



Curriculum vitae Europass

Academic Profile

Personal information

First name / Surname

Achilleas Achilleos

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Nationality

Cypriot

Date of birth

27 September 1979

Gender

Male

Education and training

Dates

October 2005 → September 2009.

Title of qualification awarded

Ph.D., Computer Science.

Awarded

January 2010 (Fully Funded by EPSRC and British Telecom).

Name and type of organisation
providing education and training

Computer Science and Electronic Systems Engineering,
University of Essex, United Kingdom.

Dates

October 2004 → July 2005.

Title of qualification awarded

M.Sc., Computer and Information Networks.

Awarded

July 2005 (With Distinction).

Name and type of organisation
providing education and training

Computer Science and Electronic Systems Engineering,
University of Essex, United Kingdom.

Dates

October 2002 → June 2004.

Title of qualification awarded

B.Sc., Computer Engineering.

Awarded

June 2004 (With Excellence).

Name and type of organisation
providing education and training

Electrical Engineering and Informatics,
Budapest University of Technology and Economics (BUTE), Hungary.

Dates

September 1997 → June 2000.

Title of qualification awarded

HND, Computer Engineering.

Awarded

June 2000.

Name and type of organisation
providing education and training

Department of Electrical Engineering, Higher Technical Institute (HTI),
Cyprus.

Teaching Experience

Name and address of employers

Dept. of Electrical and Computer Engineering and Informatics, Frederick University of Cyprus.

Dates

September 2015 → Now.

Occupation or position held

Lecturer (tenure position opened 2021) & Co-Director MDL lab, Visiting Lecturer (2015-2020).

Main activities and responsibilities

Lecturer (Postgraduate Level): WSS502: Web Engineering, WSS521: Distributed and Cloud Computing, WSS551: Interactive Design for Web Systems.

Lecturer (Undergraduate Level):

ACSC288: Data Structures, ACSC131: Internet Technologies, ACSC476: Web Programming, ACSC383: Software Engineering, ACSC390: Software Engineering Professional Practice, ACSC382: Object Oriented Programming, ACSC404: Web Enabled Applications, WSS523: Software Reuse.

Academic Supervision:**M.Sc. Thesis:**

1. Dimitris Dimitriou, MSc Thesis – Web and Smart Systems, “A Web-based Crowdfunding Investment Platform”, 2020-2021.
2. Gioulianna Kalaizidou, MSc Thesis – Web and Smart Systems, “A Web-based Health Platform for Speech and Language Pathologists”, 2019-2020.
3. Erma Dymiotou, MSc Thesis – Web and Smart Systems, “A Smart Personnel Management System for Businesses”, 2018-2019.
4. Ioannis Giorkas, MSc Thesis – Web and Smart Systems, “Requirements Analysis and Evaluation of Smart City Platforms”, 2018-2019.
5. Kyriakos Michael, MSc Thesis – Web and Mobile Systems, “A Non-Immersive Virtual Reality Web Framework for Restaurant Reservation Services (VRWF-RRS)”, 2018-2019.
6. Iasonas Iasonos, MSc Thesis – Web and Mobile Systems, “An Automated Cloud Deployment and Provisioning Recommendation System”, 2017-2018.

B.Sc. Thesis:

1. Stylianos Georgiou, BSc. Thesis: "An Electronic Freight Exchange Optimization Platform", 2020-2021.
2. Anastasios Seiranidis, BSc. Thesis: "A Web-based Map Viewer Application for Properties Management", 2020-2021.
3. Anastasios Seiranidis, BSc. Thesis: "A Web Platform for Hourly-Based Matchmaking of Jobs", 2019-20.
4. Chrysanthos Michael, BSc. Thesis: "Smart Incident Reporting System", 2019-20.
5. Michalis Hadjidemetriou, BSc. Thesis: " SmartPolis Parking: A Real-Time Car Parking Availability System", 2018-19.
6. Ahmad Jamil, BSc. Thesis: " Smart City: A Smart Parking System", 2018-19.
7. Dimitris Dimitriou, BSc. Thesis: " SmartPolis Incident Reporting System (SIRS): A Citizen Crowdsourcing System for Incident Reporting in The Smart City", 2018-19.
8. Mark Jarovoi, B.Sc. Thesis: "Messaging as a Service", 2017-18.

Name and address of employers	Dept. of Computer Science, University of Cyprus. (1) Dept. of Information and Communications Systems, Open University of Cyprus. (2)
Dates	September 2010 → December 2015 (1). January 2014 → May 2015 (2).
Occupation or position held	Visiting Lecturer.
Main activities and responsibilities	<p>Visiting Lecturer (Postgraduate Level): EPL603: Advanced Software Engineering (1), PES642: Service Oriented Architectures (2).</p> <p>Visiting Lecturer (Undergraduate Level): EPL463: Software Reuse (1), EPL035: Data Structures and Algorithms (1), EPL003: Computer Science and Information Systems (1), EPL032: Introduction to Programming and Problem Solving (1), EPL034: Introduction to Programming for Engineers (1), Introduction to Object Oriented Programming (3), Introduction to Computer Application Packages (3).</p> <p>Academic Supervision: M.Sc. Thesis:</p> <ol style="list-style-type: none"> 1. Kyriaki Georgiou, M.Sc. Thesis: "A Reconfigurable and Regenerative Middleware for the Internet of Things", 2016-17 2. Kyriakos Evripidou, M.Sc. Thesis: "Real-time Nutrition and Coaching Web Platform: A Fitness Tracker Mobile Application", 2016-17 3. Paraskevi Hadjinikliaou, M.Sc. Thesis: "Real-time Nutrition and Coaching Web Platform: Web Services Portal for Fitness Tracking", 2016-17 4. Niklietta Petrou, M.Sc. Thesis: "A Non-Experts Platform for Automated Public Cloud Provisioning and Deployment: The Azure Public Cloud Case Study", 2016-17 5. Orthodoxia Savva, M.Sc. Thesis: "A Non-Experts Platform for Automated Private Cloud Provisioning and Deployment: The OpenStack Private Cloud Case Study", 2016-17 6. Marios Pantelidis, M.Sc. Thesis: "A Dynamic and Adaptive Logistics Platform for the Transport and Distribution of Goods", 2016-17 7. Charoula-Panayiotou, M.Sc. Thesis: "A Web-based Environmental Educational Training and Tour Booking System", 2016-17 8. Marios Komodromos, M.Sc. Thesis: "Interactive and Adaptive Smart City Incident Reporting System", 2015-16. - Digital Championship 2015-2016 - 3rd Award Student Entrepreneurship. 9. Marita Thoma, M.Sc. Thesis: "Analysis, Extension and Evaluation of an HTML5-based Context Middleware for Mobile Web Applications Development", 2013-14

	<p>B.Sc. Thesis:</p> <ol style="list-style-type: none"> 1. Savvas Savva, B.Sc. Thesis: "Adaptive Runtime Middleware", 2017-18 2. Loukia Themistokleous, B.Sc. Thesis: "Study of Really Simple Context Middleware middleware and Implementation of the CampusQuest application in Android", 2013-14 3. Maria Michael, B.Sc. Thesis: "Using Face Detection Methods for Improving HCI In BigBlueButton Videoconferencing And E-Learning System", 2012-13 4. Andreas Konstantinou, B.Sc. Thesis: "Study of the Really Simple Context Middleware for the Intelligent Colloquium Room Implementation", 2012-13 5. Kostantinos Mavris, B.Sc. Thesis: "Study and Implementation of a Context-Aware Social Movie Recommender System for Android", 2012-13
<p>Name and address of employers</p> <p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>Dept. of Computer Science and Electronic Systems Engineering, University of Essex.</p> <p>October 2005 → July 2008.</p> <p>Special Teaching Staff (STS).</p> <p>STS (Postgraduate Level): Java Software Laboratory (2).</p> <p>STS (Undergraduate Level): Data Structures and Algorithm (Labs – 1), Systems Analysis and Database Design (Labs – 1), Introduction to Programming (2), Computer Security (2), Network Security (2), Professional Development Studies (2).</p>
<p>Research Experience</p> <p>Name and address of employer</p> <p>Dates (4 years)</p> <p>Occupation or position held</p> <p>Funding (4 years)</p> <p>Acronym, name, type, dates and outline of research project</p>	<p>Mobile Devices Laboratory (MDL), Dept. of Electrical and Computer Engineering and Informatics, Frederick University of Cyprus and Frederick Research Center.</p> <p>September 2018 → Now.</p> <p>Various Roles: Coordinator, Principal Investigator, Researcher.</p> <p>€772,274.00 (Department Funding), € 5,623,000.00 (Projects Total Grant).</p> <ol style="list-style-type: none"> 1. BE-Digital (Role: Principal Investigator/Partner): Alliance for Fostering Business and Education Innovation through Digital Supply Chains, Starts May 2022. <ul style="list-style-type: none"> • The concept of Digital Supply Chains (SCs) fosters the use of disruptive technological interventions, such as: (1) Automated Guided Vehicles (AGVs), (2) Internet of Things (IoT), (3) Data Analytics and Big Data (including Blockchain), and (4) Augmented and Virtual Reality (AR/VR). Notably, the European Commission reports that existing jobs are likely to change due to the ICT advancements. The BE-Digital consortium will focus on the development of specialized courses in the four abovementioned thematic areas. 2. AURA-Care (Role: Principal Investigator/Partner): AUGmented and virtual ReAlity enabled communication, training and data streaming in healthcare, Starts May 2022. <ul style="list-style-type: none"> • The AURA project aims to optimize care-provision in modern healthcare by developing an innovation- and User Centered Design-driven product to revolutionize communication among professionals and their older patients and hence, enhance care provision and professional practices. The system will consist of three research-backed up modules: a) An AR communication assistant, b) A 360° simulation module and c) An online personalized data streaming service. 3. UPDEIT (Role: Principal Investigator/Partner): UPDating university curricula on Early InTervention, Starts May 2022. <ul style="list-style-type: none"> • The goal of this project is on early intervention for children with developmental delay, and that is to give these children an equal opportunity in life. Addressing digital transformation through development of digital readiness, resilience and capacity is the most relevant horizontal priority for the project. It supports evidence-based practices and it fosters innovative and creative IT solutions in the area of early childhood development and early intervention. 4. BLISS (Role: Principal Investigator/Partner): Boosting health Literacy for School Students, Starts April 2022. <ul style="list-style-type: none"> • BLISS aims to respond to the 'health need' and the associated need to have the training on how to use digital tools to find, analyse and understand health-related news with an integrated educational and social intervention. These skills are part of 'digital health literacy', as defined by the WHO. 5. National physical fitness assessment program for the secondary school student population CyFit - formerly Aristotelis (Role: ICT Technology Expert), Mar 2022 – Mar 2025. <ul style="list-style-type: none"> • The objective of the "CyFit" project is to evaluate the physical condition (PC) of children of secondary education, similarly to different European countries, with weighted and repeated sets of physical fitness tests (FT), integrate innovation and technology through the analysis, design and development of a web platform that enables the use

of a tool for long-term monitoring and comparison of PC with international data as well as a feedback system for recommendations and advice.

6. **FIT (Role: ICT Leader/Partner): Fairness in Teaching, Jan 2022 → Jun 2024.**
 - The FIT project aims to define a competency framework, a digital assistant platform, the training contents and a community of practice, to trigger a real process of change regarding fairness in teaching among primary and secondary level education so that more diverse range of pupils will equally access to STEM opportunities.
7. **DHeLiDA (Role: ICT Leader/Partner): Digital Health Literacy for Disadvantaged Adults, Feb 2022 → Jan 2024.**
 - Digital health literacy is the ability to search, find, understand and evaluate health information from computerised sources and to apply the knowledge gained to address or solve a health problem. The project will enable citizens to better manage their health and illness, improve prevention, enable more accurate diagnosis and treatment, and facilitate communication with health professionals.
8. **[ASM4Deaf](#) (Role: Principal Investigator): Accessible System and Social Media Mobile Application for Deaf Users, Research Promotion Foundation (RPF), Cyprus, Pre-Seed Project, RESTART 2016-2020, June 2021 → Nov 2022.**
 - Aligned with the results of research studies and the EU Directive the main objective of the proposed project is to develop a cloud-based system and an innovative mobile application that will support the use of multiple sign languages within mainstream social media and networking platforms (e.g. Whats App, FB Messenger, Google Hangouts, Viber etc.). Furthermore, this objective is well aligned to the programme call that supports the creation and initial development of innovative STARTUPS which aim to develop innovative products and services with global market penetration prospects.
9. **[OLMEdu](#) (Role: Coordinator): Open Lab for the up-skilling of higher educational staff in on-line Management Education, Programme: EU Erasmus+, Key Action: Cooperation for innovation and the exchange of good practices, Action Type: Partnerships for Digital Education Readiness, March 2021 → Feb 2023.**
 - OLMedu project aims at the creation of an open lab for the up-skilling of HES staff in online management education. The activities foreseen aim to produce the following outputs: a) The development of training content for the up-skilling of HES in the use of ICT technologies and online training in ME b) The development of learning material for the use of online training and ICT technologies in teaching management c) The development of a Toolbox for developing online simulations in ME d) The development of an online learning repository for HEI educational staff.
10. **[BCT4SMEs](#) (Role: Principal Investigator): High level knowledge awareness of BlockChain Technology applications in SMEs, Programme: EU Erasmus+, Key Action: Cooperation for innovation and the exchange of good practices, Action Type: Strategic Partnerships for vocational education and training, Dec 2020 → Nov 2022.**
 - BCT4SMEs aims at supporting managers utilizing and integrating blockchain technology, and benefit from the advantages that it comes with. In order to achieve its goal, the project will create a personalized environment which will deliver strategies and actions that need to be adopted by learners in order to learn how to effectively use the blockchain technology.
11. **[GUIDed](#) Assisted-Living and Social Interaction Platform (GUIDed), (Role: Principal Investigator), EU AAL 2019, January 2020 → June 2022.**
 - GUIDed users a modular and customizable smart kit, consisting of assisted-living solutions and services to facilitate seniors' daily lives in their own home and the community. The main target areas of the smart kit are smart home- control features, safety enhancement, outdoor navigation, health improvement and socialisation/communication. The end users will be GUIDed with a tablet/smartphone-based Augmented Reality (AR) tutoring service to simplify smart kit use and optimise usability.
12. **[DineTours](#) (Role: Principal Investigator), Research Promotion Foundation (RPF), Cyprus, Exploitation Project, RESTART 2016-2020, September 2020 → February 2021.**
 - The project will get feedback from early adopters to fine-tune and deliver the extensible Dinetours web platform, which is marketable (TRL9) and where each module is provided as a Web Service. It will offer virtual reality tours and booking services for supporting reservations in the hospitality sector, e.g., restaurants, venues. A market research will be performed for gathering, recording and analysing data about customers, clients, competitors and the market. This will be part of the overall feasibility study that aims to reveal if the platform meets certain financial and social goals in the market, to define the right business model and business plan. Finally, focus will be also given to the

- dissemination and exploitation of the platform based on the activities and events defined in the project.
13. [SportsTraveler76](#) (Role: Principal Investigator), Research Promotion Foundation (RPF), Cyprus, Research in Startups, RESTART 2016-2020, March 2019 → August 2020.
 - This project aims to provide innovative services that enable travellers to book and actively participate in “soft sport tourism” activities, which is not currently addressed by other platforms and websites. It aims to be the first worldwide web platform offering adaptive and personalized recommendation services for online booking of full packages by customers based on available context information and preferences.
 14. [Hate Interrupter Teams \(HIT\)](#), (Role: Researcher), EU DG Justice and Consumers - Rights, Equality and Citizenship Programme (REC), October 2018 → September 2020.
 - The project will develop a new model of European youth empowerment to tackle racism, xenophobia and discrimination aimed at migrants. At its heart is the concept of ‘Hate Interrupter Teams’ (HITs) - task groups of young people (14-19) developed through participatory, inclusive arts-based practices, facilitated by youth workers, mentors and guidance practitioners, intervening in hate speech and behaviour towards migrants (HSBM) in their communities, at school and among their peers. MDL is responsible for developing the online preventing tools including a web platform and storytelling smartphone application.
 15. **NETwork for Smart IoT Systems (NET-SMART), (Role: Principal Investigator), Research Promotion Foundation (RPF), ENCOURAGEMENT OF PROJECT COORDINATION IN H2020, Open End (lump sum).**
 - The goal of the NET-SMART project is to submit an EU TWINNING H2020 proposal to strengthen and deepen the research knowledge and potential of the members of the newly established Mobile Devices Laboratory (MDL) of the Frederick Research Center (FRC), by enhancing their research knowledge on the basis of their research interest and activities on mobile computing, smart systems, web and cloud computing, computational intelligence and multi-objective optimization, which will help in a smoother transition and transfer of knowledge on Smart IoT Systems from the leading expert partners participating in the project.
 16. [SLKApps](#): Sign Language Keyboard Android and iOS Applications, Industry: A.G. Connect Deaf Ltd., December 2019 – March 2020.
 - A sign language keyboard application for iOS and Android will be developed for the following sign language alphabets: American, French, Greek, South African, UK, Australian, Brazilian, Chinese, Cypriot, German, Indian, and Russian. The company will provide the icons/letters for the different languages in the required size, positions and formats (i.e., left, right, colour) as requested by the developers, so as to be added to the keyboard. The application will be installed as a keyboard, it will include the above sign language alphabets and will be able to be used in social media applications so as to exchange message using sign language alphabets.
 17. [CloudScanner: An Automated Cloud Deployment and Provisioning Recommendation System](#) (Role: Principal Investigator), Industry: IBSCY Ltd., October 2018 – June 2019.
 - This project is a cloud provider agnostic approach that allows end-users to specify their business requirements in an abstract form and with the help of a cloud applications knowledge database transform them into concrete requirements that are processed and transformed into a cloud deployment solution. The deployment solution plans are generated using Rules-Based Algorithm. The recommendations are generated using the user specifications about their business requirements compared with the experts’ decisions. For more advance Users such as developers and ITs, the “Built your own configuration” was developed, where the deployment plans can be built manually. Finally, the generator algorithm was developed to generate and recommend a deployment solution plan based on the cloud provider price most importantly and also based on the hardware specifications in order to match the software requirements. (student hired & part of MSc thesis).

Name and address of employer

Software Engineering and Internet Technologies (SEIT) Research Lab,
Dept. of Computer Science, University of Cyprus.

Dates

December 2009 → January 2018.

Occupation or position held

Post-Doctoral Researcher.

<p>Acronym, name, type, dates and outline of research project</p>	<ol style="list-style-type: none"> 1. SciChallenge, (Role: Researcher), NEXT GENERATION SCIENCE CHALLENGES USING PARTICIPATORY TECHNIQUES AND DIGITAL MEDIA, EU H2020 Project, September 2015 → January 2018. <ul style="list-style-type: none"> • The SCICHALLENGE project focuses on developing novel concepts to actively integrate young people in science education using a contest-based approach to self-produced digital education materials from young people for young people. The initiative will broadcast and distribute content over various social media channels and aggregated on a modern SCICHALLENGE Web Platform (www.scichallenge.eu) to generate wide reaching awareness and promotion. 2. Prosperity4All, (Role: Lead Researcher), Ecosystem infrastructure for smart and personalised inclusion and PROSPERITY for ALL stakeholders, EU FP7 Project, September 2014 → January 2018. <ul style="list-style-type: none"> • Develops the infrastructure and ecosystem that will allow for a ubiquitous auto-personalization of interfaces and materials, based on user needs and preferences. 3. PaaSage, (Role: Lead Researcher), Model-based Cloud Platform Upperware, EU FP7 Project, November 2013 → August 2016. <ul style="list-style-type: none"> • PaaSage is an EC-funded research project that aims at creating a development and deployment platform together with an appropriate methodology for helping software engineers creating new applications and migrating old applications that can run on multiple Cloud platforms. 4. VALS, (Role: Lead Researcher), Virtual Alliances for Learning Society, Leonardo LLP Project, October 2013 → February 2016. <ul style="list-style-type: none"> • Forge greatly improved links between higher education students and their teachers and on the other hand the businesses where those students will find employment. In this the consortium is representative of a much wider challenge facing European industry in the education of tomorrow's knowledge workers, and their integration in the workplace. 5. SSR-MC, (Role: Lead Researcher), Service and Software Reuse and Mobile Computing, University of Cyprus fund, June 2013 → September 2013. <ul style="list-style-type: none"> • Design and development of a modular, reusable and cross-platform context-reflecting framework that enables pervasive, seamless and user-centric application interaction and communication. 6. CVN, (Role: Lead Researcher), Connected Vitality Network, EU Ambient Assisted Living (AAL) Project, January 2012 → May 2013. <ul style="list-style-type: none"> • Develop 'the second best connection' a video communication network, coined 'The ConnectedVitality Network', enabling immobile senior citizens to organize their social network and choose the activity and select levels of social interaction according to their individual needs, abilities and chosen lifestyle. 7. COIN, (Role: Lead Researcher), COllaboration and INteroperability for networked enterprises, EU FP7 Project, June 2011 → December 2011. <ul style="list-style-type: none"> • The COIN business-pervasive open-source service platform will be able to expose, integrate, compose and mash-up in a secure and adaptive way existing and innovative to-be-developed Enterprise Interoperability and Enterprise Collaboration services. 8. MUSIC, (Role: Lead Researcher), Self-Adapting Applications for Mobile USers In Ubiquitous Computing Environments, EU FP6 Project, December 2009 → June 2010. <ul style="list-style-type: none"> • MUSIC is a project for open platform technology and the development of self-adaptive mobile applications, which includes a methodology, tools and middleware. It is suited for software developers.
<p>Name and address of employer Dates Occupation or position held Acronym, name, type, dates and outline of research project</p>	<p>Information & Security Systems Research Centre, British Telecom (BT), United Kingdom. October 2008 → October 2009. Researcher. MOSE, Model-driven Component-based Systems Engineering, Industry Project, October 2008 → October 2009.</p> <ul style="list-style-type: none"> • Model-driven development for Service Delivery Frameworks.
<p>Honours and Awards Best Paper Award</p>	<p>Christos Mettouris, Alexandros Yeratziotis, Charalampos Theodorou, Evangelia Vanezi, Achilleas Achilleos, George Papadopoulos, Sotiria Moza, Marina Polycarpou, Joanna Starosta-Sztuczka, Karol Pecyna, Terje Grimstad, Strahinja Lazic, "GUIDed: Assisted-Living Smart Platform & Social</p>

Best Paper Award	Communication for Older Adults”, 21st International Conference on Innovations for Community Services, ICS 2021 , May 26 - 28, Bamberg, Germany, 2021. Lukas Smirek, Gottfried Zimmermann, Christos Mettouris, Marios Komodromos, Achilleas Achilleos , George A. Papadopoulos, Daniel Ziegler and Michael Beigl. "Accessible Control of Distributed Devices: Supporting People with disabilities by Providing Adaptive Interaction", In Proceedings of the First International Conference on Universal Accessibility in the Internet of Things and Smart Environments (SMART ACCESSIBILITY 2016), July 24 - 28, Nice, France, 2016.
AAL Projects Success Stories	AAL EU Project – Connected Vitality Network (CVN) – Role: Lead Researcher, AAL Projects Success Stories - 10 AAL innovations creating real impact. 2015.
Professional Exam	Ranked 1 st , Communication and Information Networks, Cyprus Research and Academic Network (CYNET).
Ph.D.,	Scholarship awarded by the Engineering and Physical Sciences Research Council (EPSRC) and British Telecom (BT).
M.Sc.,	Scholarship awarded by the Cyprus State Scholarship Foundation (CSSF).
M.Sc.	Awarded with Distinction, University of Essex.
B.Sc.	Awarded Certificates of Merit for Outstanding Dedication to Studies.
B.Sc.	Awarded Certificate of Student of the Year.

Publications

Journals

1. **Achilleas Achilleos**, Michalis Makrominas, Christos Markides, Rafael Alexandrou, Andreas Konstantinidis, Elena Papacosta, Panos Constantinides, Effie Zikouli and Leondios Tselepos, "Promoting active sports tourism through technology and evaluating its economic impact: experiences from Cyprus", Taylor & Francis, Journal of Sport & Tourism, (2021).
2. Georgia M. Kapitsaki, **Achilleas P. Achilleos**, Philippos Aziz, and Athina C. Paphitou, "SensoMan: Social Management of Context Sensors and Actuators for IoT", Journal of Sensor and Actuator Networks 10, no. 4: 68, 2021, CiteScore: 6.2.
3. Evangelia Vanezi, Thomas Photiadis, Alexandros Yeratziotis, **Achilleas Achilleos**, Christos Mettouris and George A. Papadopoulos, "IDEA: A Software Toolkit for Energy Awareness", Taylor & Francis, Journal of Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, (2022).
4. **Achilleas Achilleos**, Kyriakos Kritikos, Alessandro Rossini, Georgia Kapitsaki, Jörg Domaschka, Michal Orzechowski, Daniel Seybold, Frank Griesinger, Nikolay Nikolov, Daniel Romero, George Papadopoulos, "The Cloud Application Modelling and Execution Language", Journal of Cloud Computing, Springer CLCO, 2019, Impact Factor: 2.959 (accepted).
5. **Achilleas Achilleos**, Christos Mettouris, Alexandros Yeratziotis, George A. Papadopoulos, Sabri Pillana, Florian Huber, Bernhard Jäger, Peter Leitner, Zsófia Ocsóvszky, András Dinnyés, "SciChallenge: A Social Media Aware Platform for Contest-Based STEM Education and Motivation of Young Students", IEEE TRANSACTIONS ON LEARNING TECHNOLOGIES, IEEE TLT, 2018, Impact Factor: 3.324 (accepted)
6. F. J. Garcia Penalvo, David Griffiths, Juan Cruz-Benito, Edwin Veenendaal, **Achilleas Achilleos**, Scott Wilson, Georgia Kapitsaki, "Understanding the barriers to virtual student placements in the Semester of Code", Education in the Knowledge Society, EKS Journal, vol. 17, n. 1, 2016.
7. F. J. Garcia-Penalvo, J. Cruz-Benito, D. Griffiths and **A. Achilleos**, "Virtual Placements Management Process Supported by Technology: Proposal and First Results of the Semester of Code," in IEEE Journal of Latin-American Learning Technologies, vol. 11, no. 1, pp. 47-54, Feb. 2016 (**IEEE-RITA 2016**).
8. **A. Achilleos**, K. Yang, N. Geogalas and M. Azmoodeh, "Context Modelling and a Context-Aware Framework for Pervasive Service Creation: a Model-driven approach", ELSEVIER Special Issue of Pervasive Mobile Computing (PMC) Journal, ISSN 1574-1192, **2010**.
9. S. K. Samanta, **A. Achilleos**, S. R. F. Moiron, J. Woods and M. Ghanbari, "Automatic Language Translation for Mobile SMS", International Journal of Information Communication Technologies and Human Development (IJICTHD), Vol. 2, No. 1, pp. 43-58, **2010**.
10. N. Geogalas, **A. Achilleos**, V. Freskos and D. Economou, "Agile Product Lifecycle Management for Service Delivery Frameworks: History, Architecture and Tools", BT Technology Journal, Vol. 26, No.2, **2009**.

Conferences

1. Kale Strahinja Ladic, **Achilleas Achilleos**, Stefan Parker, Christos Mettouris, Alexandros Yeratziotis, George A. Papadopoulos, Charalampos Theodorou and Karol Pecyna, "GUIDed: An Augmented Reality Assisted-Living and Social Interaction Platform for Older Adults", **ICT for Health, Accessibility and Wellbeing (IC-IHAW 2021)**, Springer CCIS Proceedings, (2021).

2. **Achilleas Achilleos**, Andreas Konstantinidis, Rafael Alexandrou, Christos Markides, Effie Zikouli, George Papadopoulos, "A Web Platform and a Context Aware Recommender System for Active Sport Events", *21st International Conference on Innovations for Community Services, I4CS 2021, May 26 - 28, Bamberg, Germany, 2021*.
3. Christos Mettouris, Alexandros Yeratziotis, Charalampos Theodorou, Evangelia Vanezi, **Achilleas Achilleos**, George Papadopoulos, Sotiria Moza, Marina Polycarpou, Joanna Starosta-Sztuczka, Karol Pecyna, Terje Grimstad, Strahinja Lazic, "GUIDed: Assisted-Living Smart Platform & Social Communication for Older Adults", **BEST PAPER AWARD, 21st International Conference on Innovations for Community Services, I4CS 2021, May 26 - 28, Bamberg, Germany, 2021**.
4. **Achilleos, A.**, Hellman, R. and Sturmair, D., "A handful understandable pieces of advice for clean app interface design in lifestyle services by one button click", 5th international conference on Universal Design, UD2021, June 9 – 11 2021 at Aalto University, Espoo, Finland. Poster Sessions.
5. **Achilleas Achilleos**, Christos Markides, Michalis Makrominas, Andreas Konstantinides, Rafael Alexandrou, Effie Zikouli, Elena Papacosta, Panos Constantinides and Leondios Tselepos, "Evaluating the Economic Impact of Active Sports Tourism Events: Lessons Learned from Cyprus", *7th International Conference of the International Association of Cultural and Digital Tourism (IACuDiT 2020), Springer Proceedings, Culture and Tourism in a Smart, Globalized and Sustainable World, Hydra, 2-4 September*.
6. Georgia Kapitsaki, Alexia Dini Kounoudes and **Achilleas Achilleos**, "An overview of user privacy preferences modeling and adoption", *IEEE Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2020), track ES-IoT: Embedded Systems and the Internet of Things, 2020*.
7. **Achilleas Achilleos**, Christos Markides, Andreas Konstantinidis, Ioannis Giorkas, Georgia M. Kapitsaki, Christos Mettouris, George A. Papadopoulos, "Adopting an Open Smart City Platform: A Survey", *IEEE International Smart Cities Conference (ISC2 2019), Track: ICT Technologies and Platforms for Smart Cities IEEE, 2019 (accepted)*.
8. Christos Mettouris, **Achilleas Achilleos**, Georgia Kapitsaki and George Papadopoulos, "A Model Driven Development Framework for Recommender Systems in Ubiquitous Environments for Commerce", *European Conference on Ambient Intelligence (Aml 2018), Towards a Smart and Human Centered Internet of Things, Springer, 2018 (accepted)*.
9. **Achilleas Achilleos**, Kyriaki Georgiou, Christos Markides, Andreas Constantinides and George Papadopoulos, "Adaptive Runtime Middleware: Everything as a Service", *9th International Conference on Computational Collective Intelligence, (ICCI 2017), Springer*.
10. Savvas Pericleous, Andreas Konstantinidis, **Achilleas Achilleos** and George Papadopoulos, "Generic Hybridization of MOEA/D with Learning for Permutation Flow Shop Scheduling Problem", *IEEE Proceedings of the 8th International Conference on Information, Intelligence, Systems Applications (IISA 2017)*.
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<p>Professional Service Editorial Board or Chair</p>	<ul style="list-style-type: none"> • ICT for Health, Accessibility and Wellbeing (IC-IHAW 2021 – Scientific Chair). • The 34th ACM/SIGAPP Symposium On Applied Computing (SAC 2019 – Posters Co-Chair) • 10th IEEE International Conference on Cloud Computing Technology and Science (CloudCom 2018 – Publicity Chair, PhD Consortium Chair). • 8th International Conference on Information, Intelligence, Systems Applications (IISA 2017 – IoT Session Chair) • 9th International Conference on Computational Collective Intelligence, (ICCI 2017 – Special Sessions Chair) • 5th International Conference on Web Intelligence, Mining and Semantics (WIMS 2015 – Program Chair).
<p>TPC Member</p>	<ul style="list-style-type: none"> • International Conference on INnovations in Intelligent Systems and Applications (INISTA 2020) • International Workshop on the Advancements in Model Driven Engineering (AMDE 2020) • 8th International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2020). • 7th International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2019). • 6th International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2018). • 8th International Conference on Web Intelligence, Mining and Semantics (WIMS 2018 – Program Committee Member). • 7th ACM International Conference on Web Intelligence, Mining and Semantics (WIMS 2017). • 6th International Conference on Web Intelligence, Mining and Semantics (WIMS 2016). • 9th European Conference on Technology Enhanced Learning (EC-TEL 2014). • 11th International Conference on Mobile Web Information Systems (MobiWIS 2014). • 8th European Conference on Technology Enhanced Learning (EC-TEL 2013). • IADIS International Conference on Internet Technologies & Society (ITS 2012). • IEEE European Conference on Web Services (ECOWS 2011, 2010). • IEEE Workshop on Mobile Computing and Networking Technologies (WMCNT 2009).
<p>Reviewer</p>	<p>Journals</p> <ul style="list-style-type: none"> • IEEE Transactions on Computational Social Systems (TCSS). • IEEE Transactions on Software Engineering (TSE). • Elsevier Journal of Future Generation Computer Systems (FGCS). • Elsevier Journal of Pervasive and Mobile Computing (PMC).

- Springer Journal of Personal and Ubiquitous Computing (PUC).
- Elsevier Journal of Systems and Software (JSS).
- Elsevier Journal of Science of Computer Programming (SCICO).
- International Journal of Human-Computer Studies (IJHCS).
- Wiley Journal of Software: Practice and Experience (SPE).
- International Journal for Computers and Their Applications (IJCA).

Conferences

- The ACM Recommender Systems conference (RecSys 2020).
- 27th Annual International eTourism Conference (ENTER 2020).
- The Fourth International Conference on Fog and Mobile Edge Computing (FMEEC 2019).
- 8th Computer Science Education Research Conference (CSERC 2019).
- 6th Conference on the Engineering of Computer Based Systems (ECBS 2019).
- 10th IEEE International Conference on Cloud Computing Technology and Science (CloudCom 2018).
- European Conference on Ambient Intelligence (Aml 2018).
- 44th International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM 2018).
- 8th International Conference on Web Intelligence, Mining and Semantics (WIMS 2018).
- IEEE/ACM International Conference on Utility and Cloud Computing (UCC 2017).
- 5th European Conference on the Engineering of Computer Based Systems (ECBS 2017).
- 10th International Conference on Informatics in Schools (ISSEP 2017).
- 7th International Conference on Web Intelligence, Mining and Semantics (WIMS 2017).
- IEEE Conference on Dependable and Secure Computing (DSC2017).
- 15th International Conference on Software Reuse (ICSR 2016).
- 4th International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2016).
- 6th International Conference on Web Intelligence, Mining and Semantics (WIMS 2016).
- Fourth European Conference on Service-Oriented and Cloud Computing (ESOCC 2015).
- 5th International Conference on Web Intelligence, Mining and Semantics (WIMS 2015).
- 15th Conference on Web Information System Engineering (WISE 2014).
- 4th International Conference on Model & Data Engineering (MEDI 2014).
- 14th IFIP Conference on Distributed Applications and Interoperable Systems (DAIS 2014).
- 10th IEEE International Conference on Services Computing (SCC 2013).
- 2nd European Conference on Service-Oriented and Cloud Computing (ESOCC 2013, 2012).
- 20th IEEE International Conference on Web Services (ICWS 2013, 2012).
- 13th International Conference on Software Reuse, Springer LCNS (ICSR 2013).
- 8th European Conference on Technology Enhanced Learning (EC-TEL 2013).
- 3rd International Conference on Information Technology & e-Services (ICITES' 2013).
- 13th Conference on Web Information System Engineering (WISE 2012).
- IEEE Cyber-enabled Distributed Computing and Knowledge Discovery (CyberC 2012).
- 5th European Conference on Software Architecture (ECSA 2011, 2010).
- 14th IEEE International Enterprise Computing Conference (EDOC 2010).
- IEEE Wireless Communications and Mobile Computing Conference (IWCMC 2009).
- Handbook of Research on P2P and Grid Systems for Service-Oriented Computing: Models, Methodologies and Applications (IGI GLOBAL) .
- IEEE Workshop on Mobile Computing and Networking Technologies (MCNT 2009).
- 6th ACM Conference on Advances in Mobile Computing & Multimedia (MoMM 2008).
- 5th ACM International Conference on Pervasive Services (ICPS 2008).

Professional Memberships

Institution

IEEE and IEEE Computer Society.
Cyprus Scientific and Technical Chamber.

Additional information

Research Interests

Web Engineering, Pervasive Computing, Service-Oriented and Cloud Computing, Model-Driven Engineering.

Technical Skills

Modelling: Model Driven Architecture (MDA) standards, UML, Eclipse Modelling Tools.
Programming: Java, Android, OSGi, HTML5, J2EE, J2ME, C#, C, Windows Mobile, MySQL.
Website Development: Joomla CMS, Microsoft Expression Web, HTML, Javascript, CSS.

Voluntary Work

Cyprus Association of Cancer Patients and Friends (PASYKAF).

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