

Tarek H. Selim

Professor of Economics, School of Business American University in Cairo

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Experience

Dr. Selim has 30 years of academic and professional experience in the fields of economic analysis, business strategy, market structure and competition, industry development, technology and innovation, game theory, financial valuation, risk assessment, and cost-benefit analysis of development projects.

Education

- 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
- Harvard Summer School, **Harvard University**, USA, 1991
- University of London General Certificate of Education, **International School of Choueifat**, Emirates, 1987

Professional Programs

- Systems Engineering, **Massachusetts Institute of Technology**, 2018
- Management Development Program, **Harvard University, Graduate School of Education**, 2015
- Microeconomics of Competitiveness, Faculty Affiliates Program, **Harvard Business School**, 2010
- Strategic Resource Planning, **Imperial College, University of London**, 2006
- Environmental Policy and 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

- **Professor of Economics, School of Business, American University in Cairo, 2002 - Current**
Teaching, research and consulting in microeconomics, business economics, and cost-benefit analysis.
- **Visiting Researcher, Massachusetts Institute of Technology, Fall 2016**
Industrial development and innovation ecosystems with application to BRICS and emerging markets.
- **Chairman, Department of Economics, American University in Cairo, 2013-2016**
Strategic planning, triple accreditation (AACSB, EQUIS and local), curriculum development, new faculty recruitment, faculty evaluation and support, budget management, staff supervision, and service to students including co-founding of the Economics Association and Model Egyptian Economy.
- **Professor, Department of Economics, American University in Cairo, 2012-2016**
Teaching, research and service with focus on industry studies in emerging markets, conference chair of MENA Development Conference 2015, chair of senate budget, and vice-chair of the university senate.

- **Associate Professor, Department of Economics, American University in Cairo, 2007-2012**
Teaching, research, and service with focus on industrial and energy economics, department academic affairs, faculty affairs, research council, senate, graduate studies, and University Zewail Prize (chair).
- **Senior Economic Advisor, Office of the Chairman, Egyptian Competition Authority, 2011 (Six Months)**
Strategic institutional assessment, establishment of market monitoring unit, job mapping evaluations, guidance on market competition and anti-trust cases, and training modules in competition policy.
- **Economic Advisor to the Executive Director, Egyptian Competition Authority, 2010 (Six Months)**
Advisor and training on economics of competition, market studies and anti-trust cases.
- **Assistant Professor, Department of Economics, American University in Cairo, 2002-2007 (Tenured 2007)**
Teaching, research and service with focus on microeconomics, mathematical economics, and game theory, with university service to core curriculum, university library, press, curriculum, senate, and graduate council.
- **USAID Doctoral Fellow, Institute of International Education, USAID Economic Policy Initiative Consortium (Egypt Development Training Program), 1997-2002**
Doctoral fellowship under 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)**
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**
Project analysis and investment evaluation, with a focus on multi-criteria investment appraisal using financial, socio-economic and environmental evaluations.
- **Economic Researcher, Information and Decision-Support Center (IDSC), Cabinet of Ministers, Government of Egypt, 1995 (Six Months)**
WTO (GATT) and food consumption simulation using multi-market econometric analysis and decision support tools for economic policy issues facing the Cabinet's decision-makers.
- **Instructor & Teaching Assistant, Department of Mechanical Engineering, Industrial Engineering Division, American University in Cairo, 1993-1995**
Taught courses in: Project Management, Engineering-Economic Analysis, Senior Projects I & II.
- **Research Assistant, Solar Energy Lab, American University in Cairo, 1993-1994**
Lab experiments, engineering design and techno-economic analysis of solar collection systems.
- **Assistant Project Manager for Aircraft Operations, Lockheed Martin F-16 Fighter Jet Project, Arab Organization for Industrialization, Aircraft Factory, Helwan-Cairo, 1992-1993**
Project budget, master scheduling, procurement and training, TQM and quality assurance, material requirements planning, configuration systems, tooling and production engineering for F-16 aircraft components. Project Budget: \$25 million. Master Budget: F-16 Fighter Program of \$2 billion.
- **Plant Industrial Engineer, Product Supply Department, Procter & Gamble – Egypt, 1992**
Preparation of plant budget (\$17 million), technical engineering assessments, economic feasibility upgrades, cost control, and process engineering for a multitude of manufactured products including Ariel, Camay, Pampers, Head & Shoulders, Pantene, Tide, Always & Zest.

University Administration and Management

Dr. Selim served as department chair, chair of AUC annual conference, and vice chair of the university senate. He also served as chair of senate academic affairs, senate budget review, school faculty affairs, school promotion and tenure, university Zewail student prize, UCLA-AUC environment forum, as well as chair of department committees in faculty affairs, research, graduate studies, strategic planning, promotion and tenure, accreditation assessment, among other tasks. He also served as a committee member in Triple Crown school accreditation, university core curriculum, university graduate council, President's budget commission, senate executive committee, university promotion and tenure, AUC Press publications committee, university Library collections, school research advisory committee, school strategic planning, school academic council, and liaison officer with the Parents Association.

Teaching

▪ **Undergraduate**

Principles of Microeconomics (including Big Section of 100+ students), Principles of Macroeconomics, Intermediate Microeconomics, Game Theory, Mathematics for Economists I, Mathematics for Economists II, Cost-Benefit Analysis (Feasibility Study), and Competitive Economy: Firms, Industries and Nations (in affiliation with Harvard Business School).

▪ **Graduate**

Advanced Microeconomic Theory, Managerial Economics (MBA), Game Theory, Economic Growth and Development, Environmental and Natural Resource Economics, and Competitiveness of Emerging Markets (in affiliation with Harvard Business School).

▪ **Executive Education**

Managerial Economics (Executive MBA), Doing Business in the Middle East, Corporate Business Strategy, Competition Policy (many training modules), Global Competitiveness Drivers.

Research

Dr. Selim's research output includes more than **90 research publications**. He has been resident visiting researcher at MIT Industrial Performance Center, and scholar-in-residence at Harvard Graduate School of Education (HGSE). Dr. Selim serves on the editorial board of the **International Journal of Competitiveness**, an international journal affiliated with Harvard Business School. He is an active member of the faculty panel of **MIT Technology Review**.

Dr. Selim served on more than 30 master's and PhD dissertation supervision at various educational institutions in Egypt, Africa, Middle East and Europe.

His publications have appeared in: *The Energy Journal*, *Review of Social Economy*, *Humanomics*, *The Business Review of Cambridge (BRC)*, *Atlantic Economic Journal (AEJ)*, *Journal of the American Academy of Business*, *Journal of Business Case Studies (JBCS)*, *Journal of Business and Economics Research (JBER)*, *Global South Journal*, *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. He has published at the American Economic Association (AEA) including work with the Committee on Economic Education (CEE).

Dissertation and Theses

- **Ph.D. Dissertation:** "On the Theory of Quality 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 January 14 – 2003.
- **MBA Capstone:** "Competitive Analysis and Financial Valuation of the Retirement Industry in the United States", Capstone Research 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 February 4 – 1997.
- **Master of Science Thesis in Engineering:** "Assessment of Solar Thermal Water Pump 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 (Selected)

- **World Economic Forum**, Global Auto Industry and the Fourth Industrial Revolution, 2019-2021
- **Egyptian Center for Global Governance and Development**, Global Governance and SDGs, 2018
- **Ministry of Investment**, Expert Opinion on Commercial Arbitration in the Steel Industry, 2016
- **EU Commission and Ministry of Industry**, Cost-Benefit Analysis of the Golden Triangle Mega Development Project for Gold Mining, Tourism and Agribusiness, 2016
- **Brookings Institution**, Egypt's Competitiveness Drivers: Sectoral Strategies, 2011
- **IDRC (International Development Research Centre)**, Egypt's Innovation Performance, 2011
- **Egyptian Competition Authority**, Senior Economic Advisor, 2010-2011
- **Economic Research Forum (ERF) of the Middle East**, Sectoral Studies Review & Assessment, 2005-2012
- **Indian Council for Research on International Economic Relations (ICRIER)**, Energy Economics, 2010
- **Dubai Economic Council**, Dubai Competitiveness and Economic Development, 2009
- **Egyptian Center for Economic Studies**, Economic Feasibility of Nuclear Power Generation in Egypt, 2009
- **Fulbright Commission**, Fulbright and Hubert Humphrey Fellows Selection and Interviews, 2004-2008
- **Ford Foundation**, Thematic 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
- **UCLA-AUC Research Project on Energy and the Environment**, Co-Principal Investigator, 2006-2009
- **World Telecommunications Group**, Egypt's Mobile Industry and Economic Development, 2006
- **CIDA (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 several honors and achievement awards including the following selected ones:

- **Lifetime Research Fellow Award**, Economic Research Forum, 2021
- **Best Reviewer Award**, Academy of Management, Technology and Innovation Division, 2020
- **Chair Distinguished Contribution Award and Plaque**, American University in Cairo, 2016
- **Senate Outstanding Service Award**, University Senate, American University in Cairo, 2013
- **Best Teaching Professor**, Executive MBA Program, American University in Cairo, 2013
- **Merit Performance Awards (Three Consecutive Years)**, American University in Cairo, 2010-2013
- **SSRN Top Ten Papers Award**, Top Ten Papers at the Social Science Research Network, 2008
- **Research Excellence Award**, School of Business, 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

Memberships

- **World Economic Forum**, Global Experts Council
- **Alfred P. Sloan Industry Studies Association**, Founding Member
- **Egyptian Center for Global Governance and Development**, Board of Trustees
- **Egyptian Center for Economic Studies**, Board Member (preceding)
- **American Chamber of Commerce in Egypt**, Member
- **Engineering Syndicate of Egypt**, Member

Languages

English (Fluent) and Arabic (Mother tongue)

Personal Information

Date of Birth: July 28, 1971
Place of Birth: Cairo, Egypt
Nationality: Egyptian

/July 2021