DR. CHRIS P. TSOKOS

Distinguished University Professor

Mathematics and Statistics

University of South Florida

ctsokos@usf.edu | chris.tsokos@gmail.com

(813) 961- 1992 | 1202 Parrilla de Avila, Tampa, Florida 33613-5219, USA

Chris P. Tsokos is a Distinguished University Professor of Mathematics and Statistics at the University of South Florida. Professor Tsokos received his B.S. in Engineering Science/Mathematics and his M.A. in Applied Mathematics from the University of Rhode Island and was recognized with the Distinguished Alumni Excellence Award in Science and Technology. He received his Ph.D. in Statistics and Probability from the University of Connecticut and was recognized with the Distinguished Alumni award along with the recognition of the State of Connecticut General Assembly Award for outstanding public and philanthropic service to our country. Professor Tsokos has also served on the faculties at Virginia Polytechnic Institute and State University and the University of Rhode Island. Dr. Tsokos's research has extended into a variety of areas in the mathematical sciences, including stochastic systems, statistical models, reliability analysis, ecological systems, operations research, time series, Bayesian analysis, mathematical and statistical modeling of global warming, and both parametric and nonparametric survival analysis, cybersecurity, financial systems, among others. He is the author of more than 500 research publications in these areas.

Dr. Tsokos has mentored and directed the doctoral research of more than 75 doctoral students and more than 100 Masters of Science students. His doctoral students are from 25 different countries around the world and now are scientists, academias and educators in the U.S. and their country of origin. Professor Tsokos is the author of more than 25 research monographs and books in mathematical and statistical sciences. He has been invited to lecture in several countries around the globe – Russia, Peoples' Republic of China, India, Turkey, and most EU countries, among others.

For the past five years, Professor Tsokos's research efforts have been focused on developing probabilistic analysis, parametric and nonparametric statistical models for breast, lung, brain, pancreatic, multiple myeloma, colon, and prostate cancer. His research aims are real data-driven and are oriented toward understanding these types of cancers and, most importantly, in statistically identifying the attributable variables and interactions that cause such cancers. Similarly, he has developed stochastic predictive models of various aspects and segments of the S&P 500. His research in cybersecurity analysis and modeling of the vulnerability of computer systems is at the frontiers of the subject area.

Dr. Tsokos is the inventor/co-inventor recipient of several U.S. patents in **Detecting Systems/ Geoscience, Vulnerability of Cybersecurity System**, **Statistical Predictive model/Cybersecurity**, **Network Security Risk/Cybersecurity**, **AI for Health Science** and **Reliability of Computer Network/Cybersecurity**. In addition, he has nine pending U.S. Patents in **Alzheimer's Disease**, **Production System**, **Pancreatic Cancer**, **Stochastic Monitor Indicator**, **Parkinson's Disease**, **Profile of Cyber Security Hacker**, **S&P 500 Predictive Model** and **Stochastic Functional Indicator**.

Professor Tsokos has served as an advisor, consultant, and lecturer for the U.S. Army, U.S. Environmental Protection Agency, the U.S. Air Force Office of Scientific Research, the U.S. Navy, NASA, Bureau of Land Management, and the American Cancer Society, among other U.S. government agencies. Those include the Central Intelligence Agency, where he assisted agents with domestic and global problems, and the Federal Bureau of Investigation, where he worked with representatives on important domestic and international problems. He also has performed similar services for several public Fortune 500 companies and is a Senior Scientist and Financial Advisor for SYSTEMS ANALYSIS OF TAMPA, INC., (SAT, INC).

Dr. Tsokos was the co-founder and director of the award-winning Urban Scholars Outreach Program (USOP) at USF for more than 20 years. Its objective was to offer free educational assistance to disadvantaged African American and Hispanic students. USOP was started in 1998 and has helped hundreds of students to enter our universities. United States Senator from Florida, Bill Nelson, recognized Dr. Tsokos for his accomplishment and achievements in helping minority students is need.

Professor Tsokos is the president of the **International Federation of Nonlinear Analysts (IFNA**), a not-for- profit global educational research organization with several participating countries. IFNA is, globally, an interdisciplinary professional organization promoting the understanding of related complex nonlinear problems and approaches to solutions from all disciplines. Our motto is "**Understanding Through Global Diversity, Cooperation, and Collaboration**". The aim and objectives IFNA are the same as "The Circles of Sustainability" defined by the United Nations.

Professor Tsokos is a member of several academic and professional societies. He is serving as Honorary Editor, Chief Editor, Editor, or Associate Editor of more than 20 international academic research journals. Dr. Tsokos is the recipient of many distinguished awards and honors, including Fellow of the American Statistical Association, the International Statistical Institute, USF Distinguished Scholar Award, Sigma Xi Outstanding Research Award, USF Outstanding Undergraduate Teaching Award, USF Professional Excellence Award of the University Area Community Development Corporation, and the Time Warner Spirit of Humanity Award, U.S. Hellene of the year, 2003, U.S. Central Command Enduring Freedom Award, among others. A complete CV of Professor Tsokos is available upon request (approximately 170 pages).