Yiannis Kiouvrekis

School Address
Assistant Professor of Data Mining and Artificial Intelligence
Director of MCSAI Lab
Mathematics, Computer Science and Artificial Intelligence Laboratory
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CURRENT ACADEMIC WORK

University of Thessaly   October 2021 – Present
Assistant Professor, School of Health Sciences, Department of Public Health and One Health
- Teaching the undergraduate course: Artificial Intelligence   Fall 2022, Fall 2023 and Fall 2024
- Teaching the undergraduate course: Topics of Computer Science in Health   Fall 2021, Fall 2022 and Fall 2023
- Teaching the undergraduate course: Big Data Analytics   Fall 2022 and Fall 2023
- Teaching the undergraduate course: Topics in Computer Science Spring 2022, Spring 2023 and Spring 2024

Hellenic Open University   October 2024 – Jule 2025
Adjunct Professor, School of Science and Technology
- Teaching the graduate course **Mathematics for Machine Learning** in Distance Learning study program of "Data Science and Machine Learning".

PREVIOUS PROFESSIONAL WORK

DAEM the IT Company of City of Athens   January 2021 – December 2022
Manager of AI projects & Senior Researcher in AI
- The implementation of research articles and surveys with emphasis on artificial intelligence.
- To prepare and plan proposals for the participation of DAEM SA. in EU programs.

PREVIOUS ACADEMIC WORK

Hellenic Open University   October 2020 – Jule 2025
Adjunct Professor, School of Science and Technology
- Teaching the undergraduate course **Mathematical Logic and Discrete Mathematics** in Distance Learning study program of **Computer Science**.   Academic years [2020-21] and [2021-22]
- Teaching the graduate course **Mathematics for Machine Learning** in Distance Learning study program of "Data Science and Machine Learning".   Academic years [2022-23] and [2023-24]

University of Nicosia   October 2020 – July 2024
Adjunct Professor, School of Business
- Teaching in the Distance Learning MBA the postgraduate course MBAN 710DEG **Decision Making Methods and Tools**   Spring 2024
- Teaching in the Distance Learning MBA the postgraduate course MBAN 710DEG **Decision Making Methods and Tools**   Fall 2023
- Teaching in the Distance Learning MBA the postgraduate course MBAN 710DEG **Decision Making Methods and Tools**   Spring 2023

- Teaching in the Distance Learning MBA the postgraduate course MBAN 710DEG **Decision Making Methods and Tools** Fall 2022
- Teaching in Distance Learning postgraduate course of the MBA: MBAN 736DG **Enterprise Informations Systems** Spring 2022
- Teaching in the Distance Learning MBA the postgraduate course MBAN 603DEG **Decision Making Methods and Tools** Fall 2021
- Teaching in Distance Learning postgraduate course of the MBA: MBAN 736DG **Enterprise Informations Systems** Spring 2021
- Teaching in Distance Learning postgraduate course of the MBA: MBAN 603DEG **Decision Making Methods and Tools** Spring 2021
- Teaching in Distance Learning postgraduate course of the MBA: MBAN 736DG **Enterprise Informations Systems** Fall 2020
- Teaching in Distance Learning postgraduate course of the MBA: MBAN 603DEG **Decision Making Methods and Tools** Fall 2020
- Researcher under the program DevOps https://devops.uth.gr/dev/about-the-project/

Open University of Cyprus August 2020 – January 2022
Adjunct Faculty, School of Pure and Applied Sciences
- Coordinator of the course **Cognitive Agents and Reasoning** under the postgraduate program **Cognitive System** Fall 2020 and Fall 2021
- Coordinator of the graduate course **Introduction to Artificial Intelligence** under the postgraduate program **Cognitive System** Fall 2023

University of Thessaly February 2021 – July 2021
Adjunct Professor (Research Fellow),School of Health Sciences, Department of Public Health
- Teaching the undergraduate course: **Information Society (Topics of Computer Science)** Spring 2021
- Teaching the undergraduate course: **Science Communication** Spring 2021

University of Aegean November 2020 – June 2021
Adjunct Professor (Research Fellow), School of Business, Department of Business Administration
- Teaching the undergraduate course: **Mathematics** Fall 2020
- Teaching the undergraduate course: **Topics in Mathematics** Fall 2020
- Teaching the undergraduate course: **Decision tools (Mathematics in Business)** Spring 2021

University of West Attica November 2019 – July 2020
Academic Fellow (Teaching and Research Fellow), School of Health and Care Sciences, Department of Biomedical Sciences
- Teaching the undegraduate course: **Research Methodology** Spring 2020
- Teaching the undegraduate course: **Biostatistics** Fall 2019

University of Nicosia January 2018 – May 2018
Lecturer, School of Business
- Teaching in the Distance Learning MBA the postgraduate course MBAN 736DG **Enterprise Informations Systems** Spring 2018

University of Nicosia January 2018 – March 2018
Teaching Assistant, Digital Currencies Master Degree
- Teaching in the Distance Learning of Digital Currency program the postgraduate course MIS 536 **Emerging Topics and Practical Considerations in Blockchains** Spring 2018

Hellenic American University - Hellenic American College June 2018 – December 2020
Adjunct Professor
- Teaching the postgraduate (e-learning) course: IT6264 **IT Management and Strategy** Fall 2020

- Teaching the undegraduate (e-learning) course: MATH300 **Discretes Mathematics** — Fall 2020
- Teaching the undegraduate (e-learning) course: BUS240 **Business Statistics** — Fall 2020
- Teaching the undegraduate (e-learning) course: GEN100 **Introduction to Engineering** — Fall 2020
- Teaching the undegraduate course: MATH 300 **Discretes Mathematics** — Spring 2020
- Teaching the undegraduate course: MATH150 **College Calculus** — Spring 2020
- Teaching the undegraduate course: IT370 **Operating Systems** — Spring 2020
- Teaching the undegraduate (e-learning) course: IT270 **Social and Professional Issues** — Spring 2020
- Teaching the postgraduate (e-learning) course: IT6264 **Management and Strategy** — Fall 2019
- Teaching the undegraduate (e-learning) course: MATH150 **College Calculus** — Fall 2019
- Teaching the undegraduate (e-learning) course: IT400 **Emerging Technologies and Themes** — Fall 2019
- Teaching the undegraduate course: BUS640 **Business Statistics** — Fall 2019
- Teaching the undegraduate course: MATH300 **Discretes Mathematics** — Spring 2019
- Teaching the undegraduate course: MATH150 **College Calculus** — Spring 2019
- Teaching the undegraduate course: EL100 **Introduction to Electrical circuits** — Spring 2019
- Teaching the undegraduate course: BUS6110 **Operation Research** — Spring 2019
- Teaching the undegraduate course: MATH90 **Fundamentals of Mathematics** — Fall 2018
- Teaching the undegraduate course: MATH150 **College Calculus** — Fall 2018
- Teaching the undegraduate course: MATH300 **Discretes Mathematics** — Fall 2018
- Teaching the undegraduate (e-learning) course: BUS6110 **Operations Research** — Summer 2018

UNICAF   August 2016 – December 2017
Part time Lecturer
- Teaching in the Distance Learning MBA the postgraduate course MBAN 603DEG **Decision Making Methods and Tools**
- Teaching in the Distance Learning MBA the postgraduate course MCU-BUS 640 **Statistics, Decision-making and Modeling**

PREVIOUS RESEARCH PROJECTS

DAEM the IT Company of City of Athens   January 2021 – December 2022
Manager of AI projects & Senior Researcher in AI in 7 HORIZON research projects.
- Researcher for the program **Prescient building Operation utilizing Real Time data for Energy Dynamic Optimization - PRELUDE** under the action *HORIZON 2020*
- Researcher for the program **Future Proofing of ICT Trust Chains: Sustainable Operational Assurance and Verification Remote Guards for Systems-of-Systems Security and Privacy - ASSURED** under the action HORIZON 2020 https://www.project-assured.eu/
- Researcher for the program **Digital Urban European Twins for smarter decision making - DUET** under the action *HORIZON 2020* https://www.digitalurbantwins.com/
- Researcher for the program **Fostering the Urban food System Transformation through Innovative Living Labs Implementation - FUSILLI** under the action *HORIZON 2020*
- Researcher for the program **Measuring the Social Dimension of Culture - MOSAC** under the action HORIZON 2020 https://cordis.europa.eu/project/id/870935
- Researcher for the program **Digital Disruptive Technologies to Co-create, Co-produce and Co-manage Open Public Services along with Citizens - CO3** under the action HORIZON 2020 http://www.projectco3.eu/el/
- Researcher for the program **Co-Deciding Europe: Civic Tech for Good Governance and Active Citizenship! (CODE Europe)**

ITML   October 2022 – December 2022
Researcher

- Researcher for the program **Multimodal Extreme Scale Data Analytics for Smart Cities Environments - MARVEL** under the action H2020. Work for the WP3: "AI-based distributed algorithms for multimodal perception and situational awareness".

University of Thessaly   February 2021 – August 2021
Researcher, School of Health Sciences, Department of Public Health
- Researcher for the program **Artificial Intelligence, Innovation & Society, the future of medicine / AIIS** under the action KA2: Cooperation for innovation and the exchange of good practices - Knowledge Alliances

National Technical University of Athens   August 2020 – August 2021
Researcher, School of Mechanical Engineering
- Researcher for the program **AccuFlow** under the action ESPA 2014-2020

KOS - HELLAS   October 2019 – February 2020
Researcher
- Researcher for the program **NOESIS** under the action ESPA 2014-2020
- Researcher for the program **3BUILD** under the action ESPA 2014-2020

EDUCATION

PhD, Mathematics
School of Applied Mathematics and Physics, National Technical University of Athens (NTUA),   2019
THESIS - Topological Models, Computer Science Semantics and Applications of Logic in AI

Master of Science, Applied Mathematical Analysis
School of Applied Mathematics and Physics, National Technical University of Athens (NTUA),   2012

Diploma, Mathematics
School of Applied Mathematics and Physics, National Technical University of Athens (NTUA),   2008

COMPUTER SKILLS

Experienced in Prolog, Python, R, SIMUL8, AnyLogic, NetLogo, MATLAB, SPSS, PSPP statistical package;

PUBLICATIONS

Journals

J1: Yiannis Kiouvrekis, Ioannis S. Stamatiou, Domain preserving and strongly converging explicit scheme for the stochastic SIS epidemic model, Journal of Computational and Applied Mathematics, Volume 456, 2025, 116219, ISSN 0377-0427, doi:10.1016/j.cam.2024.116219

J2: Yiannis Kiouvrekis, Sotiris Zikas, Ilias Katis, Ioannis Tsilikas, Ioannis Filippopoulos, Development of electromagnetic pollution maps utilizing Gaussian process spatial models, Science of The Total Environment, Volume 955, 2024, 176907, ISSN 0048-9697, doi:10.1016/j.scitotenv.2024.176907

J3: Vaitsi, G.A.; Bourganou, M.V.; Lianou, D.T.; Kiouvrekis, Y.; Michael, C.C.; Gougoulis, D.A.; Fthenakis, G.C. Scientometric Analysis: An Emerging Tool in Veterinary and Animal Scientific Research. Animals 2024, 14, 3132. doi:10.3390/ani14213132

J4: Kiouvrekis, Y.; Vasileiou, N.G.C.; Katsarou, E.I.; Lianou, D.T.; Michael, C.K.; Zikas, S.; Katsafadou, A.I.; Bourganou, M.V.; Liagka, D.V.; Chatzopoulos, D.C.; et al. The Use of Machine Learning to Predict Prevalence of Subclinical Mastitis in Dairy Sheep Farms. Animals 2024, 14, 2295. doi:10.3390/ani14162295

J5: Bourganou, M.V.; Kiouvrekis, Y.; Chatzopoulos, D.C.; Zikas, S.; Katsafadou, A.I.; Liagka, D.V.; Vasileiou, N.G.C.; Fthenakis, G.C.; Lianou, D.T. Assessment of Published Papers on the Use of Machine Learning in Diagnosis and Treatment of Mastitis. Information 2024, 15, 428. doi:10.3390/info15080428

J6: T. Panagiotakopoulos, Y. Kiouvrekis, L. -M. Misthos and C. Kappas, "RF-EMF Exposure Assessments in Greek Schools to Support Ubiquitous IoT-Based Monitoring in Smart Cities," in IEEE Access, vol. 11, pp. 7145-7156, 2023, doi:10.1109/ACCESS.2023.3237970

J7: Tyrakis, C., Theodorou, K., Kiouvrekis, Y., Alexias, A. and Kappas, C. (2023), Radiofrequency Exposure Levels in Greece. Bioelectromagnetics, 44: 17-25. doi:10.1002/bem.22434

J8: Almpani Sofia, Kiouvrekis Yiannis, Stefaneas Petros and Frangos Panayiotis, Computational Argumentation for Medical Device Regulatory Classification, International Journal on Artificial Intelligence Tools, 31, 01, 2022, doi:10.1142/S0218213022500051

J9: Athanasios Tsitsiflis, Yiannis Kiouvrekis, Georgios Chasiotis, Georgios Perifanos, Stavros Gravas, Ioannis Stefanidis, Vassilios Tzortzis, Anastasios Karatzas, The use of an artificial neural network in the evaluation of the extracorporeal shockwave lithotripsy as a treatment of choice for urinary lithiasis, Asian Journal of Urology, 2021,ISSN 2214-3882, doi:10.1016/j.ajur.2021.09.005 [PDF]

J10: Vaioulis, Alexandros; Bonotis, Konstantinos; Perivoliotis, Konstantinos; Kiouvrekis, Yiannis; Gravas, Stavros; Tzortzis, Vasilios; Karatzas, Anastasios, Quality of Life and Anxiety in Patients with First Diagnosed Non-Muscle Invasive Bladder Cancer Who Receive Adjuvant Bladder Therapy,Bladder Cancer, 1 Jan. 2021 : 297 – 306. doi:10.3233/BLC-201524 [PDF]

J11: Y Kiouvrekis, A Alexias, V Softa, M Alkhorayef, A Sulieman, C Tyrakis, C Kappas, Extremely Low Frequency Electromagnetic Exposure Assessment in Schools: A Statistical Analysis of Urban and Semi-Urban Areas, Radiation Protection Dosimetry, 2021;, ncab076, doi:10.1093/rpd/ncab076

J12: Yiannis Kiouvrekis, Georgios Manios, Vasiliki Tsitsia, Georgios Gourzoulidis, Constantin Kappas, *A statistical analysis for RF-EMF exposure levels in sensitive land use: A novel study in Greek primary and secondary education schools*, Environmental Research, Volume 191, 2020, 109940, ISSN 0013-9351, doi:10.1016/j.envres.2020.109940

J13: Tyrakis, C., Gourzoulidis, G.A., Kiouvrekis, Y., Alexias, A., Alkhorayef, M., Sulieman, A. and Kappas, C. (2020), *Radiofrequency Exposure in Schools' Environment Reveals Spectrum Characteristics: The Role of Public Information.* Bioelectromagnetics, 41: 558-564. doi:10.1002/bem.22286

J14: Softa, V., Kiouvrekis, Y., Makridou, A., Kappas, C., Kyrgias, G., & Theodorou, K. (2020).*Dosimetric and radiobiological evaluation of four radiation techniques in preoperative rectal cancer radiotherapy.* Journal of Radiotherapy in Practice, 1-8. doi:10.1017/S1460396920000564

J15: Aris Alexias, Yiannis Kiouvrekis, Charilaos Tyrakis, Mohammed Alkhorayef, Abdelmoneim Sulieman, Ioannis Tsougos, Kiki Theodorou, Constantin Kappas, *Extremely low frequency electromagnetic field exposure measurement in the vicinity of wind turbines*, Radiation Protection Dosimetry, Volume 189, Issue 3, May 2020, Pages 395–400, doi:10.1093/rpd/ncaa053

J16: Aris Alexias, Yiannis Kiouvrekis, Vasiliki Softa, Constantin Kappas, Charilaos Tyrakis, Kiki Theodorou, *RF-EMF exposure levels in sensitive land use in greece: educational units census in the municipality of Korydallos*, Radiation Protection Dosimetry, Volume 190, Issue 2, June 2020, Pages 193–199, doi:10.1093/rpd/ncaa090

J17: Kiouvrekis, Y., Stefaneas, P. & Sudoplatov, *Lattices in generatice classes*, Siberian Electronic Mathematical Reports. 2019. Vol. 16. P. 1752-1761. doi:10.33048/semi.2019.16.123

J18: Kiouvrekis, Y., Stefaneas, P.& Sudoplatov S., *Definable Sets in Generic Structures and their Cardinalities* S.V. Sib. Adv. Math. (2018) 28: 39. doi:10.3103/S1055134418010030

J19: Kiouvrekis, Y., Stefaneas, P. & Sudoplatov S., Definable sets in generic structures and their cardinalities, Matematicheskie trudy. 2017. Vol. 20, N 2. P. 52-79. doi:10.17377/mattrudy.2017.20.203

Chapters in Books

B1: Kiouvrekis, Y., Panagiotakopoulos, T., Ouranos, I., Filippopoulos, I. (2022). Artificial Intelligence, Big Data Analytics, and Smart Cities. In: Fitsilis, P. (eds) Building on Smart Cities Skills and Competences. Internet of Things. Springer, Cham. doi:10.1007/978-3-030-97818-1_19

B2: Kiouvrekis, Y., Stefaneas, P., Vandoulakis, I. (2022). On the Transformations of the Square of Opposition from the Point of View of Institution Model Theory. In: Beziau, JY., Vandoulakis, I. (eds) The Exoteric Square of Opposition. Studies in Universal Logic. Birkhäuser, Cham. doi:10.1007/978-3-030-90823-2_13

B3: Sudoplatov, S. V., Kiouvrekis, Y., & Stefaneas, P. (2017). Generic constructions and generic limits. Algebraic Modeling of Topological and Computational Structures and Applications. AlModTopCom 2015. Springer Proceedings in Mathematics & Statistics, (Vol. 219, pp. 375-398). Springer, Cham. doi:10.1007/978-3-319-68103-0_18

Papers in Conference proceeding with review

CP1: I. Filippopoulos, C. Caballero, A. Christofi and Y. Kiouvrekis, "Digital Transformation in Maritime Safety Management: Optimizing HSQE Processes for Efficiency and Resilience," 2024 IEEE 15th International Colloquium on Logistics and Supply Chain Management (LOGISTIQUA), Sousse, Tunisia, 2024, pp. 1-6, doi:10.1109/LOGISTIQUA61063.2024.10571422

CP2: I. Filippopoulos, X. Christodoulidou and Y. Kiouvrekis, "How Can Shipping Companies Manage Environmentally Beneficial Operations in a Sustainable Way?," 2024 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS), Manama, Bahrain, 2024, pp. 1579-1583, doi:10.1109/ICETSIS61505.2024.10459657

CP3: I. Filippopoulos, C. Skiadas, A. Violaris, M. Tsaknaki and Y. Kiouvrekis, "Road-map for digital transformation in shipping industry: a real use case," 2022 IEEE Global Conference on Artificial Intelligence and Internet of Things (GCAIoT), Alamein New City, Egypt, 2022, pp. 1-6, doi:10.1109/GCAIoT57150.2022.10019212

CP4: T. Panagiotakopoulos, Theodor and Filippopoulos, Ioannis and Filippopoulos, Christos and Filippopoulos, Evangelos and Lajic, Zoran and Violaris, "Vessel's trim optimization using IoT data and machine learning models," 2022 13th International Conference on Information, Intelligence, Systems & Applications (IISA), 2022, pp. 1-5, doi:10.1109/IISA56318.2022.9904361

CP5: I. Filippopoulos, T. Panagiotakopoulos, C. Skiadas, S. -M. Triantafyllou, A. Violaris and Y. Kiouvrekis, "Live Vessels' Monitoring using Geographic Information and Internet of Things," 2022 13th International Conference on Information, Intelligence, Systems & Applications (IISA), 2022, pp. 1-7, doi:10.1109/IISA56318.2022.9904408

CP6: S. Almpani, Y. Kiouvrekis and P. Stefaneas, "Modeling of Medical Devices Classification with Computational Argumentation," 2021 12th International Conference on Information, Intelligence, Systems & Applications (IISA), 2021, pp. 1-6, doi:10.1109/IISA52424.2021.9555530.

CP7: A. Kanavos, T. Panagiotakopoulos, G. Vonitsanos, M. Maragoudakis and Y. Kiouvrekis, "Forecasting Winter Precipitation based on Weather Sensors Data in Apache Spark," 2021 12th International Conference on Information, Intelligence, Systems & Applications (IISA), 2021, pp. 1-6, doi:10.1109/IISA52424.2021.9555553.

CP8: Koumantaki EE., Filippopoulos I., Kokkinaki A., Liakou C., Kiouvrekis Y. (2020) *Telemedicine in Shipping Made Easy - Shipping eHealth Solutions.* In: Themistocleous M., Papadaki M., Kamal M.M. (eds) Information Systems. EMCIS 2020. Lecture Notes in Business Information Processing, vol 402. Springer, Cham. doi:10.1007/978-3-030-63396-7_33

CP9: Karanika A., Filippopoulos I., Kokkinaki A., Efstathiadis P., Tsilikas I., Kiouvrekis Y. (2020) Extensive Use of RFID in Shipping. In: Themistocleous M., Papadaki M., Kamal M.M. (eds) Information Systems. EMCIS 2020. Lecture Notes in Business Information Processing, vol 402. Springer, Cham. doi:10.1007/978-3-030-63396-7_54

CP10: Kiouvrekis, Y., Stefaneas, P., Kokkinaki, A., & Asimakis, N. (2019).*Limiting the impact of statistics as a proverbial source of falsehood.* In M. Themistocleous, M. Themistocleous, & P. R. da Cunha (Eds.), Information Systems - 15th European, Mediterranean, and Middle Eastern Conference, EMCIS 2018, Proceedings (pp. 433-442). (Lecture Notes in Business Information Processing; Vol. 341). Springer Verlag. doi:10.1007/978-3-030-11395-7_33

CP11: Kiouvrekis Yiannis, Kokkinaki Aggeliki, Stefaneas Petros, *An argumentation based statistical support tool*, AMSA'2017, Krasnoyarsk, Russia, 18-22 September, 2017: Proceedings of the International Workshop. - Novosibirsk: NSTU publisher, 2017. - 227-233. ISSN 2313-870X

CP12: Kiouvrekis Y. *Agent-behavior system: An introduction to a topological approach*, Algebra and Model Theory 11. Collection of papers / Collection of papers edited by A. G. Pinus, E. N.Poroshenko, - Novosibirsk : NSTU, 2017 - P. 81-85

CP13: Kiouvrekis Y., Stefaneas P. *Topological semantics in institutions with proofs*, Algebra and Model Theory 10. Collection of papers /Eds.: A.G.Pinus, K.N.Ponomaryov, S.V.Sudoplatov, and E.I.Timoshenko. - Novosibirsk : NSTU, 2015. - P. 92-100.

Abstracts in Conference proceedings with review

AC1: Yiannis Kiouvrekis and Petros Stefaneas, Understanding computer-assisted proofs, presented in 26th International Congress of History of Science and Technology

AC2: Kiouvrekis, Y. and Softa, V. and Filippopoulos, Y. and Kappas, K., Unsupervised machine learning and EMF radiation in schools: a study of 205 schools in Greece, 2021, 92, S239, Physica Medica: European Journal of Medical Physics, 2021/12/01, doi:10.1016/S1120-1797(22)00517-8

AC3: Kiouvrekis, Y., Alexias, A., Softa, V., Filippopoulos, Y., & Kappas, K. (2021). RF-EMF exposure levels in municipal waste collection service and ELF-EMF exposure levels at the electric railway system of Greece. Physica Medica: European Journal of Medical Physics, 92, S239-S240. doi:10.1016/S1120-1797(22)00518-X

AC4: Softa, V., Kiouvrekis, Y., Makridou, A., Kappas, C., Kyrgias, G., & Theodorou, K. (2021). Comparison of 3D, IMRT and VMAT in preoperative rectal cancer: dosimetric and radiobiological evaluation. Physica Medica: European Journal of Medical Physics, 92, S182.doi:https://doi.org/10.1016/S1120-1797(22)00388-X

AC5: Tyrakis, C., Softa, V., Alexias, A., Kiouvrekis, Y., Theodorou, K., & Kappas, C. (2021). Radiofrequency exposure measurements in Greece. Physica Medica: European Journal of Medical Physics, 92, S249-S250.doi:10.1016/S1120-1797(22)00540-3

AC6: Yiannis Kiouvrekis, Angelika Kokkinaki, Giorgos Andrikopoulos, Academic Integrity in the Age of COVID-19: The Case of the Tertiary Education System in Greece, Book of abstract, p.116-117, European Conference on Academic Integrity and Plagiarism 2021, 9th-11th of June 2021 [Book of Abstract]

AC7: Yiannis Kiouvrekis, Angelika Kokkinaki, Giorgos Andrikopoulos, Perceptions and Illusions of Students Regarding Presumably Undetected Cheating During the COVID-19 Pandemic in Greece, Book of abstract, p.114-115, European Conference on Academic Integrity and Plagiarism 2021, 9th-11th of June 2021 [Book of Abstract]

AC8: Remarks on Abstract Logical Topologies: An Institutional Approach, 16th International congress on logic, methodology and philosophy of science and technology, Prague August 2019

AC9: Kiouvrekis, Y., Sudoplatov, S. & Stefaneas P., On lattices in generative classes, Handbook of the 6th World Congress and School on Universal Logic June 16–26, 2018 Vichy, France. – Vichy: Vichy University, 2018. – P. 243-244

AC10: Kiouvrekis, Y., Sudoplatov, S. & Stefaneas P., Calculi for definable sets, Handbook of the 6th World Congress and School on Universal Logic June 16–26, 2018 Vichy, France. – Vichy: Vichy University, 2018. – P. 240-241.

AC11: Kiouvrekis, Y., Sudoplatov, S. & Stefaneas P., On definable sets in generic structures, Handbook of the 6th World Congress and School on Universal Logic June 16–26, 2018 Vichy, France. – Vichy: Vichy University, 2018. – P. 233-234.

AC12: Kiouvrekis Y. Dualities, Modalities and Institutions, ISSC 2016 - International Conference, The Logics of Image: Visualization, Iconicity, Imagination and Human Creativity Santorini, 25-30 July 2016, The Book of Abstracts – p.91-92

Future Abstracts/Papers in Conference proceedings with review

Papers under Review

PUR1: Yiannis Kiouvrekis, Ioannis Stamatiou, *Domain preserving and strongly converging explicit scheme for the stochastic SIS epidemic model*

PUR2: Kiouvrekis, Yiannis and Zikas, Sotiris and Katis, Ilias and Tsilikas, Ioannis and Filippopoulos, Ioannis, Development of Electromagnetic Pollution Maps in Prevention of Health Issues from Long-Term Exposure to Electromagnetic Fields Utilizing Gaussian Process Spatial Models. Available at SSRN: https://ssrn.com/abstract=4736266 or http://dx.doi.org/10.2139/ssrn.4736266

PUR3: Yiannis Kiouvrekis, Natalia G.C. Vasileiou, Eleni I. Katsarou, Daphne T. Lianou, Charalambia K. Michael, Sotiris Zikas, Angeliki I. Katsafadou, Maria V. Bourganou, Dimitra V. Liagka, Dimitris C. Chatzopoulos, George C. Fthenakis, The use of machine learning to predict prevalence of subclinical mastitis in dairy sheep farms

PUR4: Maria V. Bourganou, Yiannis Kiouvrekis, Dimitrios C. Chatzopoulos, Sotiris Zikas, Angeliki I. Katsafadou, Dimitra V. Liagka, Natalia G.C. Vasileiou, George C. Fthenakis, Daphne T. Lianou, Assessment of Published Papers on the Use of Machine Learning in Diagnosis and Treatment of Mastitis

Selected Presentations

SP1: Understanding computer proofs: From Robbin's conjecture to explainable artificial intelligence; Mathematical proofs and styles of reasoning: East vs. West, Symposium for the 26th International Congress of History of Science and Technology, Prague, July 25-31, 2021.

SP2: Remarks on Abstract Logical Topologies: An Institutional Approach, 16th International congress on logic, methodology and philosophy of science and technology Prague August 2019

SP3: Rules: Logic and Applications Workshop, Athens December 19-20, 2018, Formal Methods and Blockchain Models, for a universal blockchain logic.

SP4: On definable sets in generic structures, with S.Syduplatov 24/7/2018, Model theory workshop, 6th World Congress and School on Universal Logic, June 16–26, 2018 Vichy, France

SP5: On lattices in generative classes with S.Sudoplatov; 24/7/2018, Model theory workshop, 6th World Congress and School on Universal Logic, June 16–26, 2018 Vichy, France

SP6: Calculi for definable sets with S.Sudoplatov 24/7/2018, Model theory workshop, 6th World Congress and School on Universal Logic, June 16–26, 2018 Vichy, France

SP7: Topological Semantics and fundamental theorems via Topology – 25/7/2018, Model theory workshop, 6th World Congress and School on Universal Logic, June 16–26, 2018 Vichy, France,

SP8: Invited speaker at 12th International Summer School-Conference "Problems Allied to Universal Algebra and Model Theory" Erlagol- 2017, June 23-29, 2017 at Novosibirsk, Russia

SP9: Dualities, Modalities and Institutions, Yiannis Kiouvrekis ISSC 2016 - International Conference, The Logics of Image: Visualization, Iconicity, Imagination and Human Creativity Santorini, 25-30 July 2016

SP10: 3rd International Conference on Cryptography, Cyber Security and Information Warfare, 2016, Towards Abstract Logics for Secure Communication

SP11: International Congress on Mathematics, MICOM 2015, Research towards an Institution Independent Model Theory

SP12: 22nd International Workshop on Algebraic Development Techniques (WADT 2014), Fixed Point Logics as Institutions, Yiannis Kiouvrekis, Petros Stefaneas

SP13: Logic and Utopia 2014, A Universal Approach to teaching Logic, Yiannis Kiouvrekis