

# Curriculum Vitae

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## Personal Data

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Surname : **Anagnostopoulos**  
Name : **Theodoros**  
Place of birth : Athens  
Date of birth : October 26, 1976  
Marital status : Complete  
Address : 13 Amarousiou Ave., Lykovrysi, 141 23, Athens, Greece  
Telephone : +30 6944 334755  
Home page : <https://www.linkedin.com/in/theodoros-anagnostopoulos/>  
Email : [Theodoros.Anagnostopoulos@uniwa.gr](mailto:Theodoros.Anagnostopoulos@uniwa.gr)

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## Current National Academic Post

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2017 - Now : **Lecturer (Teaching) in Computer Science**  
DigiT.DSS.Lab. Department of Business Administration. University of West Attica. Greece.

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## Current Overseas Academic Post

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2016 - Now : **Associate Lecturer in Internet of Things (IoT)**  
International Research Laboratory in Modern Communications Technologies and Applications in Economics and Finances.  
Department of Infocommunication Technologies. ITMO University. Russia.

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## Current Overseas Research Post

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2020 - Now : **Research Associate in Artificial Intelligence (AI)**  
Essence: Pervasive & Distributed Intelligence Laboratory. School of Computing Science. University of Glasgow. United Kingdom.

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## Academic Qualifications

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2004 - 2012 : **PhD in Computer Science**  
Advanced location prediction techniques in mobile computing  
Department of Informatics and Telecommunications - Faculty of Science – National and Kapodistrian University of Athens  
*First with Honours*

2010 - 2018 : **MSc in Education Sciences**  
Open and distance education  
*Track: Education Sciences*  
Department of Education Sciences - Faculty of Humanities - Hellenic Open University

2001 - 2003 : **MSc in Information Systems**  
Security of wireless networks  
*Track: Advanced Information Systems*  
Department of Informatics - Faculty of Science - Athens University of Economics and Business

1999 - 2001 : **BSc in Computer Science**  
Machine learning clustering algorithms  
*Track: Computing Systems and Applications*  
Department of Informatics - Faculty of Science - Athens University of Economics and Business

1994 - 1997 : **BEng in Computer Engineering**  
Visualization of multimedia medical data  
*Track: Computing Systems and Applications*  
Department of Informatics and Computer Engineering - Faculty of  
Science - University of West Attica

I have been extensively involved with academia and industry in the areas of Internet of Things, Artificial Intelligence, Data Analytics, Context Aware Systems, and Smart Cities.

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### International Studies

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2007 - 2007 : **Visiting PhD Researcher**  
Department of Computer Science - Faculty of Sciences - University  
of Geneva (Uni Dufour)

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### Professional Experience

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- 2017 - Now : **University of West Attica**
- Lecturer (Teaching) in Computer Science at the Department of Business Administration. **Responsibilities:** (1) Chase funding and do research in the area of Intelligent Context Awareness Systems for Smart Cities, (2) Give lectures in MBA, MSc and BSc courses in Smart Cities and Internet of Things, (3) Do research and teaching in computer science extending possibilities for research and innovation in academia and industry within the context of Smart Cities, (4) Supervise 1 PhD student, and (5) Publish research in high quality journals and conferences.
- 2016 - Now : **ITMO University**
- Associated Lecturer in Internet of Things (IoT) at the Department of Infocommunication Technologies. **Responsibilities:** (1) Chase funding and do research in the Horizon 2020 project “bloTope: building IoT Open Innovation Ecosystem for connected smart objects” in the area of smart waste management for Smart Cities, (2) Analyse and design sustainable business models for efficient waste management in the Smart City of St. Petersburg, Russia, (3) Give lectures in MSc and BSc courses in machine learning, Internet of Things, smart waste management, intelligent transportation and pervasive data science, (4) Supervise 2 PhD students, and (5) Publish research in high quality journals and conferences.
- 2020 - Now : **University of Glasgow**
- Associate Researcher in Artificial Intelligence (AI) at the School of Computing Science. **Responsibilities:** (1) Chase funding and do research in the area of Artificial Intelligence for Car Riding Systems in Smart Cities, (2) Give lectures in MSc and BSc courses in Smart Cities and Artificial Intelligence, and (3) Publish research in high quality journals and conferences.
- 2016 - 2017 : **Ordnance Survey: Great Britain’s Mapping Agency**
- Principal Research Scientist in Smart Cities at the Department of Research & Education. **Responsibilities:** (1) Chase funding and do research in the Innovate UK project “ATLAS – Connected and Autonomous Vehicles (CAV)” in the area of smart routing for CAV with 5G signal strength mapping, (2) Chase funding and do research in the Engineering and Physical Sciences Research Council (EPSRC) project “PETRAS: Privacy, Ethics, Trust, Reliability, Acceptability and Security of the Internet of Things (IoT)” in the area of Security and Privacy in IoT for CAV surveillance in Smart Cities, (3) Invent the international patent: “Spatiotemporal Authentication” – Patent Number: “European Patent Application No. 17172573.2”, (4) Invent the international patent “Spatiotemporal Authentication” – Patent

Number: "United States Patent Application No. 15/976,517", and (5) Publish research in high quality journals and conferences.

- 2015 - 2016 : **University of Oulu**
- Senior postdoctoral researcher in Data Science at the Department of Computer Science and Engineering – Center for Ubiquitous Computing. **Responsibilities:** (1) Chase funding and do research in the Finnish Academy project "iCYCLE: Cyclist-aware traffic lights signalling system through distributed smartphone sensing" in the area of Smartphone-enabled Smart Cycling and Intelligent Transport Systems, (2) Do research in distributed smartphone sensing and location based services in Smart Cities, and (3) Publish research in high quality journals and conferences.
- 2014 - 2015 : **ITMO University**
- Senior postdoctoral researcher in Internet of Things on Intelligent Urban Transportation for Smart Cities at the Department of Infocommunication Technologies – Pervasive Computing & Internet of Things Research Group. **Responsibilities:** (1) Chase funding and do research in the Horizon 2020 project "bloTope: building IoT Open Innovation Ecosystem for connected smart objects" in the area of smart waste management for Smart Cities, (2) Do research in sustainable urban transportation in Smart Cities, and (3) Publish research in high quality journals and conferences.
- 2012 - 2014 : **University of West Attica**
- Postdoctoral researcher in Secure Text and Image Retrieval in Dedicated Purpose Distributed Wireless Environments at the Department of Informatics and Engineering. Information – Data and Knowledge Management Research Group. **Responsibilities:** (1) Chase funding and do research in the European Union FP7 - EOS project: "Archimedes III - Secure Text and Image Retrieval in Dedicated Purpose Distributed Wireless Environments" in the area of Artificial Intelligence and Machine Learning for Affective Computing. (2) Do research in privacy and security for distributed context awareness systems in Smart Cities, and (3) Publish research in high quality journals and conferences.
- 2003 - 2004 : **Military Service**
- Officer at the Bureau of Defence and Information Security – Greek Army. **Responsibilities:** (1) Operator in NATO's C4I Defense Systems, and (2) Software developer in Python and C.
- 1998 - 1999 : **Deloitte & Touche**
- Project Manager/Consultant – Research and Development Department – Consulting and Informatics. **Responsibilities:** (1) Do research in analysis and development of management information systems for recovery and process optimization with SQL-Server DBMS, and (2) Do research in analysis and processing of geographical information systems data for vehicle fleet management with MapInfo GIS.
- 1997 - 1997 : **OMAS Ltd**
- Developer/Analyst – Research and Development Department – Company of Informatics. **Responsibilities:** (1) Do research in the context of the European program of young scientists' employment in cooperation with companies of informatics, and (2) Software developer in Java, C++, Oracle DBMS and SAS.

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## Teaching Experience

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2019 - Now : Lecturer (Teaching) in Computer Science giving lectures in the

- course of “Statistical Quantitative Methods” offered by the MBA of the Department of Business Administration, University of West Attica.
- 2019 - 2019 : Erasmus+ Adjunct Lecturer giving lectures in “Internet of Things and Smart Cities” offered to MSc and BSc students at the Department of Business Administration, University of Nis.
- 2018 - 2019 : Lecturer (Teaching) in Computer Science giving lectures in the course of “Information Systems Security” offered by the MSc of the Department of Informatics and Computer Engineering, University of West Attica & the School of Computer Engineering, University of Limoges.
- 2018 - 2019 : Lecturer (Teaching) in Computer Science giving lectures in the courses of “Internet of Things” offered by the BSc of the Department of Business Administration, University of West Attica.
- 2018 - 2018 : Erasmus+ Adjunct Lecturer giving lectures in the “BetterSelf: Intensive Workshop on designing Wearables for Biofeedback” offered to PhD researchers and MSc students by the School of Digital Technologies, Tallinn University.
- 2017 - 2019 : Lecturer (Teaching) in Computer Science giving lectures in the course of “B2C Marketing & Smart Cities” and “B2B Marketing & Smart Cities” offered by the MSc of the Department of Interior Architecture & Design, University of West Attica.
- 2016 - 2019 : Associated Lecturer in Internet of Things giving lectures in the courses of “Machine Learning”, “Internet of Things”, “Smart Waste Management”, “Intelligent Transportation” and “Pervasive Data Science” offered by the MSc and the BSc of the Department of Infocommunication Technologies – International Research Laboratory in Modern Communications Technologies and Applications in Economics and Financies ITMO University.
- 2015 - 2015 : Visiting Lecturer giving lectures in the course of “Big Data Processing and Deep Learning Applications” offered by the BSc of the Department of Computer Science and Engineering, University of Oulu.
- 2014 - 2015 : Teaching Fellow giving lectures in the courses of “Internet of Things” and “Machine Learning” offered by the MSc and the BSc, respectively, of the Department of Infocommunication Technologies, ITMO University.
- 2012 - 2014 : Teaching Fellow giving lectures in the course of “Internet Technologies” offered by the MSc of the Department of Informatics and Telecommunications, National and Kapodistrian University of Athens.
- 2004 - 2006 : Teaching Fellow giving lectures in the courses of “Information Systems” and “Intelligent Systems” offered by the BEng of the Department of Informatics and Computer Engineering, University of West Attica.

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### **Invited Lectures**

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- University of Glasgow. School of Computing Science. Lecture on: “AI-enabled Ambulances Assisting Citizens’ Well-being after Earthquake Disasters in Smart Cities”.
- University of Southampton. Department of Engineering and the Environment. Lecture on: “OS Research and Education – Smart Cities”.

- Coventry University. Department of Computing. Lecture on: “OS Research and Education – Smart Systems and Autonomous and Connected Vehicles (CAV)”.

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### **Postdoctoral Supervision**

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- Ekaterina Gilman, PhD, Department of Computer Science and Engineering, Center for Ubiquitous Computing, University of Oulu.
- Huber Flores, PhD, Department of Computer Science and Engineering, Center for Ubiquitous Computing, University of Oulu.
- Jorge Goncalves, PhD, Department of Computer Science and Engineering, Center for Ubiquitous Computing, University of Oulu.

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### **Student Supervision**

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#### **Supervisor of PhD dissertations:**

- Konstantinos Psaraftis, “Distributed Data Privacy in Context Aware Smart Cities”, Department of Business Administration, University of West Attica.
- Niels van Berkel, “Longitudinal Human and Digital Sensing Using Mobile Devices”, Department of Computer Science and Engineering, University of Oulu.
- Chu Luo, “Enhancing mobile interaction during situational impairments”, Department of Computer Science and Engineering, University of Oulu.
- Alexey Medvedev, “Collection and Analytical Processing of vehicle on-board sensor data”, Department of Infocommunication Technologies, ITMO University.
- Inna Sosunova, “Ontology-based voice annotation of IoT data streams”, Department of Infocommunication Technologies, ITMO University.

#### **Supervisor of MSc thesis:**

- Dimitrios Antoniou, “Military equipment smart storage based on RFID technology”, Department of Informatics and Computer Engineering, University of West Attica,
- Ivona Voroneckaja, “Statistical analysis and pattern recognition in Edge Computing environments”, School of Computing Science, University of Glasgow.
- Juan Camilo, “Queuing behaviour analysis using smartphones”, Department of Computer Science and Engineering, University of Oulu.
- Alexander Samodelkin, “Estimating Time of Arrival towards an energy efficient smartphone sensing approach for smart cycling”, Community Imaging Group, University of Oulu.
- Konstantinos Antoniou, “Proactive Resource Management in wireless networks by using stock options”, Department of Informatics and Telecommunications, National and Kapodistrian University of Athens.
- Ioanna Loumioti, “Determining dynamic models for stochastic location prediction in pervasive computing”, Department of Informatics and Telecommunications, National and Kapodistrian University of Athens.

#### **Supervisor of BSc thesis:**

- Ioannis Miaris, “IoT-enabled smart marketing for supply chain logistics”, Department of Business Administration, University of West Attica.
- Zhou Junjie, “Using mobile sensing techniques to infer Indoor/Outdoor spatial context”, Department of Computer Science and Engineering, University of Oulu.
- Vasileios Mpotsis, “Completion of incomplete information framework in pervasive computing”, Department of Informatics and Telecommunications, National and Kapodistrian University of Athens.

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### **Funding Received**

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1. Funding from the [European Union – Horizon 2020](#) project: “bloTope: building IoT Open Innovation Ecosystem for connected smart objects” in the area of smart waste management for Smart Cities. Grant: 500,000 €. This is a collaborative consortium with academic and industrial partners from Finland, Russia and Australia. Role: PI.

2. Funding from the Innovate UK project: “ATLAS – Connected and Autonomous Vehicles (CAV)” in the area of smart routing for CAV with 5G signal strength mapping. Grant: 450,000 £. This is a collaborative consortium with academic and industrial partners from the UK. Role: PI.
3. Funding from the Engineering and Physical Sciences Research Council (EPSRC) project “PETRAS: Privacy, Ethics, Trust, Reliability, Acceptability and Security of the Internet of Things (IoT)” in the area of Security and Privacy in IoT for CAV surveillance in Smart Cities. Grant 200,000 £. This is a collaborative consortium with academic and industrial partners from the UK. Role: Co-PI.
4. Funding from the Academy of Finland project: “iCYCLE: Cyclist-aware traffic lights signalling system through distributed smartphone sensing” in the area of Smartphone-enabled Smart Cycling and Intelligent Transport Systems. Grant: 300,000 €. This is a collaborative consortium with academic and industrial partners from Finland. Role: Co-PI.
5. Funding from the European Union FP7 – EOS project: “Archimedes III - Secure Text and Image Retrieval in Dedicated Purpose Distributed Wireless Environments” in the area of Artificial Intelligence and Machine Learning for Affective Computing. Grant: 250,000 €. This is a collaborative consortium with academic and industrial partners from Greece. Role: PI.

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## Computer Literacy

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- **Operating Systems:**  
MS Windows, LINUX (Ubuntu), UNIX (Solaris), Mac OS, MS DOS.
- **DBMS:**  
Oracle, SQL Server, MS Access.
- **Programming Languages:**  
R, Python, Java, C, C++, Assembly, Fortran, Pascal, Cobol, SQL, PROLOG, JavaScript, AWK, HTML, XML, UML, Delphi, Visual Basic, Basic, MapBasic.
- **Artificial Intelligence Software :**  
H2O.
- **Machine Learning Software:**  
Weka.
- **Robotics Software :**  
ROS.
- **Data Science Software:**  
MATLAB.
- **Big Data Software:**  
Hadoop.
- **Smartphone Programming:**  
Android Studio, MobiOne.
- **Cloud Platforms:**  
OpenIoT.
- **Wireless Sensor Networks Software:**  
GSN.
- **Git Software:**  
GitHub.
- **Simulators:**  
J-Sim, Electronic Workbench.
- **Statistical Packages:**  
SAS, SPSS.
- **Geographic Information Systems Software:**  
ArcGIS, MapInfo, Google Maps, OpenStreetMap.
- **Information Systems Software:**  
MS Visio, IBM Rational Rose, Draw.IO
- **Content Management Systems:**  
Joomla, WordPress.
- **Learning Management Systems:**

Moodle, Chamilo.

- **Multimedia Development Environments:**  
Multimedia Toolbook, Adobe Photoshop, CorelDRAW, PowerDirector.
- **Parallel Systems Programming:**  
PVM (Parallel Virtual Machine) over SUN networks.

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### Massive Open Online Courses (MOOCs)

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- **edX:**  
Artificial Intelligence – UC Berkeley.  
Cyber Physical Systems – UC Berkeley.  
Robotics – Columbia University.
- **Coursera:**  
Machine Learning – Stanford University.

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### Seminars

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- MapInfo geographic information system.
- SAS for business analytics.

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### Webinars

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- Turing Lecture: Smarter Cities – The Alan Turing Institute.

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### Scientific Articles Reviewer

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- Conferences: UbiComp, ACM CHI, IEEE International Conference on Smart Data, International Conference on Data Science, International Conference on Soft Computing in Data Science, Hawaii International Conference on System Sciences, IEEE Infocom, IEEE WCNC, IEEE ICC, World Wide Web Conference, IST Mobile Summit, ACM/IEEE WISE, International Conference on Computational Science and Applications, WAC.
- Journals/Magazines: IEEE Sensors Journal, IEEE Communications, IEEE Transactions on Intelligent Transportation Systems, IEEE Transactions on Systems, Man, and Cybernetics: Systems, International Journal of Distributed Sensor Networks (SAGE), Journal of Machine Learning and Cybernetics (Springer), Evolving Systems (Springer), Journal of Distributed Sensor Networks (Hindawi), Journal on Systems and Software (Elsevier), Universal Access in the Information Society (Springer), Wiley Journal of Wireless Communications and Mobile Computing, Wireless Networks (Kluwer), ACM MC2R.

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### Research Project Funding Reviewer

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- Research project reviewer of the national funding action “Research – Create – Innovate”. Project IDs’ Reviewed: (1) T1EDK-02322, (2) T1EDK-02435, (3) T1EDK-03820, and (4) T1EDK-05038

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### Discriminations

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- Excellency delegate at the United Nations UNCRD 8<sup>th</sup> 3R Forum in Asia and the Pacific, Brilliant Convention Centre, Indore, Madhya Pradesh, India, April, 2018.
- Acknowledgement of expertise and pioneer research in the field of Smart Cities and Waste Management by the University at Buffalo, NY, USA, September, 2017.

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### Lead Guest Journal Editor

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- Lead Guest Journal Editor in the Special Issue of “IoT-Enabled Waste Management in Smart Cities”, Smart Cities, MDPI, April, 2020.
- Lead Guest Journal Editor in the Special Issue of “Smart Cities and Connected and Autonomous Vehicles Exploiting Distributed Sensor Networks”, International Journal of Distributed Sensor Networks (IJDSN), SAGE Publishing, January, 2017.

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## Conference Chair

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- Chair at the 1<sup>st</sup> International Conference on Mobile Computing, Networking and Applications, (MIC-Mobile 2020), Athens, Greece, March, 2020.

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## Membership in Organizing Conference Committees

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- Member of the organizing committee at the 36<sup>th</sup> IEEE International Conference on Data-Driven Smart Cities (DASC 2020), Dallas, Texas, USA, April, 2020.
- Member of the organizing committee at the 35<sup>th</sup> IEEE International Conference on Data-Driven Smart Cities (DASC 2019), Macau SAR, China, April, 2019.
- Member of the organizing committee at the 4<sup>th</sup> IEEE International Conference on Smart Data (SmartData-2018), Halifax, Canada, August, 2018.

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## Membership in Program Conference Committees

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- Member of the program committee at the 6<sup>st</sup> IEEE International Workshop on Edge Computing & Computational Intelligence (IEEE ECCI 2020), Glasgow, UK, July, 2020.
- Member of the program committee at the 6<sup>th</sup> IEEE International Conference on Big Data Service (IEEE BDS 2020), Oxford, UK, April, 2020.
- Member of the program committee at the 6<sup>th</sup> International Conference on Data Science, Technology and Applications (DATA 2017), Madrid, Spain, July, 2017.

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## Membership in Professional Bodies

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- ACM Professional Membership. Member number: 4703509
- IEEE Professional Membership. Member number: 93696335

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## Foreign Languages

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- Native Proficiency in Greek
- Full Proficiency in English
- Elementary Proficiency in Russian

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## Patents

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- Invent the international patent "Spatiotemporal Authentication". Patent Number: "United States Patent Application No. 15/976,517". I am the named inventor. IP is with the Ordnance Survey. May, 2018.
- Invent the international patent "Spatiotemporal Authentication". Patent Number: "European Patent Application No. 17172573.2". I am the named inventor. IP is with the Ordnance Survey. May, 2017.

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## Publications

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### Journals

1. T. Anagnostopoulos, T. Xanthopoulos, Y. Psaromiligkos, "A Smartphone Crowdsensing System Enabling Environmental Crowdsourcing for Municipality Resource Allocation with LSTM Stochastic Prediction", Sensors Journal, MDPI, July, 2020.
2. T. Anagnostopoulos, K. Ntalianis, I. Salmon, N. Tsotsolas, "Autonomous UAVs Supporting Accident Evaluation for Smart Cities' Recovery after Physical Disasters", International Journal of Management and Applied Science, IJMAS, June, 2020.
3. E. C. Gkika, T. Anagnostopoulos, S. Ntanos, G. L. Kyriakopoulos, "User Preferences on Cloud Computing and Open Innovation: A Case Study for University Employees in Greece", Journal of Open Innovation: Technology, Market, and Complexity, MDPI, June, 2020.
4. T. Anagnostopoulos, G. L. Kyriakopoulos, S. Ntanos, E. Gkika, S. Asonitou, "Intelligent Predictive Analytics for Sustainable Business Investment in Renewable Energy



- Sources”, *International Journal of Sustainability, Special Issue Technologies and Strategies of the Development of the Low Carbon Economy*, MDPI, April, 2020.
5. T. Anagnostopoulos, C. Kytagiias, T. Xanthopoulos, I. Georgakopoulos, I. Salmon, Y. Psaromiligkos, “Intelligent Predictive Analytics for Identifying Students at Risk of Failure in Moodle Courses”, *Springer LNCS Journal, Artificial Intelligence*, Springer, March, 2020.
  6. T. Anagnostopoulos, C. Luo, S. R. Jino Ramson, K. Ntalianis, V. Kostakos, C. Skourlas, “A multi-agent system for distributed, smartphone sensing cycling in smart cities”, *Journal of Systems and Information Technology*, Emerald, February, 2020.
  7. T. Anagnostopoulos, A. Zaslavsky, K. Ntalianis, C. Anagnostopoulos, S. R. Jino Ramson, P. J. Shah, S. Behdad, I. Salmon, “IoT-enabled Tip and Swap Waste Management Models for Smart Cities”, *International Journal of Environment and Waste Management*, Inderscience, January, 2020.
  8. G. Kyriakopoulos, S. Ntanos, T. Anagnostopoulos, N. Tsotsolas, I. Salmon, K. Ntalianis, “Internet of Things (IoT)-enabled elderly fall verification exploiting temporal inference models in Smart Homes”, *International Journal of Environmental Research and Public Health*, MDPI, January, 2020.
  9. T. Anagnostopoulos, P. Fedchenkov, N. Tsotsolas, K. Ntalianis, A. Zaslavsky, I. Salmon, “Distributed modeling of smart parking system using LSTM with stochastic periodic predictions”, *Neural Computing & Applications*, Springer, November, 2019.
  10. C. Luo, A. Visuri, S. Klakegg, N. van Berkel, Z. Sarsenbayeva, A. Mottonen, J. Goncalves, T. Anagnostopoulos, D. Ferreira, H. Flores, E. Velloso, V. Kostakos, “Energy-Efficient Prediction of Smartphone Unlocking”, *Personal and Ubiquitous Computing*, Springer, December, 2018.
  11. K. Psaraftis, T. Anagnostopoulos, K. Ntalianis, Nikolaos Mastorakis, “Customized Recommendation System for Optimum Privacy Model Adoption”, *International Journal of Economics and Management Systems*, IARAS, 3, 155 – 163, December, 2018.
  12. P. Fedchenkov, T. Anagnostopoulos, A. Zaslavsky, K. Ntalianis, I. Sosunova, O. Sadov, “An Artificial Intelligence based Forecasting in Smart Parking with IoT”, *Springer LNCS 11118 Journal, Internet of Things, Smart Spaces, and Next Generation Networks and Systems*, Springer, August, 2018.
  13. I. Sosunova, A. Zaslavsky, A. Matvienko, O. Sadov, P. Fedchencov, T. Anagnostopoulos, “Context-driven Heterogeneous Interface Selection for Smart City Applications”, *Springer LNCS 10531 Journal, Internet of Things, Smart Spaces, and Next Generation Networks and Systems*, Springer, August, 2018.
  14. P. J. Shah, T. Anagnostopoulos, A. Zaslavsky, S. Behdad, “A stochastic optimization framework for planning of waste collection and value recovery operations in smart and sustainable cities”, *Waste Management*, Elsevier, 78 (2018), 104 – 114, August, 2018.
  15. T. Anagnostopoulos, A. Zaslavsky, I. Sosunova, P. Fedchenkov, A. Medvedev, K. Ntalianis, C. Skourlas, A. Rybin, S. Khoruznikov, “A Stochastic Multi-agent System for IoT-enabled Waste Management in Smart Cities”, *Waste Management and Research*, SAGE, July, 2018, [DOI: 10.1177/0734242X18783843].
  16. P. Fedchenkov, A. Zaslavsky, A. Medvedev, T. Anagnostopoulos, I. Sosunova, O. Sadov, “Supporting Data Communications in IoT-enabled Waste Management”, *Springer LNCS 10531 Journal, Internet of Things, Smart Spaces, and Next Generation Networks and Systems*, Springer, August, 2017.
  17. I. Sosunova, A. Zaslavsky, P. Fedchenkov, T. Anagnostopoulos, O. Sadov, A. Medvedev, “SWM-PnR: Ontology-based Context-driven Knowledge Representation for IoT-enabled Waste Management”, *Springer LNCS 10531 Journal, Internet of Things, Smart Spaces, and Next Generation Networks and Systems*, Springer, August, 2017.
  18. T. Anagnostopoulos, J.C.Garcia, J. Goncalves, D. Ferreira, S. Hosio, V.Kostakos, “Environmental exposure assessment using Indoor/Outdoor detection on smartphones”, *Pervasive and Ubiquitous Computing*, Springer, May, 2017.
  19. T. Anagnostopoulos, A. Zaslavsky, K. Kolomvatsos, A. Medvedev, P. Amirian, J. Morley, S. Hadjiefthymiades, “Challenges and Opportunities of Waste Management in IoT-enabled Smart Cities: A Survey”, *IEEE Transactions on Sustainable Computing*, April, 2017.
  20. A. Berenguer, J. Goncalves, S. Hosio, D. Ferreira, T. Anagnostopoulos, V. Kostakos, “Are smartphones ubiquitous? An in-depth survey of smartphone adoption by seniors”, *IEEE Consumer Electronics Magazine*, January, 2017.
  21. T. Anagnostopoulos, D. Ferreira, A. Samodelkin, M. Ahmed, V. Kostakos. “Cyclist-aware traffic lights through distributed smartphone sensing”, *Pervasive and Mobile Computing*, Elsevier, February, 2016.

22. T. Anagnostopoulos, K. Kolomvatsos, C. Anagnostopoulos, A. Zaslavsky, S. Hadjiefthymiades, "Assessing Dynamic Models for High Priority Waste Collection in Smart Cities", *Journal of Systems and Software*, Elsevier, September, 2015.
23. T. Anagnostopoulos, A. Zaslavsky, S. Georgiou, S. Khoruzhnikov, "High Capacity Trucks serving as Mobile Depots for Waste Collection in IoT-enabled Smart Cities", *Springer LNCS 9247 Journal, Internet of Things, Smart Spaces, and Next Generation Networks and Systems*, Springer, July, 2015.
24. A. Medvedev, P. Fedchenkov, A. Zaslavsky, T. Anagnostopoulos, S. Khoruzhnikov, "Waste Management as an IoT enabled Service in Smart Cities", *Springer LNCS 9247 Journal, Internet of Things, Smart Spaces, and Next Generation Networks and Systems*, Springer, July, 2015.
25. I. Sosunova, A. Zaslavsky, T. Anagnostopoulos, A. Medvedev, S. Khoruzhnikov, V. Grudinin, "Ontology-based Voice Annotation of Data Streams in Vehicles", *Springer LNCS 9247 Journal, Internet of Things, Smart Spaces, and Next Generation Networks and Systems*, Springer, July, 2015.
26. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, A. Zaslavsky, "On-line Location Prediction Exploiting Spatial and Velocity Context", *International Journal of Wireless Information Networks*, Springer, December, 2014.
27. T. Anagnostopoulos, S. Khoruzhnikov, V. Grudinin, C. Skourlas, "Extended Speech Emotion Recognition and Prediction", *Scientific and Technical Journal of Information Technologies, Mechanics and Optics*, ITMO University, October, 2014.
28. T. Anagnostopoulos, A. Zaslavsky, "Effective Waste Collection with Shortest Path Semi-Static and Dynamic Routing", *Springer LNCS 8638 Journal, Internet of Things, Smart Spaces, and Next Generation Networks and Systems*, Springer, August, 2014.
29. T. Anagnostopoulos, C. Skourlas, "Ensemble Majority Voting Classifier for Speech Emotion Recognition and Prediction", *Journal of Systems and Information Technology*, vol:16, iss:3, Emerald, February, 2014.
30. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, "Efficient Location Prediction in Mobile Cellular Networks", *International Journal of Wireless Information Networks*, Springer Verlag, December, 2011.
31. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, "An Adaptive Machine Learning Algorithm for Location Prediction", *International Journal of Wireless Information Networks (2011) 18:88-99*, Springer, April, 2011.
32. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, "An Adaptive Location Prediction Model based on Fuzzy Control", *Computer Communications 34 (2011) 816-834*, Elsevier, January, 2011.

### **Monographs**

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1. T. Anagnostopoulos, "Advanced Location Prediction Techniques in Mobile Computing", *Abstracts of Doctoral Dissertations, NKUA, Department of Informatics and Telecommunications, Volume 8*, pp 7-18, Athens, June, 2013, The Committee of Research and Development: A. Eleftheriadis, M. Koubarakis, E. Manolakos (Chair), T. Theoharis, ISSN: 1791-7948.

### **Book Chapters**

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1. I. Sosunova, P. Fedchenkov, O. Sadov, A. Zaslavsky, T. Anagnostopoulos, A. Rybin, "Smart Waste Management System for Smart City", *Data Science and Big Data Analytics in Smart Environments*, CRC Press, Taylor & Francis Group, pp. 1-46, March 2020, Editors: M. Chinnici, F. Pop, C. Negru.
  2. S. Vishnu, S. R. Jino Ramson, K. Lova, Raju, T. Anagnostopoulos, "Simple-Link Sensor Network-Based Remote Monitoring of Multiple Patients", *Intelligent Data Analysis for Biomedical Applications*, Elsevier, pp. 237-252, April 2019, Editors: D. J. Hemanth, D. Gupta, V. E. Balas, DOI: 10.1016/B978-0-12-815553-0.00012-4.
  3. S. R. Jino Ramson, K. Lova Raju, S. Vishnu, T. Anagnostopoulos, "Nature Inspired Optimization Techniques for Image Processing – A Short Review", *Nature Inspired Optimization Techniques for Image Processing Applications*, Springer, pp 113-145, January 2019, Editors: J. Hemanth, V. E. Balas, ISBN: 978-3-319-96002-9.
  4. T. Anagnostopoulos, "Reinforcement and Non-Reinforcement Machine Learning Classifiers for User Movement Prediction", *Intelligent Technologies and Techniques for Pervasive Computing*, IGI Global, pp 218-237, May, 2013, Editors: S. Hadjiefthymiades C. Anagnostopoulos, K. Kolomvatsos, ISBN: 978-14-66640-38-2.
  5. D. Charilas, T. Anagnostopoulos, A. Panagopoulos, C. Anagnostopoulos, "Cooperative Networks: Optimization through Game Theory and Mobility Prediction", *Planning and*

### Conferences

1. E. Gilman, S. Tamminen, A. Keskinarkaus, T. Anagnostopoulos, X. Su, S. Pirttikangas, J. Rieki, "Fuel consumption analysis of driven trips with respect to route choice", 36<sup>th</sup> IEEE International Conference on Data-Driven Smart Cities (DASC 2020), Dallas, Texas, USA, April, 2020.
2. T. Anagnostopoulos, K. Ntalianis, N. Tsapatsoulis, "IoT-enabled Ambulances Assisting Citizens' Well-being after Earthquake Disasters in Smart Cities", Proceedings of the 12<sup>th</sup> IEEE International Conference on Internet of Things, iThings 2019, Atlanta, USA, July 2019.
3. T. Anagnostopoulos, K. Ntalianis, C. Skourlas, S.R. Jino Ramson, "IoT-enabled fall verification of elderly people in Smart Cities", Proceedings of the 22<sup>nd</sup> ACM Panhellenic Conference on Informatics, PCI 2018, Athens, Greece, November, 2018.
4. H. Flores, P. Hui, S. Tarkoma, Y. Li, T. Anagnostopoulos, V. Kostakos, C. Luo, X. Su, "SensorClone: A Framework for Harnessing Smart Devices with Virtual Sensors", Proceedings of the 9<sup>th</sup> ACM International Multimedia Systems Conference, MMSys 2018, Amsterdam, Netherlands, June, 2018.
5. C. Luo, H. K. M. Korhonen, J. Goncalves, T. Anagnostopoulos, S. I. Konomi, S. Klakegg, V. Kostakos, "Rapid Clock Synchronisation for Ubiquitous Sensing Services Involving Multiple Smartphones", Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing, UbiComp 2017, Maui, Hawaii, USA, September, 2017.
6. T. Anagnostopoulos, K. Ntalianis, C. Skourlas, I. Sosunova, P. Fedchenkov, A. Zaslavsky, "A ToA estimation system for efficient cycling in Smart Cities", Proceedings of the 21<sup>st</sup> ACM Panhellenic Conference on Informatics, PCI 2017, Larissa, Greece, September, 2017.
7. E. Gilman, S. Tamminen, A. Keskinarkaus, T. Anagnostopoulos, S. Pirttikangas, J. Rieki, "Fuel consumption based on route choice", Proceedings of the 2<sup>nd</sup> International Workshop on Smart Sensing Systems, IWSSS 2017, Oulu, Finland, August, 2017.
8. S. Hosio, J. Goncalves, T. Anagnostopoulos, V. Kostakos, "Leveraging Wisdom of the Crowd for Decision Support", Proceedings of the 30<sup>th</sup> British Human Computer Interaction Conference, British HCI 2016, Bournemouth, UK, July, 2016.
9. N. van Berkel, C. Luo, T. Anagnostopoulos, D. Ferreira, J. Concalves, S. Hosio, V. Kostakos, "A Systematic Assessment of Smartphone Usage Gaps", Proceedings of the 2016 ACM CHI Conference on Human Factors in Computing Systems, CHI 2016, San Jose, California, USA, May, 2016.
10. J. Goncalves, S. Hosio, D. Ferreira, T. Anagnostopoulos, V. Kostakos, "Bazaar: A Situated Crowdsourcing Market", Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing, UbiComp 2015, Osaka, Japan, September, 2015.
11. S. Georgiou, Y. A. Shevel, T. Anagnostopoulos, "Implementation of Green ICT Approach for Transferring Big Data over Parallel Data Link", Proceedings of the 2015 International Sustainable, Ecological Engineering Design for Society Conference, SEEDS 2015, Leeds, UK, September, 2015.
12. T. Anagnostopoulos, A. Zaslavsky, A. Medvedev, S. Khoruzhnicov, "Top-k Query based Dynamic Scheduling for IoT-enabled Smart City Waste Collection", Proceedings of the 16<sup>th</sup> IEEE International Conference on Mobile Data Management, MDM 2015, Pittsburgh, Pennsylvania, USA, June, 2015.
13. T. Anagnostopoulos, A. Zaslavsky, A. Medvedev, "Robust Waste Collection exploiting Cost Efficiency of IoT potentiality in Smart Cities", Proceedings of the 1<sup>st</sup> IEEE International Conference on Recent Advances in Internet of Things, RIoT 2015, Singapore, April, 2015.
14. T. Anagnostopoulos, "A Surveillance System for Preventing Suicide Attempts in Urban Metro Stations", Proceedings of the 18<sup>th</sup> ACM Panhellenic Conference on Informatics, PCI 2014, Athens, Greece, October, 2014.
15. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, "Mobility prediction based on machine learning", Proceedings of the 12<sup>th</sup> IEEE International Conference on Mobile Data Management, MDM 2011, Lulea, Sweden, June, 2011.
16. C. Anagnostopoulos, T. Anagnostopoulos, S. Hadjiefthymiades, "An Adaptive Data Forwarding Scheme for Energy Efficiency in Wireless Sensor Networks", Proceedings of the 5<sup>th</sup> IEEE Conference on Intelligent Systems, IS 2010, London, UK, July, 2010.

17. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, "An Online Adaptive Model for Location Prediction", Proceedings of the 3<sup>rd</sup> International ICST Conference, Autonomics 2009, Limassol, Cyprus, September, 2009.
18. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, M. Kyriakakos, A. Kalousis, "Predicting the location of mobile users: a machine learning approach", Proceedings of the 2009 International Conference on Pervasive Services, ICPS 2009, Imperial College, London, UK, July, 2009.
19. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, A. Kalousis, M. Kyriakakos, "Path Prediction through Data Mining", Proceedings of the 2007 International Conference on Pervasive Services, ICPS 2007, Istanbul, Turkey, July, 2007.
20. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, "Enabling Attack Behavior Prediction in Ubiquitous Environments", Proceedings of the 2005 International Conference on Pervasive Services, ICPS 2005, Santorini, Greece, July, 2005.
21. T. Anagnostopoulos, C. Anagnostopoulos, S. Hadjiefthymiades, "A History Model for Activity Coordination Towards Attack Probabilistic Reasoning", Proceedings of the 2005 International Conference on Pervasive Services, ICPS 2005, Santorini, Greece, July, 2005.

<b>Citations and Indicators of Citations according to Google Scholar</b>		
	All	Since 2015
Total number of citations	<b>1018</b>	902
h-index	<b>17</b>	15
i10-index	<b>21</b>	18