

Tarek H. Selim, PhD
Professor of Economics and Strategy
American University in Cairo

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CAREER EXPERIENCE

Dr. Selim has a career spanning 25 years of academic and professional experience in the fields of microeconomics, industrial economics, business economics, competition and strategy, game theory, and project evaluation.

JOB AND AFFILIATION

Dr. Selim is Professor and former Chair of the Department of Economics, School of Business, American University in Cairo. He has been visiting researcher at Massachusetts Institute of Technology's Industrial Performance Center, faculty affiliate to Harvard Business School's Microeconomics of Competitiveness Network, and founding member of the Alfred P. Sloan Industry Studies Association at the University of Pittsburg. He is research fellow of the Economic Research Forum (ERF) and has been Senior Economic Advisor to the Egyptian Competition Authority.

ACADEMIC PROGRAMS

- PhD, Economics, *George Washington University*, USA, 2002
- MBA, *Johns Hopkins University*, USA, 2001
- MS, Economics, *Iowa State University of Science and Technology*, USA, 1997
- MS, Industrial Engineering, *American University in Cairo*, Egypt, 1995
- BS (Honors), Mechanical Engineering, *American University in Cairo*, Egypt, 1992
- Summer School, *Harvard University*, USA, 1991
- University of London General Certificate of Education, *International School of Choueifat*, Emirates, 1987

PROFESSIONAL PROGRAMS

- Management Development Program, *Harvard Graduate School of Education*, 2015
- Microeconomics of Competitiveness Affiliates Program, *Harvard Business School*, 2010
- Strategic Resource Planning, *Imperial College – University of London*, 2006
- Environmental Policy Management, *University of Oxford*, 2006
- Executive Decision Making Under Uncertainty, *Harvard JFK School of Government*, 2001
- Financial Planning, *Georgetown University*, 2000
- Project Management, *Massachusetts Institute of Technology*, 1998

WORK / EMPLOYMENT

- **Visiting Researcher, Industrial Performance Center, Massachusetts Institute of Technology, Fall 2016**
Industrial development & innovation eco-systems with application to BRICS and emerging markets
- **Chairman, Department of Economics, The American University in Cairo, 2013-2016**
Strategic plan and curriculum development, accreditation (AACSB, EQUIS and local), managing the department budget, faculty recruitment and support, staff supervision, and service to students including co-founding of the Economics Association and Model Egyptian Economy Policy Competitions
- **Professor, Department of Economics, The American University in Cairo, 2012 to-date**
Research, teaching and service with focus on industry studies and economic policy, service includes conference chair of the MENA Development Conference and vice-chair of university senate
- **Associate Professor, Department of Economics, The American University in Cairo, 2007-2012 (Tenured 2007)**
Research, teaching and service with industrial and energy economics focus, faculty affiliation to Harvard Business School's Microeconomics of Competitiveness course network, extensive service
- **Assistant Professor, Department of Economics, The American University in Cairo, 2002-2007**
Research, teaching and service with focus on microeconomics themes, new course on game theory
- **Senior Economic Advisor, Office of the Chairman, Egyptian Competition Authority, 2011 (Six Months)**
Strategic institutional assessment, establishment of market monitoring unit, job mapping evaluation, feedback and guidance on market & anti-trust cases, training modules on competition policy
- **Economic Advisor to the Executive Director, Egyptian Competition Authority, 2010 (Six Months)**
Guidance and training on economics of competition, assessment of market studies and anti-trust cases
- **USAID Doctoral Fellow, Institute of International Education, USAID Economic Policy Initiative Consortium (EPIC Egypt DT2 Program), 1997-2002**
Doctoral & research fellowship to complement USAID's strategic objectives for Egypt with regards to accelerated private-sector development, market liberalization & export-led economic growth
- **Research Associate, Ames Research Laboratory, Institute of Physical Research and Technology (NASA Project), Iowa State University, 1997 (Six Months)**
Research on sustainable industrial development and pollution-control equipment for industrial plants in US and recommendation policies for China
- **CARD Research Scholar, Center for Agricultural and Rural Development (CARD), Iowa State University, 1995-1997**
Research in the field of project appraisal & investment evaluation, with a focus on multi-criteria decision making for capital investment projects using financial & environmental tradeoffs
- **Economic Researcher, Information and Decision-Support Center (IDSC) at the Egyptian Cabinet, 1995 (Six Months)**
GATT and food consumption simulation using multi-market econometric analysis and decision-support tools for economic policy problems facing the Cabinet's decision-makers
- **Instructor & Teaching Assistant, Department of Mechanical Engineering, Industrial Engineering Division, The American University in Cairo, 1993-1995**
Taught courses in: Project Management, Engineering-Economic Analysis, Senior Projects I & II
- **Research Assistant, Solar Energy Lab, Department of Mechanical Engineering, The American University in Cairo, 1993-1994**
Research on experimental, design and techno-economic analysis of solar energy & solar collection systems
- **Assistant Project Manager for Aircraft Operations, Lockheed F-16 HC/HD Fighter Project, Arab Organization for Industrialization, A.O.I. Aircraft Division, Helwan-Cairo, 1992-1993**
Work focus on project budget, master scheduling, procurement and training, TQM and quality assurance, material requirements planning, tooling and production engineering for F-16 aircraft components. Project Budget: \$25 million, as part of a \$2 billion USAF program for Egypt
- **Plant Industrial Engineer, Product Supply & Manufacturing Department, Procter & Gamble – Egypt, 1992**
Responsibilities included preparation of plant budget (\$17 million), technical feasibility assessments, economic feasibility up-grades, cost control, and process reliability development for a multitude of consumer products including Tide, Head & Shoulders, Pantene, Camay, Zest, Pampers, Always, & Ariel.

TEACHING EXPERIENCE

▪ ***Undergraduate Curriculum***

Principles of Microeconomics, Principles of Macroeconomics, Intermediate Microeconomic Theory, Mathematics for Economists I, Mathematics for Economists II, Cost-Benefit Analysis, and Competitive Economy of Firms, Industries and Nations (*in affiliation with Harvard Business School*).

▪ ***Graduate Curriculum***

Game Theory and Strategy, Advanced Microeconomic Theory, Managerial Economics (MBA), Seminar on the Economics of Competitiveness (*in affiliation with Harvard Business School*), Economic Growth and Development, Environmental and Natural Resource Economics.

▪ ***Executive Education***

Executive MBA (Managerial Economics), Competition Policy (many training modules).

RESEARCH PUBLICATIONS

Dr. Selim's research publication output includes **85 research articles** in leading international journals and conferences. His publications have appeared in many academic journals including *The Energy Journal*, *Journal of Business and Economics Research*, *The Business Review of Cambridge*, *Atlantic Economic Journal*, *Journal of the American Academy of Business*, *Journal of Business Case Studies*, *Review of Social Economy*, *Global South Journal*, *Humanomics*, *International Advances in Economics Research*, *Journal of Strategic Management Education*, *ICFAI Journal of Industrial Economics (India)*, *Economics Bulletin*, *German Journal for Politics, Economics and Culture of the Middle East*, *Cairo Review of Global Affairs*, and others.

His book publication EGYPT, ENERGY AND THE ENVIRONMENT: CRITICAL SUSTAINABILITY PERSPECTIVES, was published by Adonis & Abbey, London, UK.

He serves on the editorial board of the *International Journal of Competitiveness*, *Advances in Economics*, and *Journal of Business and Economics Research*. He served on more than 30 master's and PhD dissertation supervision at various educational institutions in Egypt, the Middle East and Europe.

DISSERTATION AND THESES

- ***Doctor of Philosophy***: "On the Theory of Competition in Differentiated Markets: Multi-Stage Competitive Analysis for the Effects of Quality Competition on Industrial Market Structure, Spatial Product Differentiation, Endogenous Location, and the Dynamics of Technological Diffusion", Dissertation for the Degree of Doctor of Philosophy in Economics at George Washington University, Accepted on Defense date of January 14 – 2003. (Accepted As-Is Without Revision).
- ***MBA Research Capstone***: "Competitive Analysis and Financial Evaluation of the Retirement Industry in the United States", Capstone Research Project for the Degree of Master of Business Administration at Johns Hopkins University, Accepted on August 2 - 2001.
- ***Master of Science Thesis in Economics***: "Multi-Criteria Investment Appraisal Model using Financial, Socio-Institutional, and Environmental Evaluations", Graduate Thesis for the Degree of Master of Science in Economics at Iowa State University, Accepted on Defense date of February 4 – 1997. (Accepted As-Is Without Revision).
- ***Master of Science Thesis in Engineering***: "Techno-Economic Assessment of a Solar Thermal Water Pumping System for Use in Establishing New Communities in Developing Countries", Graduate Thesis for the Degree of Master of Science in Engineering at the American University in Cairo, Accepted on February 10 - 1995.

CONSULTING ASSIGNMENTS

- **Ministry of Investment**, Expert Opinion on Commercial Arbitration in the Steel Industry, 2016
- **Ministry of Industry**, Cost-Benefit Review and Assessment of the Golden Triangle Project (with European Union and D'Appolonia S.p.A.) for Gold Mining, Tourism and Agribusiness, 2016
- **MENA Future Development Agenda**, Chair of Conference, 2014-2015
- **Brookings Institution**, Egypt Competitiveness Drivers on Sectoral Level, 2011
- **International Development Research Centre (IDRC)**, Egypt's Relative Innovation Performance, 2011
- **Egyptian Competition Authority**, Senior Economic Advisor on Competition Policy, 2010-2011
- **Economic Research Forum of the Middle East**, Sectoral Studies Assessment, 2005-2012
- **Indian Council for Research on International Economic Relations**, Egypt's Energy Mix, 2010
- **Dubai Economic Council**, Dubai Competitiveness and Economic Development, 2009
- **Egyptian Center for Economic Studies**, Economic Feasibility for Nuclear Energy in Egypt, 2008
- **Fulbright Commission**, Fulbright and Hubert Humphrey Fellows Selection and Interviews, 2004-2008
- **Ford Foundation**, Microeconomics Curriculum Design for Cairo University, 2008
- **Pearson Education International**, Arab World Adaptation to Principles of Economics Textbooks, 2008
- **Gerson Lehrman Group**, Market Outlook for Telecom and Tobacco Industries in Egypt, 2006-2007
- **AUC-UCLA Research Project on Energy and the Environment**, Principal Coordinator, 2006-2008
- **World Telecommunications Group**, Egypt's Mobile Industry and Economic Development, 2006
- **Canadian International Development Agency**, Investment Map for *Minya* Governorate, 2005
- **National Council for Human Rights**, Universal Economic Rights and the Egyptian Constitution, 2005
- **American Chamber of Commerce in Egypt**, Energy Subsidies and Economic Reform, 2004

HONORS AND AWARDS

Dr. Selim has received honors and achievement awards including the following selected ones:

- **Chair Distinguished Contribution Award and Plaque**, American University in Cairo, 2016
- **Senate Outstanding Service Award**, University Senate, American University in Cairo, 2013
- **Merit Performance Awards** (Three Consecutive Years), American University in Cairo, 2010-2013
- **SSRN Research Paper Award**, Top Ten Papers at the Social Science Research Network, 2008
- **Research Excellence Award**, School of Business and Economics, American University in Cairo, 2006
- **Fulbright Recognition Award**, Fulbright Commission in Egypt, 2006
- **International Who's Who Achievement Award**, Who's Who Historical Society, 2004
- **Academic Honor Award for Outstanding Achievement**, American University in Cairo, 1991
- **First Prize Award for Keyboard (Organist) Under 18**, Emirates Youth Music Festival, 1985

BOARDS, MEMBERSHIPS AND AFFILIATIONS

- **Research Fellow**, Economic Research Forum
- **Founding Member**, Egyptian Center for Global Governance and Development
- **Founding Member**, Industry Studies Association, University of Pittsburg
- **Member**, Egyptian Center for Economic Studies
- **Member**, American Chamber of Commerce in Egypt
- **Member**, American Economic Association
- **Member**, Engineering Syndicate of Egypt

LANGUAGES

English (Fluent) and Arabic (Mother tongue)

PERSONAL INFORMATION

Date of Birth: July 28, 1971

Place of Birth: Cairo, Egypt

Nationality: Egyptian