara, N., Ynalvez, R. (for submission to *Research Policy*). Dimensions of Social Power within the Micro-Level Context of the Molecular Biology Laboratory

Aguilar, S.M., **Ynalvez, M.A.**, Kilburn, J.C., Hara, N., Ynalvez, R., Chen, K., Kamo, Y. Publication Productivity in High Impact Journals: Does Cosmopolitanism in Professional Networking, Research Collaborating, and Scientific Conferencing Matter? *Sociological Inquiry*

Kilburn, J.C., **Ynalvez, M.A.**, Aguilar, S.M. (for submission to *Cultural Studies of Science*) Motivations for Becoming a STEM Graduate

CONFERENCE PRESENTATIONS

Invited Presentations

Marcus Antonius Ynalvez, "Professional Networks, Scientific Collaboration, and Research Productivity in Resource-Rich Research Institutions in the Non-West" Gordon Research Conference on Science and Technology Policy, Waterville Valley Resort, NH, August 5-10, 2012

Marcus Antonius Ynalvez, Ruby Ynalvez, Claudia Garza-Gongora "Future Life Scientists Must Experience and Learn Leadership and Managerial Roles during Their Years in Doctoral School" Gordon Research Seminars on Science and Technology Policy, Waterville Valley Resort, NH, August 4-5, 2012

Marcus Antonius Ynalvez, "Correlates and Predictors of Scientific Productivity" *National Institutes of Health*, Eunice Kennedy Shriver National Institute of Child Health & Human Development Regional Networking Meeting and Technical Assistance Workshop, California State University, San Bernardino, CA, June 9, 2011

Marcus Antonius Ynalvez, Noriko Hara, John Kilburn, Ruby Ynalvez. "East Asian Doctoral Science Programs Studies: Preliminary Findings," East-Asian Colloquium Series, East Asian Center, Indiana University, Bloomington, IN, December 3, 2010

Marcus Antonius Ynalvez, John Kilburn, Noriko Hara, Ruby Ynalvez. "Transmission of Tacit Skills in East Asian Doctoral Science Programs: Learning from Japan, Singapore and Taiwan," 2nd *American Association for the Advancement of Science*, NSF's Science of Science Policy Program Workshop, Washington D.C., October 19, 2010

Marcus Antonius Ynalvez, Wesley Shrum. 'Professional Networks, Scientific Collaboration, and Publication Productivity in Resource-Constrained Research Institutions in a Developing Country.' U.S.-Japan Workshop on Scientific Collaboration and Productivity, Japan National Institute of Science and Technology Policy (NISTEP) – U.S. National Science Foundation (NSF), Tokyo, Japan on March 26, 2010

Marcus Antonius Ynalvez. "Transmission of Tacit Skills in East Asian Graduate Science Programs," *American Association for the Advancement of Science*, NSF's Science of Science Policy (SciSIP) Program Workshop, Washington D.C., March 24-25, 2009

Presentations at National Conferences

Marcus Ynalvez, Noriko Hara, John C. Kilburn, Ruby A. Ynalvez, "Mentor-Mentee Interaction, Laboratory Social Environment and Scientific Productivity," Annual Meeting of the Society for Social Studies of Science, Cleveland, Nov 2-5, 2011)

Susan Marie Aguilar, **Marcus Ynalvez**, John C. Kilburn, Noriko Hara, Ruby A. Ynalvez, Kuo-Hua Chen, Yoshinori Kamo, "Scientific Productivity in East Asian Research Systems: A Neo-Durkheimian Perspective," Annual Meeting of the Society for Social Studies of Science, Cleveland, Nov 2-5, 2011)

Andrea Deyanira Beattie, **Marcus Ynalvez**, "Dimensions of Power: The Case within the Scientific Laboratory," Annual Meeting of the Society for Social Studies of Science, Cleveland, Nov 2-5, 2011)

Noriko Hara, **Marcus Ynalvez**, Yoshinori Kamo, "Qualitative Study of Becoming a Scientist in Japan," Annual Meeting of the Society for Social Studies of Science, Cleveland, Nov 2-5, 2011)

Andrea D. Beattie and **Marcus Antonius Ynalvez**, "Technical Innovation, Scientific Productivity, and Components of Power," Atlanta Conference on Science and Innovation Policy, Georgia Institute of Technology, Atlanta, September 15-17, 2011)

Susan Marie Aguilar, **Marcus Antonius Ynalvez**, John C. Kilburn, Noriko Hara, Kuo-Hua Chen, and Yoshinori Kamo "Cosmopolitanism in Science: A Productivity Study," Atlanta Conference on Science and Innovation Policy, Georgia Institute of Technology, Atlanta, GA September 15-17, 2011)

Claudia Garza-Gongora, Ruby Ynalvez, John Kilburn, Noriko Hara, **Marcus Antonius Ynalvez**. "Graduate Science Training Practices, and Mentoring Practices: Learning from Japan, Singapore, and Taiwan," Annual Meeting of the American Society of Biochemistry and Molecular Biology, Washington, D.C., April 9-13, 2011.

Marcus Antonius Ynalvez, Noriko Hara, John Kilburn, Ruby Ynalvez. "Professional Networks, Scientific Collaboration, and Research Productivity in Resource-Rich Research Institutions in Non-Western Context (Knowledge Production in East Asia)," Annual Meeting of the American Association for the Advancement of Science, Washington, D.C., February 19, 2011

Christopher N. Lawrence, Lynne L. Manganaro, **Marcus Antonius Ynalvez**. "Reforming Graduate Research Methods at a Minority-Serving Institution," American Political Science Association Teaching and Learning Conference, Baltimore, Maryland, February 6-8, 2009

Marcus Antonius Ynalvez, Wesley Shrum. "Culture and Collaboration: International Graduate Training and Science in Developing Areas," 2008 Annual Meeting of the American Sociological Association, Boston, MA, August 2008

Wesley Shrum, Antony Palackal, Ricardo Duque, **Marcus Ynalvez**, Paul Mbatia, Dan-Bright Dzorbo. "Phones and Phanatics: The Adoption of Mobiles in Kerala, Ghana, and Kenya," 2008 Annual Meeting of the Society for Social Studies of Science, Rotterdam, the Netherlands, August 2008.

Presentations at Regional Conferences

Marcus Antonius Ynalvez, Wesley Shrum. "Professional Networks, Scientific Collaboration and Publication Productivity in Resource-Constrained Research Institutions," 72th Annual Southern Sociological Society Meeting, New Orleans, Louisiana, April 2009

John C. Kilburn, **Marcus Antonius Ynalvez**. "Scientists are Born and Made: Developmental Considerations in STEM Education," 72th Annual Southern Sociological Society Meeting, New Orleans, Louisiana, April 2009

Marcus Antonius Ynalvez, Wesley Shrum. "International Graduate Training, Digital Inequality and Professional Network Structure: An Ego-Centric Social Network Analysis of Knowledge Producers at the 'Global South'," 70th Annual Southern Sociological Society Meeting, Atlanta, Georgia, April 2007

Presentations at Local Conferences

Susan Aguilar, **Marcus Antonius Ynalvez**, "Publication Productivity and Cosmopolitanism in Scientific Participation," Texas A&M University System 9th Annual Pathways Student Research Symposium, College Station, Nov 11, 2011

Andrea Deyanira Beattie, **Marcus Antonius Ynalvez**, "Asymmetrical Relationships and Techno-Scientific Productivity: A View from the Front-Line and Actual Sites of Knowledge Production," Texas A&M University System 9th Annual Pathways Student Research Symposium, College Station, Nov 11, 2011

Susan Aguilar, **Marcus Ynalvez**, John Kilburn, Noriko Hara, Ruby Ynalvez, Kuo-Hua Chen. "Professional Networks, Scientific Collaboration, and Research Productivity in Resource-Rich Research Institutions in a Non-Western Context," 7th Annual Texas A&M University System Pathways Students Research Symposium in Laredo, Texas on 13-14 November 2009

Cristina Rosales, Isabel Perez, **Marcus Antonius Ynalvez**. "Health Status of 6th Graders in a Selected Laredo Middle School: An Exploratory Study," NIH-TAMIU-LCC PUENTES Program, Texas, July 2009

STUDENT COMMITTEES

Doctoral

External Committee Member: Marivic B. Torregosa (University of Wisconsin Milwaukee), 2010-2011

Masters

Chair: Marissa Laurel-Wilson, Nora P. Galvan; December 2012

Chair: Susan M. Aguilar, Andrea D. Beattie; May 2012

Committee Member: Gabriela M. Leon; May 2012

Committee Member: Claudia Garza-Gongora, Virgilio I. Barrera; 2011

Committee Member: Roger Rodriguez; 2007

HONORS AND AWARDS

University

- Second Largest Sponsored Research - Junior Faculty, 2011
- Largest Sponsored Research Award - Junior Faculty, 2010
- Top-three nominee, International Faculty Award, 2010
- Top-three nominee, International Faculty Award, 2009

College

- Scholar of the Year, College of Arts and Sciences, 2010

Department

- Scholar of the Year, Department of Behavioral, Applied Sciences, and Criminal Justice, 2009

SURVEY RESEARCH EXPERIENCES

Surveys Outside the U.S.

- Overall Director, Japan Surveys, Transmission of Tacit Skills in East Asian Graduate Science Programs, 2010
- Overall Director, Singapore Surveys, Transmission of Tacit Skills in East Asian Graduate Science Programs, 5 July - 05 August 2010
- Survey Manager, LSU Dept. of Sociology's World Science Project Kenya Quantitative Survey, 2005
- Survey Manager, LSU Dept. of Sociology's World Science Project Philippines Quantitative Survey, 2005
- Survey Manager, LSU Dept. of Sociology's World Science Project Philippines Qualitative Interviews, 2004

Surveys Within the U.S.

- Survey Manager, A Social Network and Time Diary Approach To Examine Factors Predicting Child Body Mass: An Inter-School District Comparison, Texas A&M International University, 2008-2009
- Sampling Manager, New Orleans Levee Breach Project, Louisiana State University, 2005
- Interviewer, Hurricane Katrina Displaced People Needs Survey, Louisiana State University, 2005

COMMUNITY SERVICE

Professional

- Gordon Research Seminar on Science and Technology Policy, Mentor, 2012
- Alpha Kappa Delta, International Sociology Honor Society, Faculty Adviser, 2011-2012
- National Science Foundation, Committee of Visitors, External Expert Member, 2011
- Atlanta Conference on Science and Innovation Policy, Moderator, 2011
- National Science Foundation, Science Technology and Society Program, Reviewer, 2010-2011
- National Science Foundation, Science of Science and Innovation Policy Program, Reviewer, 2010-2011
- Social Studies of Science, Reviewer, 2010
- WPC Press, Book Reviewer, 2010
- International Conference on Politics and Information Systems, Reviewer, 2009-2010
- Review of General Psychology, Reviewer, 2009
- Society for Social Studies of Science, Teaching Coordinator, 2007-2011
- Journal of Criminal Justice, Reviewer, 2007

- Southern Sociological Society Annual Meeting, Moderator, April 2007

University

- Lamar Bruni-Vergara and Guillermo Benavides Z Academic Conference, Judge, 2012
- Institutional Review Board, Member, 2011-2013
- Student Fee Advisory Committee, Faculty Representative, 2010
- New Faculty Orientation Program, Panelist, 2009-2011
- TAMUS Pathways, Judge and Moderator, 2009
- Institutional Review Board, Member, 2008-2011
- Lamar Bruni-Vergara and Guillermo Benavides Z Academic Conference, Steering Committee Member, 2007, 2010-2011
- Proposal Evaluation Committee for Food Service Operations, Member, 2007
- Admissions and Exceptions Committee, Member, 2006-2008

College

- STEM-MORE-REP Education and Enrichment Project, Lecturer, 2012
- STEM-REP Recruitment and Enrichment Project, Lecturer, 2011
- Member, Psychology Search Committee, Dept. of Behavioral Sciences, 2010
- Coordinator, Sociology Program, 2009
- Laredo Community Survey, 2009
- Coordinator, Sociology Program, 2008
- Associate Editor, Journal of Social and Ecological Boundaries, 2008
- Associate Editor, Journal of Social and Ecological Boundaries, 2007
- Committee Member, Journal of Social and Ecological Boundaries, 2007
- Reviewer, Journal of Social and Ecological Boundaries , 2007
- Curriculum Review Representative, Sociology Program, Dept. of Behavioral Sciences, 2007
- Program Committee Member, College of Arts and Sciences Academic Conference, 2007
- Moderator, College of Arts and Sciences Academic Conference, 2007
- Member, TAMIU Student Worker of the Month Selection Committee, 2006

Department

- Dating Violence Prevention Program, Speaker, 2011
- Psychology Program, Search Committee, Member, 2010
- Sociology Program, Coordinator, 2008-2009
- Sociology Program, Curriculum Review Representative, 2007

Community

- Judge, Laredo Independent School District Science Fair, 2012
- Judge, J.B. Alexander High School's University Interscholastic League, 2010
- Judge, Spelling Bee, Laredo, Texas, 2007

PROFESSIONAL MEMBERSHIPS

American Association for the Advancement of Science
Alpha Kappa Delta, International Sociology Honor Society
American Sociological Association
Phi Kappa Phi Honor Society
Society for Social Studies of Science
Southern Sociological Society

COURSES TAUGHT AT TAMIU

- SOCI 1301 – Introduction to Sociology
- SOCI 1306 – Contemporary Social Problems
- SOCI 3304 – Undergraduate Sociological Theory (WIN and in traditional format)*
- SOCI 3305 – Social Research Methods (WIN and in traditional format)*
- SOCI 4310 – Social Inequality
- SOCI 4375 – Special Studies in Sociology: Globalization (On-Line)
- SOCI 4380 – Senior Pro-seminar (WIN and in traditional format)*
- SOCI 5302 – Advanced Social Research Methods
- SOCI 5303 – Seminar in Sociological Theory
- SOCI 5321 – Social Inquiry (on-line and in traditional face-to-face format)
- SOCI 5322 – Advanced Quantitative Methods

*WIN = writing intensive