PERSONAL INFORMATION	
SURNAME	KYRITSIS
NAME	CONSTANTINOS
DATE OF BIRTH	*22-05-1959*
PLACE OF RESIDENCE	ATHENS
e-mail	CKIRITSI@UOI.GR C_KYRITSIS@YAHOO.COM
TEL.	6932901044
CURRICULUM VITAE PAGE	https://constantinekyritsis.blogspot.com/2013/10/curriculum-vitae-curriculum-vitae-at.html

CURRENT POSITION(S)

10.2005 - 04.2020	**Current position: Associate professor at** **DEPT. OF ACCOUNTING-FINANCE, UNIVERSITY OF IOANNINA, GREECE**

PREVIOUS POSITION(S)- TEACHING ACTIVITIES

2004 - 2005	**Lecturer at the MSc program of the University of Hertfordshire (topics: Econometric models of real estate indexes, Operations Management)**
1997 - 2004	**Lecturer at the MSc program of the University of Portsmouth UK. (topics: Software engineering, Project Management for Information systems)**
1996 - 1997	**Lecturer at the MSc program of the University of Southampton UK. (topics: Operations Research)**
1995 - 1996	**Lecturer in Statistics undergraduate program. New York University College USA. (topics: Statistics)**
1994 - 1995	**Lecturer at the undergraduate program of the Coventry University UK. (topics: Information Systems)**
1994 -1994	**Lecturer at the MBA program of the European University. (topics: Managerial Accounting)**
	MBA , European University (International franchises , central organization based in Switzerland)

1992 - 1993	**Researcher and PhD advisor at the Computer Technology Institute CTI in cooperation with the University of Patra. (topics: Design of Hyper-text systems)**
1989 - 1992	**Lecturer at the Department of Mathematics of the University of the Aegean. (topics: Algebra, Geometry, Harmonic Analysis on topological groups, Lie algebras)**
1984 - 1985	**Lecturer at the School of Economics and School of Engineering at Chalkida of The National and Kapodistrian University of Athens, Greece. (topics: Mathematics for Economists)**

EDUCATION

06.1984 - 06.1986	**PhD at the Department of Mathematics at the National and Kapodistrian University of Athens, Greece**
10.1977 - 06.1981	**Bachelor at the Department of Mathematics at the National and Kapodistrian University of Athens, Greece**

PUBLICATIONS

THERE ARE MORE THAN 40 PUBLISHED PAPERS IN MY INTERDISCIPLINARY RESEARCH (E.G. https://www.researchgate.net/profile/Kyritsis_Konstantinos/research) AND MORE THAN 5 BOOKS BUT HERE I MENTION ONLY 10 OF THE MOST IMPORTANT AND RELEVANT ARTICLES

1) **AN INTRODUCTION TO THE NATURAL DIFFERENTIAL AND INTEGRAL CALCULUS, WITHOUT THE INFINITE. JOURNAL OF REGIONAL & SOCIO-ECONOMIC ISSUES . OCT2019, VOL. 9 ISSUE 3,P70-89.20P.**

   http://www.jrsei.yolasite.com/

2) **An Axiomatic System for a Physical or Digital but Continuous 3-Dimensional Euclidean Geometry, Without Infinite Many Points.** World Journal of Research and Review (WJRR) ISSN:2455-3956, Volume-5, Issue-4, October 2017 Pages 31-43
   http://cris.teiep.gr/jspui/handle/123456789/1590?locale=el

3) THE SOLUTION OF THE 3 RD CLAY MILLENNIUM PROBLEM. A SHORT PROOF THAT P not equal to NP = EXPTIME IN THE CONTEXT OF ZERMELO-FRANKEL SET THEORY. International Journal of Pure and Applied Mathematics VOL 120(3):497-510. January 2018 DOI: 10.12732/ijpam.v120i3.17
   https://ijpam.eu/contents/2018-120-3/17/17.pdf

4) **The solutions of the 3rd and 4th Clay Millennium problems**. https://arxiv.org/abs/1902.07265
   ON THE SOLUTION OF THE 4TH CLAY MILLENNIUM PROBLEM ABOUT THE NAVIER-STOKES EQUATIONS. EQUIVALENCE OF SMOOTH COMPACT SUPPORT AND SMOOTH SCHWARTZ, INITIAL CONDITIONS June 2017 Conference: ICQSBEI 2017, http://icqsbei2017.weebly.com/ Athens Stanley Hotel , Greece Volume: V. 1 https://books.google.gr/books?id=BSUsDwAAQBAJ&pg

5) **On the 4 th Clay millennium problem: Proof of the regularity of the solutions of the Euler and Navier-Stokes equations, based on the conservation of particles.** Journal of Scientific Research and Studies Vol. 4(11), pp. 304-317, November, 2017
   http://www.modernrespub.org/jsrs/content/2017/November.htm

6) **Ordinal Real Numbers 1,2,3,4,5** . Proceedings of the 1ST INTERNATIONAL CONFERENCE ON QUANTITATIVE, SOCIAL, BIOMEDICAL AND ECONOMIC ISSUES 2017 - ICQSBEI 2017 ,ATHENS pp222-281

   https://books.google.gr/books?id=BSUsDwAAQBAJ&pghttp://cris.teiep.gr/jspui/handle/123456789/1501

7) NOTE ON THE EFFECT OF THE 11 YEARS GLOBAL CLIMATE CYCLE ON THE PRICES OF THE CAPITAL MARKETS. By Kyritsis Konstantinos ,Sotiropoulos Ioannis, Christos Gogos, Efstratios Kypriotelis.

   Archives of Economic History Vol. XIX issue no 2, pp 65-81. 2007
   http://archivesofeconomichistory.com/webdata/magaz/040113222249_VolumeXIX_No2_2007.pdf

8) DATA ENVELOPMENT ANALYSIS (DEA) FOR EFFICIENCY ASSESMENT OF THE BEST USE OF INFORMATION SYSTEMS IN GREEK STOCK-EXCHANGE BROKERAGES By Kyritsis Konstantinos, Panagiotis Reklitis, Evangelos Chytis. Proceedings of the 2nd INTERNATIONAL CONFERENCE ON QUANTITATIVE, SOCIAL, BIOMEDICAL AND ECONOMIC ISSUES 2018 - ICQSBEI 2018 , Athens, Greece, P.C.10437. GREECE https://books.google.gr/books?isbn=6188298024

9) The impact of the convergence of the Greek economy to EMI in the Stockmarket: Bayes, nested estimations By Dr.C.Kyritsis .Archives of Economic History v. X, no1-2 ,(1999) pp 41-52. http://archivesofeconomichistory.com/webdata/magaz/062313124849_VolumeX_No1_2_1999.pdf

10) On special relativity's second postulate. By C. Tzanakis C. Kyritsis Annales de La fondation Louis de Broglie,9 pp 343-352. https://www.semanticscholar.org/paper/On-special-relativity's-second-postulate-Tzanakis-Kyritsis/f058641d8b4bb8ebedf379bcf4315464fbf3c0be

CONFERENCES/WORKSHOPS/etc.

1)3RD INTERNATIONAL CONFERENCE ON QUANTITATIVE, SOCIAL, BIOMEDICAL AND ECONOMIC ISSUES 2019 - ICQSBEI 2019 , ATHENS Greece
2) 2nd INTERNATIONAL CONFERENCE ON QUANTITATIVE, SOCIAL, BIOMEDICAL AND ECONOMIC ISSUES 2018 - ICQSBEI 2018 , ATHENS Greece
3) 7th International Scientific Conference „World Economy - Challenges of the 21st Century" Radom, Poland, 24th of November 2017
4) 1ST INTERNATIONAL CONFERENCE ON QUANTITATIVE, SOCIAL, BIOMEDICAL AND ECONOMIC ISSUES 2017 - ICQSBEI 2017 ,ATHENS
5) 28th IBIMA Conference, 9 - 10 November 2016 , Seville, Spain
6) 5th International Conference on Research in Humanities, Sociology and Education (RHSCE'16) Nov. 29-30, 2016 London (UK)
7) International Conference on Business & Economics of the Hellenic Open University 2016, Athens
8) EBEEC 2015 Kavala, Greece The Economies of Balkan and Eastern Europe countries in the changed world
9) 2nd Conference on Applied Innovation «TECHNOLOGICAL, ECONOMIC and SOCIAL PERSPECTIVES of INNOVATIVE ENTREPRENEURSHIP University of Ioannina Arta, 2015 Greece.
10) 1st International Conference on Applied Innovation "Problems and perspectives of innovative entrepreneurship in Greece within the international environment" Arta September 2013.
11) The 3rd International Conference 2013 Quantitative and Qualitative methodologies in Economics and Administrative sciences
12) 4th International Conference, "Entrepreneurship in the Global Environment: New Challenges in the Post-Crisis Era. University of Ioannina, Department of Accounting-Finance, Preveza 2011
13)-16) 5 Workshops of International Academic Researchers, at the University of Southern Denmark in Odense 2007-2012
17) 4th Pan-Hellenic conference on the Standardization, the Standards and the Quality. Union of Hellenic Scientists for Protypation and Standardization (ENEPROT), 19-20/11/2010, Aristotle University of Thessalonica
18) *2nd International Conference on "Quantitative and Qualitative Methodologies in the Economic and Administrative Sciences"*, University of Western Attica. Athens, Greece 2009
19) 10th Conference ETAGRO, 27-29/11/2008, "Macedonia" University,
20) 3rd Scientific Conference , Education and Economic Development , Preveza , Greece , 2006,
21) Conference of scientists on Finance, 2006 Technical University of Crete 1997
22) The VII Congress of Sigef 2000. Technical University of Crete
23) 11th Conference on Statistics at the Technical University of Crete 1998
24) The Conference HERMCA 98 at the University of Economics in Athens (1998)
25) Conference in Mathematics 1993 Department of Mathematics University of Crete
26) Conference in Mathematics 1993 Department of Mathematics National and Kapodistrian University of Athens

SUPERVISION OF GRADUATE DISSERTATIONS

1995 - 2020	I was supervisor of at least 38 MSc dissertations, 11 at the University of Portsmouth UK with the. (Some of them are the next titles below) and 27 at the University of Ioannina, MSc program of the Department Accounting-Finance
1995 - 2002	Statistics of runs and quality control. University of Portsmouth UK
1995 - 2002	Applications of Statistics in the pollution of the river of Pinios in Greece. MSc in Mathematics and Information Science University of Portsmouth UK
1995 - 2002	Application of Statistics for Network Administration. MSc in Mathematics and Information Science University of Portsmouth UK
1995 - 2002	Application of Statistics for Internet providers. MSc in Mathematics and Information Science University of Portsmouth UK
1995 - 2002	Applications of Statistical reliability models for the visitors of sites. MSc in Mathematics and Information Science University of Portsmouth UK
1995 - 2002	Linear programming techniques in optimal Portfolio Theory. MSc in Mathematics and Information Science University of Portsmouth UK
1995 - 2002	Non-linear programming techniques in optimal Portfolio theory. MSc in Mathematics and Information Science University of Portsmouth UK
1995 - 2002	Non-linear programming techniques in optimal Portfolio of Derivatives. MSc in Mathematics and Information Science University of Portsmouth UK
1995 - 2002	Mathematical models of the healthy functioning of the heart. MSc in Mathematics and Information Science University of Portsmouth UK
2017-2020	Operation Research and game theory. University of Ioannina, MSc in Management of Business and Institutions
2017-2020	The Economic Crisis the Monetary system and new forms of money. University of Ioannina, MSc in Management of Business and Institutions
2017-2020	New technologies and methods of education in the 21st century. University of Ioannina, MSc in Management of Business and Institutions
2017-2020	New principles of education in the 21st century. University of Ioannina, MSc in Management of Business and Institutions
2017-2020	New technologies and e-business. University of Ioannina, MSc in Management of Business and Institutions
2017-2020	Renewable forms of energy and green economy. University of Ioannina, MSc in Management of Business and Institutions
2017-2020	The history of the monetary system in Greece and the need for democratization. University of Ioannina, Msc in Management of Business and Institutions
2017-2020	The influence of tourism in the quality of life in Epirus. University of Ioannina, MSc in Management of Business and Institutions
2017-2020	Total Quality Management in the Public sector and the statistical servqual model . MSc in Management of Business and Institutions
2017-2020	E-government in the case of the municipality of Arta . MSc in Management of Business and Institutions
2017-2020	Unemployment in Greece during the economic crisis. The consequences for Preveza . MSc in Management of Business and Institutions
2017-2020	The effects of terrorism in the growth of the economy of the USA . MSc in Management of Business and Institutions

RESEARCH GRANTS

	Project Title	Funding source	Period	Role of the PI
1)	Best practices of software implementation in enterprises	**Archimedes** research funding at the University of Ioannina, Department of Accounting-Finance	2012-2015	**Principal Investigator**
2)	Research for the Observatory of young entrepreneurship	University of Ioannina, Department Of Accounting-Finance	2009-2010	Researcher that carried out the statistical analysis
3)	Research on use of information systems in enterprises in Epirus	University of Ioannina, Department Of Accounting-Finance	2007-2008	Researcher that carried out the statistical analysis
4)	Research on the reformation of the University Undergraduate program.	University of Ioannina, Department Of Accounting-Finance	2006	Researcher that carried out the statistical analysis
5)	Statistical Analysis of the distribution of the Greek Population	Hellenic Statistical Authority (ELSTAT)	2001	Part-time researcher
6)	Research on financial instruments, derivatives and real estate indexes	Research centre of the University of Piraeus	1998,1999	Part-time Researcher-Lecturer
7)	Non-Einsteinian alternative systems of equations for classical electromagnetism and gravitation.	British Aerospace in cooperation with the University of Lancaster	1998	Visitor research lecturer
8)	Research in Software engineering , Research on hypertext and Human Computer Interaction systems	National Technical University. Software Laboratory	1996, 2004	Part-time researcher
9)	Applications of spectral analysis and stochastic differential equations in Economics	University of Portsmouth. UK	1996,1997,1998	Part-time researcher
10)	Application of hyper-text models and statistics in mathematical linguistics	Institute for language and speech processing	1995	Part-time researcher
11)	Geometric models of the nuclei of atoms	National centre for Scientific Research Democritus	1993-1994	Researcher
12)	Design of Hypertext in multi-media systems	Computer Technology Institute ,Patra, Greece	1992-1993	Researcher-supervisor-lecturer
13)	Application of mathematics in musical composition	KSYMEE (Centre of modern research in Music). Athens	1992-1993	Researcher
14)	Research on Statistical Mechanics in Physics	Free University of Brussels ULB, Brussels	1986	Visitor part-time researcher
15)	Research on Numerical Analysis	National Hellenic Research Foundation, in cooperation with the National Technical University in Athens	1981-1982	Researcher

SOME SCIENTIFIC ACHIEVEMENTS (OPEN SOURCE ONLINE BOOKS WITH MORE THAN 140000 VISITS)

MATHEMATICS:

1) **An Introduction to the Natural Differential and Integral Calculus, without the Infinite.** *Journal of Regional & Socio-Economic Issues . Oct2019, Vol. 9 Issue 3,p70-89.20p.* http://www.jrsei.yolasite.com/ It is an article and a preliminary version of a future detailed book on digital calculus

2) **An Axiomatic System for a Physical or Digital but Continuous 3-Dimensional Euclidean Geometry, Without Infinite Many Points.** World Journal of Research and Review (WJRR) ISSN:2455-3956, Volume-5, Issue-4, October 2017 Pages 31-43 http://cris.teiep.gr/jspui/handle/123456789/1590?locale=el It is an and a new axiomatic system for the digital synthetic (not-analytic) Euclidean geometry.

3) **Ordinal Real Numbers 1,2,3,4,5** . Proceedings of the 1ST INTERNATIONAL CONFERENCE ON QUANTITATIVE, SOCIAL, BIOMEDICAL AND ECONOMIC ISSUES 2017 - ICQSBEI 2017 ,ATHENS pp222-281 https://books.google.gr/books?id=BSUsDwAAQBAJ&pghttp://cris.teiep.gr/jspui/handle/123456789/1501 It is **5 articles** that make a book and they introduce the Ordinal real numbers and unify, the transfinite real numbers and surreal numbers in a single numeric system. They utilize the infinite ordinal numbers. As these real numbers are layered they reflect what is really needed in mathematical applications which can eventually be realized only with the layered precision levels of the digital real numbers.

COMPUTER SCIENCE

4) THE SOLUTION OF THE 3 RD CLAY MILLENNIUM PROBLEM. A SHORT PROOF THAT P not equal to NP = EXPTIME IN THE CONTEXT OF ZERMELO-FRANKEL SET THEORY. International Journal of Pure and Applied Mathematics VOL 120(3):497-510. January 2018 DOI: 10.12732/ijpam.v120i3.17 https://ijpam.eu/contents/2018-120-3/17/17.pdf

It is the solution of the famous 3rd Millennium problem, one of the 7 most difficult unsolved problems of the 21st century. It refers to if the complexity level of non-deterministic polynomial time , and it is proved that it cannot be reduced to polynomial time but it is exponential time. This verifies that the standard methods of encryption and security in the internet are safe.

5) PROGRAM'S PETRI-NETS, TREES AND TOPOLOGICAL UNIVERSAL COVERINGS *By the current author and co-author Petros Stefaneas September 1998 Conference: HERMCA 1998 At: University of Economics Athens (ASOE)Volume: 1*https://www.researchgate.net/publication/283044251_PROGRAM'S_PETRI-NETS_TREES_AND_TOPOLOGICAL_UNIVERSAL_COVERINGS

In this paper any chaotic circuit pattern or program flow chart it is proved that can be untangled in a standard procedure (called universal covering topological space) to a tree which reflects a well ordering.

6) DATA ENVELOPMENT ANALYSIS (DEA) FOR EFFICIENCY ASSESMENT OF THE BEST USE OF INFORMATION SYSTEMS IN GREEK STOCK-EXCHANGE BROKERAGES By Kyritsis Konstantinos, Panagiotis Reklitis, Evangelos Chytis. Proceedings of the 2nd INTERNATIONAL CONFERENCE ON QUANTITATIVE, SOCIAL, BIOMEDICAL AND ECONOMIC ISSUES 2018 - ICQSBEI 2018 , Athens, Greece, P.C.10437. GREECE https://books.google.gr/books?isbn=6188298024

PHYSICS

The solutions of the 3rd and 4th Clay Millennium problems. https://arxiv.org/abs/1902.07265
ON THE SOLUTION OF THE 4TH CLAY MILLENNIUM PROBLEM ABOUT THE NAVIER-STOKES EQUATIONS.

EQUIVALENCE OF SMOOTH COMPACT SUPPORT AND SMOOTH SCHWARTZ, INITIAL CONDITIONS June 2017 Conference: ICQSBEI 2017, http://icqsbei2017.weebly.com/ Athens Stanley Hotel , Greece Volume: V. 1 https://books.google.gr/books?id=BSUsDwAAQBAJ&pg

I have also solved the 4th of the 7 famous Clay millennium problems that are considered the 7 most difficult problems in the mathematical sciences. It is relevant to the continuity of the flow of uncompressible fluids. It is in the process of reviewing. But a weaker solution under the condition that the atomic particles are conserved during the flow, has also been solved and has already been published.

ECONOMICS

NOTE ON THE EFFECT OF THE 11 YEARS GLOBAL CLIMATE CYCLE ON THE PRICES OF THE CAPITAL MARKETS. By Kyritsis Konstantinos ,Sotiropoulos Ioannis, Christos Gogos, Efstratios Kypriotelis.
 Archives of Economic History Vol. XIX issue no 2, pp 65-81. 2007
http://archivesofeconomichistory.com/webdata/magaz/040113222249_VolumeXIX_No2_2007.pdf

In this article we discover with spectral analysis that the stock exchange markets reflect clearly a periodicity of 5.55 years which is a submultiple of the 11.1 years global climate cycle due to the sunspots magnetic cycle. That the business have a 22.2 years cycle (again coinciding with the sunspots magnetic cycle) was the 1971 Nobel prize to the economist S. Kuznets.

 OPEN SOURCE ONLINE BOOKS FOR DISSEMINATING AND APPLYING SCIENTIFIC IDEAS

As I am an interdisciplinary researcher, I have at **least 5 open-source books** for the advanced but general reader in various sciences. My open-source books for the wider scientific reader have more than **140 thousand visits.**

MATHEMATICS:

THE THEORY OF THE (TRANSFINITE) ORDINAL REAL NUMBERS

https://ordinalrealnumbers.blogspot.com/

PHYSICS:

FOR A NEW FORM OF INDIRECT SOLAR ENERGY. THE NEW UNIVERSAL ATTRACTION AND NEW ELECTROMAGNETISM. https://thenewuniversalattraction.blogspot.com

PSYCHOLOGY:

For a better every day Psychology and Existential Evolution:
https://psychologicalkeys.blogspot.com/

ECONOMY:

The Debt Monetary System, debt crises resolution by alternative e-Currencies / Direct e-Democracy

https://overdebtmonetarysystem.blogspot.com/

PRINCIPLES, VALUES AND TRENDS OF THE NEW GREEN ECONOMY

https://liberating-values.blogspot.com/

STATISTICAL RISK IN THE MARKETS. THE LAWS OF GROWTH, CYCLES, DEMAND-SUPPLY, INEQUALITIES.

https://rainbowquotes.blogspot.com/

SOCIOLOGY-EPISTEMOLOGY:

SOLVING THE CIVILIZATIONS PROBLEMS OF THE PAST, IN THE PRESENT AND PLANNING THE FUTURE. https://planetary-civilization.blogspot.com/

INVITED PRESENTATIONS.

1) I have been an invited Lecturer by **the British Aerospace** (Dr Evans) at **the University of Lancaster** UK in 1998 to lecture on non-Einsteinian gravitation and non-Maxwell electromagnetism. From this Lecture was created gradually an online open-source book about it, as described above.

2) I have been an invited Lecturer at the **CALTECH (California Institute of Technology)** by **W.A.J. Luxemburg** in 1992 , to lecture on the ordinal real numbers in comparison with the non-standard analysis

3) I have been an invited Lecturer at the **Oxford University by Roger Penrose** in 1986 and 1992 , to lecture on non-periodic tilling, which was relevant to my PhD thesis on 18ths Hilbert problem, and relevant to his famous pair of non-periodic tiles.

4) I have been an invited Lecturer at the **University of Southampton by H. Aspden** in 1998 to discuss about on non-Einsteinian gravitation and non-Maxwell electromagnetism in relation to his gyroscope effect.

5) I had been twice been an invited Lecturer at the **University of Portsmouth UK.** during 1995-1998 to Lecture and make research in applications of mathematics to Economics and non-Einsteinian gravitation and non-Maxwell electromagnetism.

ORGANIZATION OF INTERNATIONAL CONFERENCES.

 I have been the co-organizer of **2 International Conferences of the University of Ioannina at Arta** in 2013-2015 :

1) 1st International Conference on Applied Innovation "Problems and perspectives of innovative entrepreneurship in Greece within the international environment" Arta September 2013.

2) 2nd Conference on Applied Innovation «TECHNOLOGICAL, ECONOMIC and SOCIAL PERSPECTIVES of INNOVATIVE ENTREPRENEURSHIP University of Ioannina Arta, 2015 Greece.

 I have also cooperated in the organization of **4 International Conferences in Athens during   2017-2020.** 3)-6) 1ST , 2nd 3rd, 4th INTERNATIONAL CONFERENCE ON QUANTITATIVE, SOCIAL, BIOMEDICAL AND ECONOMIC ISSUES -   ICQSBEI ,ATHENS 2017-2018-2019-2020.