

# Nasser Arshadi, PhD

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## PROFESSIONAL BACKGROUND

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Experienced executive with fifteen years of success in high profile leadership roles with accomplishments in the creation of platforms, facilities and practices to expand cutting-edge research; commercialization of discoveries; implementation of multi-stakeholder economic development projects; development and management of research centers; collaborations with industry and government agencies.

## ACADEMIA

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### University of Missouri – St. Louis

1982-Present

*PROFESSOR OF FINANCE* (1998 - Present); *VICE PROVOST FOR RESEARCH* (2001-2015)

As the chief research officer for the university, led efforts in securing grants and contracts for research, infrastructure, technology transfer and economic development activities. Served as the contracting signatory on grants and contracts. Supervised the research office, Missouri Institute of Mental Health, Center for Nanoscience, Center for Neurodynamics, and the Innovative Technology Enterprises. Served as a member of the Chancellor's Senior Administration team in charge of developing strategic plans and their executions.

*ASSISTANT PROFESSOR OF FINANCE (1982-1988); ASSOCIATE PROFESSOR OF FINANCE (1989-1997); PROFESSOR OF FINANCE (1998-)*

## SPECIFIC PROJECTS

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- Led UMSL in joining a partnership with Washington University, Saint Louis University and BJC Healthcare in developing the Center of Research, Technology and Entrepreneurial Expertise, (CORTEX, <http://cortexstl.com/>) - an innovation district that currently spans 200 acres in midtown St. Louis. The partners invested \$30 million in equity funding and raised another \$40 million from grants, contracts and tax relief. Since its inception, CORTEX, in partnership with other developers, has built multiple research facilities for large and small companies and helped to build amenities for employees working in the district.
- Launched the technology transfer office within the Office of Research Administration at UMSL. It currently has near 100 technologies under management with 21 of those licensed to either establish or startup companies. An exciting example is a non-invasive, glucose-level testing device designed to help diabetics better manage their disease.
- Led the design of a new 53,000 sq. ft. information technology and biotechnology startup incubator and high performance computing center at UMSL (Innovative Technology Enterprises – ITE, [www.ite-stl.org](http://www.ite-stl.org)). Obtained initial funding of \$2.5 million through three grants from local, state and federal sources. Today, ITE facilities are completely full.
- In 2010, gained UMSL approval to acquire the Missouri Institute of Mental Health (MIMH), at the time of multiple challenges. Designed a major restructuring and hired a new director. Currently, with 65 faculty and research staff, and \$8 million budget, MIMH is the most productive it has been in decades. Funding for MIMH has been diversified to include federal, state and regional sources.
- Established the Center for Nanoscience (CNS) in a 28,000 sq. ft. facility and recruited a director and an associate director. The center leads collaborative, interdisciplinary scientific research in conjunction with industry. Funding comes from the National Science Foundation (NSF) and industry collaborators including Monsanto, MEMC Electronic Materials, Ethyl Corporation, Mallinckrodt, McDonnell Douglas Corporation and Calgon-Vestal Corporation.
- Led the efforts on a St. Louis County Justice Reform planning project funded in two grants by the MacArthur Foundation - a foundation supporting creative people and effective institutions committed to building a more just, verdant and peaceful world.

- As a Board Member, helped found the National Academy of Inventors (NAI), a 501(c) (3) non-profit member organization comprising US and international universities, governmental and non-profit research institutes. Membership includes 3,000 individual inventors and Fellows spanning more than 200 institutions. Founded in 2010, it recognizes and encourages inventors with patents issued from the US Patent and Trademark Office. Serves as a senior editor for NAI's journal – *Technology and Innovation*.

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#### VISITING PROFESSORSHIPS

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Served as a visiting associate professor at Washington University, St. Louis (1988) and Imperial College, London, England (1994); and as a senior economist and policy analyst at Board of Governors of the Federal Reserve System, Washington, DC (1996).

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#### CONSULTING & EXPERT WITNESS

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- Developed a private firm Option Pricing Model of Risk Premium and Default Frequency in Risky Loans for *Deutsche Financial Services*. The project involved developing a mathematical model for a portfolio of 15,000 commercial loans.
- Pricing of Complex Exchange-Traded Options, *Securities Industry Automation Corporation* (A subsidiary of the New York Stock Exchange, NYC).
- Expert witness in a variety of court case litigations related to the financial industry.

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#### BOARD MEMBERSHIPS

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**National Academy of Inventors, Board Member and Secretary (2010 – 2016)**

**Center of Research, Technology and Entrepreneurial Expertise (CORTEX), Board Member and chair of the Finance Committee (2010 – 2015)**

**Center for Emerging Technologies, Board Member and Member of the Executive Committee (2001 – present)**

**BioSTL Coalition, Member (2010-2015)**

**Regional Arts Commission, Review Panel (2008 – 2011)**

**Missouri Technology Corporation, Nonvoting Member (2007 – 2010)**

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#### EDUCATION

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**University of Nebraska, Lincoln, NE**

PhD, Financial Economics

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#### SCHOLARLY RESEARCH (BOOKS)

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Arshadi, Nasser and Gordon Karels, *Modern Financial Intermediaries and Markets*, Prentice Hall, 1997

Arshadi, Nasser and Thomas Eyssell, *the Law and Finance of Corporate Insider Trading: Theory and Evidence*, Kluwer Academic Publishers, 1993.

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#### PUBLISHED PAPERS

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Published over 30 academic papers, editorials and reviews in economics and finance journals including *Journal of Money, Credit and Banking*; *Journal of Banking and Finance*; *Journal of Financial Services Research*; *Financial Management*; *The Financial Review*; *Proceedings of the National Academy of Sciences of the United States*; *Technology and Innovation*; among others. *Addendum available upon request.*