

## Γενικά στοιχεία

**Όνοματεπώνυμο:** Αναστάσιος Ζαφειρόπουλος  
Ηλεκτρολόγος Μηχανικός και Μηχανικός Υπολογιστών Ε.Μ.Π.  
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## Επαγγελματική Εμπειρία

### **(11/2019 – Τρέχουσα) – Μεταδιδακτορικός ερευνητής – Σχολή Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών ΕΜΠ**

Ερευνητικός συνεργάτης στο εργαστήριο Διαχείρισης και Βέλτιστου Σχεδιασμού Δικτύων Τηλεματικής και στην ερευνητική ομάδα Επικοινωνιών Πολυμέσων και Τεχνολογιών Παγκόσμιου Ιστού. Διενέργεια μεταδιδακτορικής έρευνας σε τομείς δικτύων νέας γενιάς (5G), τεχνολογιών διαχείρισης δικτύων (συμπεριλαμβανομένου SDN/NFV τεχνολογιών), μηχανισμών έξυπνης ενορχήστρωσης δικτυακών εφαρμογών (5G netapps), μηχανισμών μηχανικής μάθησης και τεχνολογιών Διαδικτύου των Πραγμάτων (Internet of Things - IoT). Συμμετοχή σε εθνικά και ευρωπαϊκά ερευνητικά έργα.

### **(10/2013 – 04/2020) – Μηχανικός δικτύων – Υπεύθυνος ερευνητικής ομάδας για τεχνολογίες 5G και IoT – UBITECH Ltd**

Υπεύθυνος για τον σχεδιασμό και την υλοποίηση καινοτόμων τεχνικών λύσεων σχετικά με τεχνολογίες που αφορούν 5G δίκτυα, έξυπνους μηχανισμούς ενορχήστρωσης δικτυακών υπηρεσιών και εφαρμογών πάνω από προγραμματιζόμενη υποδομή (network services orchestration, network slicing, Software Defined Networking, Network Function Virtualization technologies), διαχείρισης και ανάλυσης δεδομένων (data management, semantic web, big data analytics, geospatial data analytics), μηχανισμών ασφαλούς παροχής εφαρμογών και ενεργειακά αποδοτικών λύσεων με χρήση εργαλείων πληροφορικής. Διαχείριση σειράς ευρωπαϊκών έργων στο πλαίσιο των ερευνητικών προγραμμάτων FP7 και Horizon2020.

### **(07/2014 – 10/2013) – Μηχανικός δικτύων, Διαχείριση έργων – Εθνικό Δίκτυο Έρευνας και Τεχνολογίας**

Υπεύθυνος για τον σχεδιασμό και την υλοποίηση καινοτόμων τεχνικών λύσεων σχετικά με τεχνολογίες που αφορούν δίκτυα νέας γενιάς, καθώς και συμμετοχή σε ομάδες σχεδιασμού και υλοποίησης των δικτυακών και υπολογιστικών υποδομών νέας γενιάς της ΕΔΕΤ (συμπεριλαμβανομένου διαδικασιών σχεδιασμού, προκήρυξης, συμβασιοποίησης και εκτέλεσης των έργων). Υπεύθυνος σχεδιασμού και υλοποίησης ενεργειακά αποδοτικών πολιτικών και δράσεων της ΕΔΕΤ (π.χ. ενεργειακά αποδοτικό κέντρο δεδομένων της ΕΔΕΤ). Συγγραφή σειράς δημοσιεύσεων σε διεθνή περιοδικά, συνέδρια και κεφάλαια βιβλίων.

## Εκπαίδευση και Κατάρτιση

### **(09/1999 – 07/2004) – Διπλωματούχος Σχολής Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών – Εθνικό Μετσόβιο Πολυτεχνείο**

Τομέας: Επικοινωνιών, Ηλεκτρονικής και Συστημάτων Πληροφορικής  
Διπλωματική εργασία: Μελέτη Μηχανισμών Ελέγχου Αποδοχής Ροών βασισμένων σε μετρήσεις -

(<http://artemis.cslab.ntua.gr/Dienst/UI/1.0/Display/artemis.ntua.ece/DT2004-0108>)

### **(10/2004 – 02/2011) – Διδακτορικό σε Δίκτυα Επικοινωνιών – Εθνικό Μετσόβιο Πολυτεχνείο**

Ερευνητική ομάδα Επικοινωνιών Πολυμέσων και Τεχνολογιών Παγκόσμιου Ιστού  
(<http://mcwt.cn.ntua.gr/el>)

<p>Τίτλος Διατριβής: Παροχή προηγμένων υπηρεσιών με επίγνωση περιβάλλοντος σε δυναμικά ετερογενή δίκτυα (<a href="http://phdtheses.ekt.gr/eadd/handle/10442/24430">http://phdtheses.ekt.gr/eadd/handle/10442/24430</a>)</p>
<p><b>(10/2010 – 07/2012) – Μεταπτυχιακό Δίπλωμα στη Δημόσια Πολιτική και Διοίκηση – Οικονομικό Πανεπιστήμιο Αθηνών</b></p> <p>Διπλωματική εργασία: Παίκτες αρνησικυρίας και διαφθορά στην ΕΕ, (δημοσίευση στο 6th Biennial Hellenic Observatory PhD Symposium on Contemporary Greece and Cyprus, London School of Economics)</p>
<p><b>Μητρική γλώσσα:</b> Ελληνικά</p> <p><b>Άλλες γλώσσες:</b></p> <ul style="list-style-type: none"> <li>- Αγγλικά (C2)</li> <li>- Γαλλικά (B2)</li> <li>- Ισπανικά (B2)</li> </ul>

### Δημοσιεύσεις

<p><b>Διεθνή Περιοδικά</b></p> <p><b>J19:</b> Antonio Puliafito, Giuseppe Tricomi, Anastasios Zafeiropoulos, Symeon Papavassiliou, Smart Cities of the Future as Cyber Physical Systems: Challenges and Enabling Technologies, Sensors 21, no. 10: 3349.</p> <p><b>J18:</b> Eleni Fotopoulou, Anastasios Zafeiropoulos, Symeon Papavassiliou, EmoSocio: An open access sociometry-enriched Emotional Intelligence model, Current Research in Behavioral Sciences, Volume 2, 2021, 100015, ISSN 2666-5182.</p> <p><b>J17:</b> Panagiotis Trakadas, Panagiotis Karkazis, Helen C Leligou, Theodore Zahariadis, Felipe Vicens, Arturo Zurita, Pol Alemany, Thomas Soenen, Carlos Parada, Jose Bonnet, Eleni Fotopoulou, Anastasios Zafeiropoulos, Evgenia Kapassa, Marios Touloupou, Dimosthenis Kyriazis, "Comparison of Management and Orchestration Solutions for the 5G Era", Journal of Sensor and Actuator Networks, 2020.</p> <p><b>J16:</b> Roberto Bruschi, Raffaele Bolla, Franco Davoli, Anastasios Zafeiropoulos, Panagiotis Gouvas, "Mobile Edge Vertical Computing over 5G Network Sliced Infrastructures: an Insight into Integration Approaches", IEEE Communications Magazine, Pisacaway, MA, USA, 2019.</p> <p><b>J15:</b> A. M. Zarca et al., "Security Management Architecture for NFV/SDN-aware IoT Systems," in IEEE Internet of Things Journal. doi: 10.1109/JIOT.2019.2904123 (2019)</p> <p><b>J14:</b> Fotopoulou, E.; Zafeiropoulos, A.; Alegre, A. Improving Social Cohesion in Educational Environments Based on A Sociometric-Oriented Emotional Intervention Approach. Educ. Sci. 2019, 9, 24. (2019)</p> <p><b>J13:</b> Alessandro Carrega, Matteo Repetto, Panagiotis Gouvas, Anastasios Zafeiropoulos: A Middleware for Mobile Edge Computing. IEEE Cloud Computing 4(4): 26-37 (2017)</p> <p><b>J12:</b> Spiros Mouzakis, Dimitris Papaspyros, Michael Petychakis, Sotiris Koussouris, Anastasios Zafeiropoulos, Eleni Fotopoulou, Lena Farid, Fabrizio Orlandi, Judie Attard, John E. Psarras: Challenges and opportunities in renovating public sector information by enabling linked data and analytics. Information Systems Frontiers 19(2): 321-336 (2017)</p> <p><b>J11:</b> Eleni Fotopoulou, Anastasios Zafeiropoulos, Fernando Terroso-Saenz, Umutcan Simsek, Aurora González-Vidal, George Tsiolis, Panagiotis Gouvas, Paris Liapis, Anna Fensel, Antonio F. Skarmeta: Providing Personalized Energy Management and Awareness Services for Energy Efficiency in Smart Buildings. Sensors 17(9): 2054 (2017)</p> <p><b>J10:</b> Eleni Fotopoulou, Anastasios Zafeiropoulos, Dimitris Papaspyros, Panagiotis Hasapis, George Tsiolis, Thanassis Bouras, Spiros Mouzakis, Norma Zanetti: Linked Data Analytics in Interdisciplinary Studies: The Health Impact of Air Pollution in Urban Areas. IEEE Access 4: 149-164 (2016)</p>
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**J09:** Kostas Koumoutsos, Aristotelis Kretsis, Panagiotis Kokkinos, Emmanouel A. Varvarigos, Vassilis Nikolopoulos, Eirini Gkioxi, Anastasios Zafeiropoulos. Gathering and processing energy consumption data from public educational buildings over IPv6. *Energy, Sustainability and Society*, 5: 24 (2015)

**J08:** Raffaele Bolla, Roberto Bruschi, Alessandro Carrega, Franco Davoli, Diego Suino, Constantinos Vassilakis, Anastasios Zafeiropoulos: Cutting the energy bills of Internet Service Providers and telecoms through power management: An impact analysis. *Computer Networks* 56(10): 2320-2342 (2012)

**J07:** Michal Wódczak, Tayeb Ben Meriem, Benoit Radier, Ranganai Chaparadza, Kevin Quinn, Jesse Kielthy, Brian A. Lee, Laurent Ciavaglia, Kostas Tsagkaris, Szymon Szott, Anastasios Zafeiropoulos, Athanassios Liakopoulos, Apostolos Kousaridas, Maurice Duault: Standardizing a reference model and autonomic network architectures for the self-managing future internet. *IEEE Network* 25(6): 50-56 (2011)

**J06:** Panagiotis Gouvas, Anastasios Zafeiropoulos, Athanassios Liakopoulos, Gregoris Mentzas, Nikolas Mitrou: Integrating Overlay Protocols for Providing Autonomic Services in Mobile Ad-Hoc Networks. *IEICE Transactions* 93-B(8): 2022-2034 (2010)

**J05:** Anastasios Zafeiropoulos, Ioannis V. Papaioannou, Emmanuel Solidakis, Nikolaos Konstantinou, Panagiotis Stathopoulos, Nikolas Mitrou: Exploiting Bluetooth for deploying indoor LBS over a localisation infrastructure independent architecture. *International Journal of Computer Aided Engineering and Technology (IJCAET)* 2(2/3): 145-163 (2010)

**J04:** Nikolaos Konstantinou, Emmanuel Solidakis, Anastasios Zafeiropoulos, Panagiotis Stathopoulos, Nikolas Mitrou: A context-aware middleware for real-time semantic enrichment of distributed multimedia metadata. *Multimedia Tools and Applications* 46(2-3): 425-461 (2010)

**J03:** Anastasios Zafeiropoulos, Panagiotis Gouvas, Athanassios Liakopoulos, Gregoris Mentzas, Nikolas Mitrou: NEURON: Enabling Autonomicity in Wireless Sensor Networks. *Sensors* 10(5): 5233-5262 (2010)

**J02:** Stamatis Arkoulis, Dimitrios Spanos, Sokratis Barbounakis, Anastasios Zafeiropoulos, Nikolas Mitrou: Cognitive radio-aided wireless sensor networks for emergency response. *Measurement Science and Technology* 21(12) (2010)

**J01:** Lederer, Carsten & Basak, A. Nazli & Aydinok, Yesim & Christou, Soteroula & El-Beshlawy, Amal & Eleftheriou, Androulla & Fattoum, Slaheddine & Felice, Alex & Fibach, Eitan & Galanello, Renzo & Gambari, Roberto & Gavril, Lucian & Giordano, Piero & Grosveld, Frank & Hassapopoulou, Helen & Hladka, Eva & Kanavakis, Emmanuel & Locatelli, Franco & Old, John & Kleanthous, Marina: An Electronic Infrastructure for Research and Treatment of the Thalasseмииs and Other Hemoglobinopathies: The Euro-Mediterranean Ithant Project. *Hemoglobin*. 33. 163-176. 10.1080/03630260903089177 (2009).

#### **Κεφάλαια Βιβλίων**

**BC05:** Fotopoulou Eleni, Zafeiropoulos Anastasios, Muro Guiu Isaac, Feidakis Michalis, Daradoumis Thanassis, Papavassiliou Symeon, "Assessing students' social and emotional competencies through graph analysis of emotionally-enriched sociograms," in *Intelligent Systems and Learning Data Analytics in Online Education*, 1st Edition, S. Caballé et al., Academic Press (in press) (2021)

**BC04:** Panagiotis Gouvas, Eleni Fotopoulou, Spyros Mouzakis, Anastasios Zafeiropoulos: *The Success of European Projects using New Information and Communication Technologies, Information Driven Cyber Security Management through LinDA*, Published by SCITEPRESS, ISBN: 978-989-758-176-2 (2016)

**BC03:** Davide Adami, Alexey Chepstov, Franco Davoli, Matteo Lanati, Ioannis Liabotis, Stefano Vignola, Sandro Zappatore, Anastasios Zafeiropoulos. Network Performance Monitoring for Remote Instrumentation Services: The DORII Platform Test Case. Remote Instrumentation for eScience and Related Aspects, DOI 10.1007/978-1-4614-0508-5 19, Springer Science+Business Media (2012)

**BC02:** Anastasios Zafeiropoulos, Dimitrios-Emmanuel Spanos, Stamatis Arkoulis, Nikolaos Konstantinou, Nikolas Mitrou. Data Management in Sensor Networks Using Semantic Web Technologies. Data Management in the Semantic Web. 253-276, ISBN: 978-1-61122-862-5 (2011)

**BC01:** Anastasios Zafeiropoulos, Athanassios Liakopoulos. Context Awareness in Autonomic Heterogeneous Environments, Remote Instrumentation Services on the e-Infrastructure. Springer, Boston, MA, Online ISBN 978-1-4419-5574-6 (2011)

#### **Διεθνή Συνέδρια/Workshops**

**C50:** Raffaele Bolla, Franco Davoli, Chiara Lombardo, Roberto Bruschi, Zied Ghrairi, Jane Frances Pajo, Kay Burow, Panagiotis Gouvas, Anastasios Zafeiropoulos, "From Cloud-Native to 5G-Ready Vertical Applications: An Industry 4.0 Use Case", 22nd IEEE International Conference on High Performance Switching and Routing (HPSR), June 7 – 9, Paris, France, 2021.

**C49:** Eleni Fotopoulou, Anastasios Zafeiropoulos, Michalis Feidakis, Dimitrios Metafas, Symeon Papavassiliou, "An Interactive Recommender System based on Reinforcement Learning for Improving Emotional Competences in Educational Groups", 16th International Conference on Intelligent Tutoring System, Artificial Intelligence and Beyond, 2020.

**C48:** Anastasios Zafeiropoulos, Eleni Fotopoulou, Manuel Peuster, Stefan Schneider, Panagiotis Gouvas, Daniel Behnke, Marcel Müller, Peter Bök, Panagiotis Trakadas, Panagiotis Karkazis, Holger Karl. Benchmarking and Profiling 5G Verticals' Applications: An Industrial IoT Use Case. In: IEEE Conference on Network Softwarization (NetSoft), 2020.

**C47:** Ilias Tsoumas, Chrysostomos Symvoulidis, Dimosthenis Kyriazis, Panagiotis Gouvas, Anastasios Zafeiropoulos, Javier Melian Fernandez, Janez Sterle, "Modelling 5G Cloud-Native Applications by Exploiting the Service Mesh Paradigm". In: Themistocleous M., Papadaki M. (eds) Information Systems. EMCIS 2019. Lecture Notes in Business Information Processing, vol 381. Springer, Cham

**C46:** Thomas Soenen, Felipe Vicens, José Bonnet, Carlos Parada, Evgenia Kapassa, Marios Touloupou, Eleni Fotopoulou, Anastasios Zafeiropoulos, Ana Pol, Stavros Kolometsos, George Xilouris, Pol Alemany, Ricard Vilalta, Panos Trakadas, Panos Karkazis, Manuel Peuster, Wouter Tavernier: SLA-controlled Proxy Service Through Customisable MANO Supporting Operator Policies. IM 2019: 707-708

**C45:** I. Mesogiti, E. Theodoropoulou, G. Lyberopoulos, Fotini Setaki, A. Ramos, P. Gouvas, A. Zafeiropoulos, R. Bruschi, A Framework to Support the Role of Telecommunication Service Providers in Evolving 5G Business Models, AIAI 2019 IFIP WG 12.5 International Workshops: MHDW and 5G-PINE 2019, Hersonissos, Crete, Greece (2019)

**C44:** Bogdan Rusti et al. 5G Smart City Vertical Slice, IEEE/IFIP International Workshop on Hot Topics in Network and Service Management: 5G and Sliced Networks, Distributed Things and Blockchains, Apr. 2019, Washington, D.C., USA (2019)

**C43:** George Xilouris, Stavros Kolometsos, Carlos Parada, Jose Bonnet, Panagiotis Stavrianos, Evgenia Kapassa, Marios Touloupou, Dimosthenis Kyriazis, Panagiotis Gouvas, Eleni Fotopoulou, Anastasios Zafeiropoulos, Felipe Vicens, Josep Martrat, Paul Alemany, Raul Muñoz, "Towards Autonomic Policy-based Network Service Deployment with SLA and Monitoring", in Proceedings of IEEE Conference on Network Function Virtualization and Software Defined Networks, 27-29 November 2018, Verona (Italy) (Demo paper) (2018)

- C42:** Alessandro Carrega, Matteo Repetto, Fulvio Rizzo, Stefan Covaci, Anastasios Zafeiropoulos, T. Giannetsos, O. Toscano: Situational Awareness in Virtual Networks: The ASTRID Approach. CloudNet 2018: 1-6 (2018)
- C41:** Martha Perdikaki, Andreas Kallioras, Klio Monokrousou, Christoforos Christoforidis, Dimitris Iossifidis, Eri Bizani, Anastasios Zafeiropoulos, Klisthenis Dimitriadis, Klaasjan Raat, Gerard van den Berg, Christos Makropoulos: Integrated Subsurface Water Solutions for Coastal Wetland Restoration through Integrated Pump & Treat and Aquifer Storage and Recovery (ASR), 3rd EWaS International Conference on “Insights on the Water-Energy-Food Nexus”, Lefkada Island, Greece | 27–30 June 2018 (2018)
- C40:** Lam Dinh-Xuan, Michael Seufert, Florian Wamser, Phuoc Tran-Gia, Constantinos Vassilakis, Anastasios Zafeiropoulos: Performance Evaluation of Service Functions Chain Placement Algorithms in Edge Cloud, 30th International Teletraffic Congress (2018)
- C39:** Anastasios Zafeiropoulos, Panagiotis Gouvas, Eleni Fotopoulou, George Tsiolis, Thanos Xirofotos, Jose Bonnet, Gino Carozzo, Stamatia Rizou, Anastasios Gavras, Maria Barros, Xavier Costa-Perez, Athul Prasad, Marco Gramaglia, Anna Tzanakaki, Dimitra Simeonidou, John Cosmas, Mikael Fallgren, Raul Muñoz, Ricard Vilalta: Enabling Vertical Industries Adoption of 5G Technologies: a Cartography of Evolving Solutions, EUCNC 2018 (2018)
- C38:** Carlos Parada, Jose Bonnet, Eleni Fotopoulou, Anastasios Zafeiropoulos, Evgenia Kapassa, Marios Touloupou, Dimosthenis Kyriazis, Ricard Vilalta, Raul Muñoz, Ramon Casellas, Ricardo Martinez, George K Xilouris: 5GTANGO: A Beyond-MANO Service Platform, EUCNC 2018 (2018)
- C37:** Panagiotis Gouvas, Anastasios Zafeiropoulos, Eleni Fotopoulou, George Tsiolis, Thanos Xirofotos: Separation of Concerns Among Application and Network Services Orchestration in a 5G Ecosystem, EUCNC 2018, Workshop From cloud ready to cloud native transformation: What it means and Why it matters (2018)
- C36:** Anastasios Zafeiropoulos, Eleni Fotopoulou, Aurora González-Vidal, Antonio F. Skarmeta: Detaching the design, development and execution of big data analysis processes: A case study based on energy and behavioral analytics, Global IoT Summit 2018 (2018)
- C35:** Eleni Fotopoulou, Anastasios Zafeiropoulos, Fernando Terroso-Saenz, Aurora González-Vidal, Antonio F. Skarmeta, Umutcan Simsek, Anna Fensel: Data aggregation, fusion and recommendations for strengthening citizens energy-aware behavioural profiles. Global IoT Summit 2017: 1-6 (2017)
- C34:** Panagiotis Gouvas, Anastasios Zafeiropoulos, Constantinos Vassilakis, Eleni Fotopoulou, George Tsiolis, Roberto Bruschi, Raffaele Bolla, Franco Davoli: Design, Development and Orchestration of 5G-Ready Applications over Sliced Programmable Infrastructure. 29th International Teletraffic Congress (ITC 29), Genoa, 2017, pp. 13-18 (2017)
- C33:** Tran Quang Thanh; Stefan Covaci; Thomas Magedanz; Panagiotis Gouvas; Anastasios Zafeiropoulos: Embedding security and privacy into the development and operation of cloud applications and services. 17th International Telecommunications Network Strategy and Planning Symposium (Networks), Montreal, QC, 2016, pp. 31-36 (2016)
- C32:** Giuliano Casale, Cristina Chesta, Peter Deussen, Elisabetta Di Nitto, Panagiotis Gouvas, Sotiris Koussouris, Vlado Stankovski, Andreas Symeonidis, Vlassis Vlassiou, Anastasios Zafeiropoulos, Zhiming Zhao: Current and Future Challenges of Software Engineering for Services and Applications. Cloud Forward 2016, Current and Future Challenges of Software Engineering for Services and Applications, Procedia Computer Science, Volume 97, Pages 34-42, ISSN 1877-0509 (2016)
- C31:** Panagiotis Gouvas, Eleni Fotopoulou, Anastasios Zafeiropoulos, Constantinos Vassilakis: A Context Model and Policies Management Framework for Reconfigurable-by-design Distributed

Applications. Cloud Forward 2016, Procedia Computer Science, Volume 97, Pages 122-125, ISSN 1877-0509 (2016)

**C30:** Umutcan Simsek, Anna Fensel, Anastasios Zafeiropoulos, Eleni Fotopoulou, Paris Liapis, Thanassis Bouras, Fernando Terroso-Saenz, Antonio F. Skarmeta-Gómez: A semantic approach towards implementing energy efficient lifestyles through behavioural change. In Proceedings of the 12th International Conference on Semantic Systems (SEMANTiCS 2016), 173-176 (2016)

**C29:** Panagiotis Gouvas, Constantinos Vassilakis, Eleni Fotopoulou, Anastasios Zafeiropoulos: A Novel Reconfigurable-by-Design Highly Distributed Applications Development Paradigm over Programmable Infrastructure. 28th International Teletraffic Congress (ITC 28), Würzburg, Germany, 2016, pp. 7-12 (2016)

**C28:** Eleni Fotopoulou, Panagiotis Hasapis, Anastasios Zafeiropoulos, Dimitris Papaspyros, Spiros Mouzakitis, Norma Zanetti: Exploiting Linked Data Towards the Production of Added-Value Business Analytics and Vice-versa. In Proceedings of 4th International Conference on Data Management Technologies and Applications (DATA 2015), 69-80 (2015)

**C27:** Barbara Kapourani, Eleni Fotopoulou, Anastasios Zafeiropoulos, Dimitris Papaspyros, Spiros Mouzakitis, Sotirios Koussouris: Linked Data Analytics for Business Intelligence SMEs: A Pilot Case in the Pharmaceutical Sector. SEMANTiCS (Posters & Demos) 2015: 47-50 (2015)

**C26:** Barbara Kapourani, Eleni Fotopoulou, Dimitris Papaspyros, Anastasios Zafeiropoulos, Spiros Mouzakitis, Sotirios Koussouris: Propelling SMEs Business Intelligence Through Linked Data Production and Consumption. On the Move to Meaningful Internet Systems: OTM 2015 Workshops. Lecture Notes in Computer Science, vol 9416. Springer, 107-116 (2015)

**C25:** Aggelos Liapis, Julia Kantorovitch, Julian Malins, Anastasios Zafeiropoulos, Mieke Haesen, Marisela Gutierrez Lopez, Mathias Funk, Jesus Alcantara, John-Paul Moore, Fiona Maciver: COncEPT - Developing Intelligent Information Systems to Support Collaborative Working Across Design Teams. 9th International Conference on Software Engineering and Applications (ICSOFT-EA), Vienna, Austria, 2014, pp. 170-175 (2014)

**C24:** Panagiotis Gouvas, Anastasios Zafeiropoulos, Konstantinos Perakis, Thanassis Bouras: An Innovative Approach for the Protection of Healthcare Information Through the End-to-End Pseudo-Anonymization of End-Users. Internet of Things. User-Centric IoT. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 150. Springer, 210-216 (2014)

**C23:** Julia Kantorovitch, Ilkka Niskanen, Anastasios Zafeiropoulos, Aggelos Liapis, Jose Miguel Garrido Gonzalez, Alexandros Didaskalou, Enrico Motta: Knowledge Extraction and Annotation Tools to Support Creativity at the Initial Stage of Product Design: Requirements and Assessment. Knowledge, Information and Creativity Support Systems. Advances in Intelligent Systems and Computing, vol 416. Springer, 145-159 (2014)

**C22:** Panagiotis Gouvas, Anastasios Zafeiropoulos: A novel development paradigm for deploying applications over programmable infrastructure. 26th International Teletraffic Congress (ITC), Karlskrona, 2014, pp. 1-6 (2014)

**C21:** Panagiotis Hasapis, Eleni Fotopoulou, Anastasios Zafeiropoulos, Spiros Mouzakitis, Sotiris Koussouris, Michael Petychakis, Barbara Kapourani, Norma Zanetti, Francesco Molinari, Salvatore Virtuoso, Cinzia Rubattino: Business value creation from Linked Data analytics: The LinDA approach. eChallenges e-2014 Conference Proceedings, Belfast, 2014, pp. 1-10 (2014)

**C20:** Paris Charalampou, Anastasios Zafeiropoulos, Constantinos Vassilakis, Chrysostomos Tziouvaras, Vasiliki Giannikopoulou, Nikolaos Laoutaris: Empirical evaluation of energy saving margins in backbone networks. 19th IEEE Workshop on Local & Metropolitan Area Networks (LANMAN), Brussels, 2013, pp. 1-6 (2013)

- C19:** Raffaele Bolla, Roberto Bruschi, Franco Davoli, Lorenzo Di Gregorio, L. Giacomello, Chiara Lombardo, Giorgio Parladori, N. Strugo, Anastasios Zafeiropoulos: The low energy consumption networks (ECONET) project. 2012 Sustainable Internet and ICT for Sustainability (SustainIT), Pisa, 2012, pp. 1-5 (2012)
- C18:** Athanassios Liakopoulos; Anastasios Zafeiropoulos; Panagiotis Gouvas: Smart grid evolution through the exploitation of future internet networking concepts. 2012 IEEE International Conference on Industrial Technology, Athens, 2012, pp. 415-420 (2012)
- C17:** Ioannis V. Papaioannou, Periklis Stavrou, Anastasios Zafeiropoulos, Dimitrios-Emmanuel Spanos, Stamatis Arkoulis, Nikolas Mitrou: Mechanisms for Distributed Data Fusion and Reasoning in Wireless Sensor Networks. Energy-Aware Communications. EUNICE 2011. Lecture Notes in Computer Science, vol 6955. Springer, Berlin, Heidelberg, 221-224 (2011)
- C16:** Anastasios Zafeiropoulos, Athanassios Liakopoulos, Panagiotis Gouvas: A Context Model for Autonomic Management of Ad-hoc Networks. 1st International Conference on Pervasive and Embedded Computing and Communication Systems (PECCS 2011), 74-82 (2011)
- C15:** Panagiotis Gouvas, Thanassis Bouras, Anastasios Zafeiropoulos, Athanassios Liakopoulos: Ubi-Chord: Services provision in dynamic networks based on p2p protocols. 18th International Conference on Telecommunications, Aya Napa, 2011, pp. 375-380 (2011)
- C14:** Panagiotis Gouvas, Anastasios Zafeiropoulos, Athanassios Liakopoulos: Gossiping for Autonomic Estimation of Network-Based Parameters in Dynamic Environments. On the Move to Meaningful Internet Systems: OTM 2010 Workshops. OTM 2010. Lecture Notes in Computer Science, vol 6428. Springer, Berlin, Heidelberg, 358-366 (2010)
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#### **White papers**

- 5G PPP 5G Architecture White Paper Revision 3.0 – June 2019

- 5G PPP Test, Measurement and KPIs Validation Working Group White Paper – June 2019: “Validating 5G Technology Performance – Assessing 5G architecture and Application Scenarios”

#### **Δεξιότητες σε ΤΠΕ και Αποθετήρια Λογισμικού**

**Ανάπτυξη λογισμικού:** Java, Python, RDF/XML/YAML (semantic representation), Javascript, Vue

**Ανάλυση δεδομένων:** R (statistics), Spark, SPSS

**Βάσεις δεδομένων:** SQL, MySQL, PostgreSQL, PostGIS MongoDB, Time series DB

**Σχεδιασμός και ανάλυση διαδικασιών** με βάση BPMN.



### **Συμμετοχή σε Φόρα Προτυποποίησης και Ομάδες Εργασίας**

Συμμετοχή σε διάφορες ομάδες εργασίας (Architecture WG, TMV WG) του 5G-PPP.

Συμμετοχή και συνεισφορά στις ακόλουθες ομάδες προτυποποίησης στο ETSI:

- Autonomic network engineering for the self-managing Future Internet (AFI) ISG:  
Συνεισφορά σε ομάδες εργασίας σχετικά με λειτουργικότητες αυτόνομων δικτύων.

Συμμετοχή σε διάφορα IETF meetings - Συνεισφορά στο workshop 'Interconnecting Smart Objects with the Internet' - <http://tools.ietf.org/html/rfc6574>