

PROFESSOR DR. STELIOS BEKIROS

I) GLOBAL RANKINGS

Personal Webpage: <https://www.steliosbekiros.com>

1.

TOP 0.3% for 2024 in the **Stanford's** most distinguished TOP 2% scientists list (*Ioannidis Johh P.A., 2024*), and at the TOP 0.4% for 2023.

2.

According to 2022-2023 **AD Index**, **Scopus**, **ScholarGPS™** (ID: 60455308873206, *dataset up to 2022*) the **worldwide** ranks are:

- **"Highly Ranked Scholar of Lifetime Achievement"** internationally at **TOP 0.45%** "*Overall ALL scientific fields*"

- **Number #1 in "FX/Currency Economics" field (TOP 0.0%)**

- **Number #53 in "Economics" field (TOP 0.37%)**

- **Number #148 in "Social Sciences" field (TOP 0.53%)**

- **TOP 0.45%** in "**Overall achievement in ALL scientific fields**" i.e., across and within *inter- and multi-disciplinary* fields

3.

Top 2% "Economists Worldwide", *AD Scientific Index*

4.

According to **IDEAS**, **Web of Science** his **worldwide** ranks are:

- **TOP 0.5%** in "*Blockchain*", "*Econometrics*", "*Quantum AI*", "*Machine Learning*", "*FinTech/Finance*", "*Econophysics*" and "*Complex Systems Science*"

5.

According to **Google Scholar** his **worldwide** ranks are:

- **Over + 12,500 citations**

- **h-index = 59**

- **i10-index = 190**

II) SHORT BIO

Professor Bekiros ranks at the [TOP 0.3%](#) for 2024 in the [Stanford's](#) most distinguished TOP 2% scientists list ([Ioannidis Johh P.A., 2024](#)), and at the TOP 0.4% for 2023.

Professor Dr. Stelios Bekiros (ScholarGPS™ ID: 60455308873206) ranks as the **“Highly Ranked Scholar of Overall Lifetime Achievement”** internationally at the [TOP 0.45%](#) *“Overall ALL scientific fields”*.

For the **“Period 5 Years Prior”** he ranks (ScholarGPS™ ID: 60455308873206) internationally at the [TOP 0.02%](#) **“Overall LIFETIME achievement in ALL scientific fields”** in *inter- and multi-disciplinary* fields. In particular, he ranks worldwide [#1 in “FX/Currency Economics” \(Top 0.0%\)](#) field, he ranks worldwide [#53 in “Economics” \(Top 0.02%\)](#) field, and globally [#148 in “Social Sciences” \(Top 0.01%\)](#) field.

Moreover, Professor Bekiros ranks at IDEAS, [Google Scholar](#), Web of Science, Scopus among the **Top 0.5%** authors worldwide in the fields e.g., of “Blockchain”, “Econometrics”, “Quantum AI”, “Machine Learning”, “FinTech/Finance”, “Econophysics” and “Complex Systems Science”.

He ranks at the [Top 2% “Economists Worldwide 2025”](#), according to [AD Scientific Index](#).

Professor Bekiros obtained a **Dipl.-Ing / BEng** and an **MEng** in *Electrical and Computer Engineering* (spec. Artificial Intelligence, Software Engineering, Control Systems) from National Technical University of Athens (NTUA). He also holds an **MSc** in *Decision Sciences* (spec. Statistics, Financial Engineering, Operations Research and Computer Science) and a **PhD** in *Big Data Science & Computational Econometrics with Machine Learning* from Athens University of Economics and Business (AUEB). He has more than twenty five years of **postdoctoral research and teaching experience** in many distinguished universities, centres and research institutions, mainly in the Netherlands, Italy, France, UK and Greece. He was a faculty member/research fellow at the European Institute for Statistics, Probability, Stochastic Operations Research and its Applications (EURANDOM), Technical University of Eindhoven, at the Center for Nonlinear Dynamics in Economics and Finance (CeNDEF) of the Faculty of Economics and Econometrics of the University of Amsterdam, at the Department of Economics of the European University Institute (EUI) in Florence (Italy), at the Hellenic Ministry of Finance, at the Centre of Planning and Economic Research (KEPE), at the IPAG Business School in Paris, France, and at the Decision Support Systems Laboratory of the National Technical University of Athens.

He has been **awarded numerous prestigious Grants** including the Max Weber Fellowship – the largest postdoctoral programme in the social sciences in the world hosted by the EUI and funded by the European Commission (DG Education) – three MSCA Fellowships & Awards for pioneering work on multidisciplinary research, many national grants/awards by the EU, NWO, RC-AUEB/GSRT and he was appointed Scientific director of European EC projects (FP-7, H2020) at EU universities and institutions.

In the past he held research and postdoctoral positions at some of the most pioneering and prestigious academic centres and institutes in the world such as, at the [European Institute for Statistics, Probability, Stochastic Operations Research and its Applications \(EURANDOM\)](#), at the [Center for Nonlinear Dynamics in Economics and Finance \(CeNDEF\)](#) and the [European University Institute \(EUI\)](#), among other.

Professor Bekiros holds **Four (4) Habilitations (ASN-MIUR)** in *Econometrics, Statistics, Operations Research & Mathematical Methods in Economics, Insurance & Finance, and Economic Policy*. He was elected in 2019 Full Professor of Economic Statistics at the Dept. of Statistical Sciences of the University of Padova, Italy. He is [Chair Full Professor of Economics at ‘Valter Cantino’ School of Management & Economics at the University of Turin \(UniTo\)](#). He was Joint Chair Full Professor of FinTech/AI, Econometrics & Data Science at the Faculty of Economics & Management (FEMA) of the University of Malta, Research Full Professor at the IPAG Business School, Senior fellow of the LABEX ReFi / Financial Regulation Lab, and Senior Fellow of the LSE Health Center at the Department of Health Policy, London School of Economics (LSE). He is currently a [Senior fellow at the](#)

[Rimini Centre for Economic Analysis \(RCEA\)](#), [ADEMU affiliated researcher at the European University Institute](#) and [senior visiting fellow](#). Professor Bekiros has also worked in other research positions in the academia and as an engineering & financial expert consultant in the public and private sector.

He is the **only researcher who has been awarded four (4) prestigious European Fellowships**, in particular three (3) Marie Skłodowska-Curie (MSCA) Fellowships by the EU (2011, 2013, 2015) for pioneering multidisciplinary work at the intersection of many scientific fields, as well as one Max Weber Fellowship (MWP) in economics by the European Commission, hosted at the EUI (2009). Professor Bekiros strongly emphasizes multidisciplinary, interdisciplinary and trans-disciplinary research in studying the complexity of economic, social and natural systems through applying future technologies' approaches, ranging from *Quantum Computing, Blockchain, Computer Science & Software Engineering, Big Data Science, Machine Learning, Artificial Intelligence, Statistical Mechanics, Control Theory, Physics, Electrical Engineering, Earth Sciences, Meteorology and Seismology*, up to *Economics, Hypergame theory, Warfare and Military studies, Legal and regulatory studies (Ethics), Brain and Cognitive sciences, Psychology, Bioinformatics, Life Sciences, Health Policy, Biopharmaceutics, Pharmacokinetics, Neuroscience and Medicine*.

Professor Dr. Stelios Bekiros is a **pioneer** in developing and applying new approaches in **Artificial Intelligence, Machine Learning, Econophysics** and **Complex Systems Science** in many disciplines, particularly in social and natural sciences. Back in 1998, under the scope of his MEng thesis, he developed a novel AI-driven Genetic Algorithm in conjunction with nonlinear Operations Research and Computational Game Theory utilised to optimise the returns of synthetic structured derivatives' portfolios while at the same time mitigating the environmental, operational, financial and climate risks. The model was developed within the context of early attempts in deploying deregulated energy markets with heterogeneous agents, investors, speculators, arbitrageurs, institutional and regulatory stakeholders. In his MSc thesis (2001) he employed complex theory approaches, ranging from earth sciences, meteorology, climate and environmental sciences, to hydrology, structural engineering, seismology, multivariate extreme value statistics (EVT) and chaotic dynamics, in building new mathematical and empirical models of superior forecastability in social, natural and physical systems. In his PhD dissertation (2004) he was one of the first early scholars to utilize mathematical biology models of self-organised fractality originating from Statistical Mechanics and Complexity theory, in conjunction with models of inherent Heisenberg indeterminacy and Stochastic uncertainty derived from Quantum Mechanics. The aim was to develop an Integrated Artificial Intelligence System capable of processing, forecasting and nowcasting multi-dimensional variable & parameter Big Data-driven models, during crises outbreaks. The Hybrid modeling which incorporated Deep Reinforcement Learning (Recurrent Chaotic Neural Networks) and a Robust Actor-Critic Fuzzy Controller, was fine-tuned by Bayesian hyper-parameter training and was deployed after pre-filtering and post-processing the Data Pipelines through spectral and time-scale Wavelet filters (Maximum Overlap Discrete & Continuous Transforms). Some of his early pioneering works, include [Bekiros et. al \(2004\)](#), [Bekiros et. al \(2005\)](#), [Bekiros \(2007\)](#), [Bekiros et. al \(2008\)](#), [Bekiros \(2009\)](#), [Bekiros \(2010\)](#), [Bekiros \(2015\)](#) among other.

He has participated in numerous conferences and academic seminars and has been an invited speaker in many prestigious universities and institutions. During the last twenty five years he has served as **principal investigator, project manager or team member in many European and national research projects** (e.g., H2020, FP7, Max Weber Programme, EC-MSCA, Netherlands organization for scientific research-NWO, EU 3rd Framework Programme, EIB, EC DG-XIII/ESPRIT, EPET-II/Hellenic Ministry of Development, Cyprus RPF/Penek etc.). Amongst many current projects he served as Principal Investigator (UM partner) in a Mega-EU Grant project implemented under the Action programme *CL4-2022-DATA-01* of the Horizon Framework Programme for Research and Innovation (2021-2027) entitled: *"Promoting and Incentivising Federated, Trusted, and Fair Sharing and Trading of Interoperable Data ASsets"* (Acronym "PISTIS"). It comprised a consortium of 104 partners coordinated by *Fraunhofer Society for the Advancement of Applied Research*, which is the biggest organization for applied research and development services in Europe. Fraunhofer is a German research organization of 76 institutes spread throughout Germany, each focusing on different fields of applied science with some 29,000 employees, mainly scientists and engineers, and an annual research budget of about €2.8 billion.

Professor Bekiros serves as expert **evaluator** for the NSERC (Natural Sciences and Engineering Research Council of Canada) and the NSF (USA), expert evaluator for the QS Reputation Survey – QS World University Rankings, expert evaluator/vice-chair for the European Commission (EU-REA panels, Horizon programme), expert evaluator for the Swiss National Science Foundation (SNF), a WES expert for Ifo Institute (Leibniz Institute for Economic Research, University of Munich), expert project evaluator for “la Caixa Barcelona Institute” Banking Foundation, economic expert for the Bank of Finland, CEPR, Oxford University, international expert for Paris Region Fellowship Programme (ParisRegionFP), H2020 Orientation Service de la Recherche et Culture Scientifique, and evaluator of Research for GSRT (Hellenic Ministry of Education). He has been a Visiting scholar at Cambridge University (UK), LUISS Guido Carli (Rome, Italy), Queen Mary University of London (UK), Linköping University (Sweden), University of Amsterdam (The Netherlands), European University Institute (Florence, Italy) and IPAG Business School (Paris, France).

He is **Editor-in-Chief, Academic Editor, Co-Editor and Assc Editor** for more than 20 prestigious Journals: “PLOS ONE”, Plos; “Chaos, Solitons & Fractals”, Elsevier; “Economics – Innovative And Economic Research Journal”, De Gruyter; “INFORMS Journal on Applied Analytics (IJAA) (formerly Interfaces)”; “Entropy” Journal; “Big Data Analytics”, Springer-Nature; “Journal of Economic Surveys” Wiley, “Risk Analysis”, Wiley; “Journal of Forecasting”, Wiley; “Computational Economics”, Springer; “Review of Behavioral Economics”; “Review of Behavioral Finance”; “Quantitative Finance & Economics”; “International Review of Financial Analysis”, Elsevier; “Journal of International Financial Markets Institutions & Money”, Elsevier; “Finance Research Letters”, Elsevier; “Heliyon”, Elsevier; “Emerging Markets Finance and Trade”, Taylor & Francis; “International Review of Economics & Finance”, Elsevier; “Alexandria Engineering Journal”, Elsevier; “Forecasting” journal; “Technology in Society”, Elsevier, “Financial Statistics Journal” etc.

His work, with presently **over 320 articles**, has been published in the most highly esteemed academic journals and in books and proceedings in many scientific fields. He has currently many articles under review in distinguished journals, writes a book and co-edits Special Issues and collective volumes.

His **research interests** include among other: *Quantum Machine Learning & Artificial Intelligence, Economics, Blockchain Technology, DeFi, FinTech, Big Data Science, IoT, Chaos and Econophysics, Hypergame theory, Epigenomics, Computational Medicine, Bioinformatics, Computational Econometrics, Extreme and Bayesian Statistics, Complex Systems, Quantum & Statistical Mechanics, Control Theory, Electrical Engineering, Meteorology, Earthquake science, Brain and Cognitive sciences, Health Economics, Neuroscience, Financial Engineering, Electrical & Computer Engineering, Military studies, Legal studies & Ethics and Cyber-security*. He acts as a referee for top journals in many scientific disciplines aside from economics, and in 2010 he was given the best reviewer award by the prestigious European Journal of Operational Research (EJOR, Elsevier), and in 2016 by the Journal of Empirical Finance (Elsevier). He is a member of the European Area Business Cycle Network (EABCN), the Econometric Society, Royal Economic Society, the European Economic Association, the Society of Financial Econometrics, the IEEE Computational Intelligence Society, INFORMS, the Society for Computational Economics (SCE), the Society for Economic Measurement (SEM) and the Rimini Centre for Economic Analysis (RCEA). He was Senior Fellow at the LSE Health Center of London School of Economics (LSE).

Beyond his academic profile, Prof. Bekiros holds an MMUS in *music theory and guitar performance* in various genres such as jazz, classical, rock, folk, fusion etc. He served in the military, specifically in Armor (*black berets*) and Artillery (*blue berets*) arms, where he was trained for *active combatant unrestricted service I-1* (equivalent 1-A USA). He is inspired by the philosophies of all martial arts. *Sensei* Bekiros is an *accomplished Black Belt Dan Ju-Jitsu Master* (JJ International Federation), a *Mixed Martial Arts (MMA) instructor*, an *ISU certified Self-defense instructor* by the International StreetFighting Union (ISU), and a disciple of *DAS streetfighting* system. He has certified seminar training in *Aikido*, and knowledge of advanced *armed* and *unarmed* combat techniques in the Israeli elite forces system of *Krav-Maga*. During recent years, he trains in *Muay Thai, Silat* and *Filipino* martial arts.

POST-DOCTORAL MSCA FELLOWSHIPS ANNOUNCED

(Find details in the links below).

- [BIOSCIENCES](#)
- [ECONOMICS/FINANCE](#)
- [COMPUTER SCIENCE/ENGINEERING](#)
- [PHYSICS](#)
- [MATHEMATICS](#)

Send your Express-of-Interest

For further information on current research projects & collaborations, citations, refereeing, list of grants and fellowships, working papers, conferences / seminars / presentations, technical skills, workshops, membership associations, visiting positions, PhD/MSc supervisions, references etc. (more detailed CV), please use any of the email addresses provided in my contact page

Το σύνολο των γνωστικών αντικειμένων στα οποία εμπίπτει και τα οποία θεραπεύει είναι 160, και έχουν επίσημα εγκριθεί από το ΥΠΑΙΘ, στην κατηγορία/προφίλ Καθηγητή Αλλοδαπής με κωδικό [ΑΠΕΛΛΑΑ: 35577](#) (π.χ, χρημ/κά αγορών χρήματος, ισοτιμιών, κεφαλαίου, παραγώγων, ομολόγων, κρυπτο-νομισμάτων κ.λπ). Οι αντίστοιχες βεβαιώσεις απασχόλησης, διδασκαλίας, διοικητικού έργου, επιβλέψεων διδ. & μεταδιδακτόρων, συμμετοχής & διοίκησης εθνικών & EU/EC έργων, είναι εγγεγραμμένες στο μητρώο των ιδρυμάτων στα οποία διατελεί καθηγητής