

# ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Αύγουστος 2024

## Δημήτριος Πλεξουσάκης

Διευθυντής, Ινστιτούτου Πληροφορικής-ΙΤΕ,  
Καθηγητής, Τμήμα Επιστήμης Υπολογιστών  
Πανεπιστήμιο Κρήτης

### ΠΡΟΣΩΠΙΚΑ ΣΤΟΙΧΕΙΑ

Διεύθυνση κατοικίας: Παλαιοκάπα 64, 71305, Ηράκλειο, Κρήτη  
Τηλέφωνα: +30 2810-393528 (γραφείο@UoC),  
+30 2810-391637 (γραφείο@FORTH),  
+30 6974395014 (κινητό)  
Email: [dp@csd.uoc.gr](mailto:dp@csd.uoc.gr), [dp@ics.forth.gr](mailto:dp@ics.forth.gr)  
Οικογενειακή κατάσταση: έγγαμος με 2 παιδιά  
Υπηκοότητα: Ελληνική, Καναδική



### ΤΡΕΧΟΥΣΑ ΘΕΣΗ

*Διευθυντής, Ινστιτούτο Πληροφορικής, Ι.Τ.Ε (από 03/17)*

- 1<sup>η</sup> θητεία : 03/17 – 05/21
- 2<sup>η</sup> θητεία: 05/21 - σήμερα

*Καθηγητής, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης (από 07/07)*

*Αντιπρόεδρος, Διοικητικού Συμβουλίου, Ι.Τ.Ε. (από 07/17)*

*Συνεργαζόμενος Ερευνητής / Επικεφαλής Εργαστηρίου Πληροφοριακών Συστημάτων, Ινστιτούτο Πληροφορικής, Ι.Τ.Ε. (από 06/99) – Επικεφαλής εργαστηρίου (από 01/12)*

### ΤΙΤΛΟΙ ΣΠΟΥΔΩΝ

- *Διδακτορικό Δίπλωμα (PhD) στην Επιστήμη Υπολογιστών, Ιανουάριος 1996, Department of Computer Science, University of Toronto, Toronto, Canada*
- *Μεταπτυχιακό Δίπλωμα (MSc) στην Επιστήμη Υπολογιστών, Σεπτέμβριος 1990, Department of Computer Science, University of Toronto, Toronto, Canada*
- *Πτυχίο Επιστήμης Υπολογιστών (βαθμός Άριστα: 8,72), Ιούλιος 1988, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης*

## ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

Τα ερευνητικά μου ενδιαφέροντα εντοπίζονται στην περιοχή της Αναπαράστασης Γνώσης και του Αυτοματοποιημένου Λογισμού, των Συστημάτων Βάσεων Δεδομένων και Γνώσεων καθώς και στις εφαρμογές και επεκτάσεις αυτών.

- Αναπαράσταση Γνώσης και Συλλογιστική (Knowledge Representation and Reasoning)
- Εννοιολογική Μοντελοποίηση (Conceptual Modeling)
- Συστήματα Διαχείρισης Βάσεων Δεδομένων και Γνώσεων (Data and Knowledge Base Management Systems)
- Αναπαράσταση και Διαχείριση Γνώσης στο Σημασιολογικό Διαδίκτυο και σε Ευφυή Περιβάλλοντα (Knowledge Representation and Management on the Semantic Web and in Smart Environments)
- Αναπαράσταση Γνώσης και Συλλογιστική για τη Γνωσιακή και Κοινωνική Ρομποτική (Knowledge Representation and Reasoning for Cognitive and Social Robotics)
- Επιστήμη των Δεδομένων, Διαχείριση Μεγάλων Δεδομένων (Data Science, Management of Big Data)
- Πληροφοριακά Συστήματα στο Διαδίκτυο (Web-based Information Systems)
- Υπολογιστική Προσανατολισμένη σε Υπηρεσίες και Υπολογιστικά Νέφη (Service-Oriented and Cloud Computing)
- Μοντελοποίηση και Ανάλυση Επιχειρησιακών Διεργασιών (Business Process Modeling and Analysis)
- Χρονικές, Ενεργές και Παραγωγικές Βάσεις Δεδομένων (Temporal, Active and Deductive Databases)
- Εφαρμογές Πληροφοριακών Συστημάτων στη Βιοϊατρική Πληροφορική με έμφαση στη σημασιολογική ολοκλήρωση (Applications of Information Systems in Biomedical informatics with emphasis on Semantic Integration)
- Ψηφιακές Βιβλιοθήκες και Αποθετήρια Δεδομένων (Digital Libraries and Data Repositories)

Με την ιδιότητα του Επικεφαλής του Εργαστηρίου Πληροφοριακών Συστημάτων συντονίζω τις δραστηριότητες έρευνας και ανάπτυξης του εργαστηρίου συμπεριλαμβανομένων εκείνων του Κέντρου Πολιτισμικής Πληροφορικής. Είμαι επιστημονικά υπεύθυνος της ερευνητικής κατεύθυνσης της Διαχείρισης Σημασιολογικών Δεδομένων, ενώ μέχρι πρόσφατα είχα την επιστημονική ευθύνη των περιοχών της Συμβολικής Τεχνητής Νοημοσύνης και της Υπολογιστικής Προσανατολισμένης σε Υπηρεσίες.

Με την ιδιότητα του Διευθυντή του Ινστιτούτου Πληροφορικής είμαι επιστημονικά υπεύθυνος και συντονιστής του οριζόντιου προγράμματος πάνω στην Επιστήμη των Δεδομένων. Είμαι επίσης επιστημονικά υπεύθυνος και συντονιστής του Ευρωπαϊκού Κόμβου Ψηφιακής Καινοτομίας για την Ευφυή Υγεία με την ονομασία “SmartHealth – from Precision Medicine to Innovative E-health Services”.

## ΑΚΑΔΗΜΑΪΚΗ ΚΑΙ ΕΡΕΥΝΗΤΙΚΗ ΕΜΠΕΙΡΙΑ (μετά την απόκτηση του Διδακτορικού Διπλώματος)

- [Ιούλιος 2017 - σήμερα] *Αντιπρόεδρος, Διοικητικό Συμβούλιο, ΙΤΕ*
- [Μάρτιος 2017 – σήμερα] *Διευθυντής, Ινστιτούτο Πληροφορικής, ΙΤΕ*
- [Νοέμβριος 2020 – σήμερα] *Πρόεδρος, Τομεακό Επιστημονικό Συμβούλιο Επιστήμης Υπολογιστών και Πληροφορίας, Εθνικό Συμβούλιο Έρευνας και Καινοτομίας*
- [Απρίλιος 2020 – σήμερα] *Εθνικός Εκπρόσωπος, ESFRI Strategic Group on Data, Computing and Digital Research Infrastructures*
- [Νοέμβριος 2018 – Οκτώβριος 2022] *Μέλος Διοικητικού Συμβουλίου, OramaVR S.A.*
- [Μάρτιος 2018 – Ιούλιος 2019] *Αντιπρόεδρος, Τομεακό Επιστημονικό Συμβούλιο στα Μαθηματικά και τις Επιστήμες της Πληροφορίας, Εθνικό Συμβούλιο Έρευνας και Καινοτομίας*
- [Απρίλιος 2016 – σήμερα] *Μέλος Διοικητικού Συμβουλίου ΕΔΑΠ ΑΕ, Εταιρίας Διαχείρισης του Επιστημονικού και Τεχνολογικού Πάρκου Κρήτης*
- [Μάρτιος 2014 – Φεβρουάριος 2017] *Πρόεδρος, Επιστημονικό Συμβούλιο, Εθνικό Κέντρο Τεκμηρίωσης, (ορισμός από το Υπ. Παιδείας, Γενική Γραμματεία Έρευνας και Τεχνολογίας*
- [2012 – σήμερα] *Μέλος Διοικητικού Συμβουλίου, European Research Consortium on Informatics and Mathematics (ERCIM AISBL and ERCIM EEIG), Chair of the Science Task Group; Member of the ERCIM EEIG Executive Committee*
- [Δεκέμβριος 2009 - Δεκέμβριος 2013] *Διευθυντής του Εργαστηρίου Επεξεργασίας Δεδομένων, Σχολή Θετικών & Τεχνολογικών Επιστημών, Πανεπιστήμιο Κρήτης*
- [Ιούλιος 2007 – σήμερα] *Καθηγητής, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης*
- [Σεπτέμβριος 2006 – Αύγουστος 2010] *Πρόεδρος, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης*
- [Ιανουάριος 2005] *Επισκέπτης Ερευνητής, Universite de Paris-Sud (Orsay), Paris, France (κατά τη διάρκεια εκπαιδευτικής άδειας από το Πανεπιστήμιο Κρήτης)*
- [Δεκέμβριος 2004] *Επισκέπτης Ερευνητής, CNAM, Paris, France (κατά τη διάρκεια εκπαιδευτικής άδειας από το Πανεπιστήμιο Κρήτης)*
- [Σεπτέμβριος 2004 – Οκτώβριος 2004] *Επισκέπτης Καθηγητής, Department of Knowledge Engineering, School of Computer Science, University of Vienna, Vienna, Austria (κατά τη διάρκεια εκπαιδευτικής άδειας από το Πανεπιστήμιο Κρήτης)*
- [Νοέμβριος 2002 – Ιούνιος 2007] *Αναπληρωτής Καθηγητής, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης*
- [Μάρτιος 2000 – Οκτώβριος 2002] *Επίκουρος Καθηγητής, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης*
- [Ιούνιος 1999 – σήμερα] *Συνεργαζόμενος Ερευνητής, Εργαστήριο Πληροφοριακών Συστημάτων, Ινστιτούτο Πληροφορικής, Ίδρυμα Τεχνολογίας και Έρευνας. Επικεφαλής του Εργαστηρίου Πληροφοριακών Συστημάτων [Ιανουάριος 2012 – σήμερα]*
- [Μάρτιος 1999 – Φεβρουάριος 2000] *Επισκέπτης Καθηγητής (Π.Δ. 407), Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης*
- [Αύγουστος 1997 – Ιούλιος 1998] *Επίκουρος Καθηγητής, Department of Computer Science and Engineering, University of South Florida, Tampa, FL., USA*
- [Ιούλιος 1996 – Αύγουστος 1996] *Επισκέπτης Ερευνητής, Department of Computer Science, University of Toronto, Toronto, Canada*

- [Αύγουστος 1995 – Ιούλιος 1997] *Επισκέπτης Καθηγητής*, Department of Computing and Information Sciences, Kansas State University, Manhattan, KS., USA

## ΑΛΛΗ ΕΡΓΑΣΙΑΚΗ ΕΜΠΕΙΡΙΑ

- [Σεπτέμβριος 1993 – Ιανουάριος 1997] *Τεχνικός Σύμβουλος* στην εταιρεία, KBS Technology Inc., Richmond Hill, Ontario, Canada
- [Ιανουάριος 1992 – Αύγουστος 1995] *Βοηθός Έρευνας (Research Assistant)*, Department of Computer Science, University of Toronto, Toronto, Canada
- [Ανοιξη 1991, Καλοκαίρι 1992] *Επισκέπτης Καθηγητής*, George Brown College of Applied Arts and Technology, Toronto, Ontario, Canada.
- [Σεπτέμβριος 1988 – Ιούνιος 1995] *Βοηθός Διδασκαλίας (Teaching Assistant)*, Department of Computer Science, University of Toronto, Toronto, Canada
- [Ιούνιος 1986 – Ιούλιος 1988] *Προγραμματιστής – Προπτυχιακός υπότροφος*, Ινστιτούτο Πληροφορικής, Ίδρυμα Τεχνολογίας και Έρευνας, Ηράκλειο
- [Ιούνιος 1985 – Μάιος 1986] *Προγραμματιστής – Προπτυχιακός υπότροφος*, Υπολογιστικό Κέντρο, Πανεπιστήμιο Κρήτης, Ηράκλειο



Αυτοδύναμη διδασκαλία μαθημάτων και ανάπτυξη εκπαιδευτικού υλικού:

- Στο Πανεπιστήμιο Κρήτης διδάσκω ή έχω διδάξει τα ακόλουθα μαθήματα:

(α) Προπτυχιακό Πρόγραμμα Σπουδών

- HY180: Λογική
- HY340: Γλώσσες και Μεταφραστές
- HY360: Αρχεία και Βάσεις Δεδομένων
- HY452: Εισαγωγή στην Επιστήμη και Τεχνολογία των Υπηρεσιών
- HY460: Συστήματα Διαχείρισης Βάσεων Δεδομένων

(β) Μεταπτυχιακό Πρόγραμμα Σπουδών

- HY567: Αναπαράσταση Γνώσης και Συλλογιστική
- HY565: Συστήματα Διαχείρισης Διεργασιών
- HY662: Χωρικές και Χρονικές Βάσεις Δεδομένων
- HY562: Προχωρημένα Θέματα Βάσεων Δεδομένων

- Δι-ιδρυματικό Μεταπτυχιακό Πρόγραμμα Biomedical Engineering
  - BME 20 (Big Data Analytics in Medicine and Health Care)

- Στο University of South Florida διδάξα τα ακόλουθα μαθήματα

α) Προπτυχιακό Πρόγραμμα Σπουδών

- CIS4600: Operating Systems
- COP2002: Introduction to Computer Science
- COP2000: Introduction to Computer Science-Laboratory

(β) Μεταπτυχιακό Πρόγραμμα Σπουδών ‘

- CIS6930: Advanced Topics in Databases

- Στο *Kansas State University* δίδαξα τα ακόλουθα μαθήματα

(α) Προπτυχιακό Πρόγραμμα Σπουδών

- CIS560: Database System Concepts

(β) Μεταπτυχιακό Πρόγραμμα Σπουδών


- CIS730: Principles of Artificial Intelligence
- CIS761: Database Management Systems
- CIS764: Database Design
- CIS860: Distributed Databases
- CIS890: Database Systems for Advanced Applications

- Στο *University of Vienna* δίδαξα τα ακόλουθα μεταπτυχιακά μαθήματα
  - Introduction to Semantic Web Technologies
  - Technologies for Web Services

- Στο University of Toronto δίδαξα το προπτυχιακό μάθημα
  - CSC270: Introduction to Modeling and Optimization

- Στο George Brown College of Applied Arts and Technology, Toronto δίδαξα τα μαθήματα:
  - IS100: Introduction to Programming
  - IS201: Programming in C

Μη-αυτοδύναμη διδασκαλία (βοηθός διδασκαλίας στο Department of Computer Science, University of Toronto):

- CSC434: Data Management Systems
  - CSC324: Principles of Programming Languages
  - CSC382: Numerical Methods I
  - CSC180: Introduction to Computer Programming with FORTRAN
  - CSC148: Introduction to Computing with Turing
  - CSC104: How Computers are Used
- 

## ΔΙΑΚΡΙΣΕΙΣ ΚΑΙ ΒΡΑΒΕΙΑ

- Μεταξύ των 100 κορυφαίων Ελλήνων Επιστημόνων Υπολογιστών με τους υψηλότερους δείκτες απήχησης, 2024
- Μεταξύ των 50 κορυφαίων Ελλήνων Επιστημόνων Υπολογιστών με τους υψηλότερους δείκτες απήχησης, 2022
- ACM Senior member, 2021
- Μεταξύ των 40 κορυφαίων Ελλήνων Επιστημόνων Υπολογιστών με τους υψηλότερους δείκτες απήχησης, 2020
- Βραβείο Άρθρου με τις περισσότερες ετεροαναφορές (top-cited article) για την περίοδο 2005-2010 για το περιοδικό “Engineering Applications of Artificial Intelligence” του εκδοτικού οίκου Elsevier.
- Βραβείο Καλύτερου Άρθρου στα συνέδρια CLAR’21, RuleML’12, ΣΕΤΝ’08, STAIRS’06 και ISWC’03
- Υποτροφία Μεταπτυχιακών Σπουδών (Graduate Fellowship), Department of Computer Science, University of Toronto, 1992-1994
- Υποτροφία Μεταπτυχιακών Σπουδών (Open Fellowship), University of Toronto, 1988 – 1991
- Υποτροφία Ιδρύματος Fullbright για μεταπτυχιακές σπουδές, 1988 (δεν την αποδέχτηκα)
- Υποτροφία Ιδρύματος Κρατικών Υποτροφιών για επίδοση στις Προπτυχιακές Σπουδές, Πανεπιστήμιο Κρήτης, 1986-1988
- Υποτροφία Εισαγωγής στο Πανεπιστήμιο, σειρά εισαγωγής: 2, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης, 1984

Δείκτες Απήχησης (πηγή: Google Scholar) στις 26/8/2024

- h-index: 45
- i10-index: 123
- Συνολικές αναφορές: 8701

## A. ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ (με κρίση πλήρους άρθρου)

1. **[BEF+24]** R. Buchmann, J. Eder, H-G. Fill, U. Frank, D. Karagiannis, E. Laurenzi, J. Mylopoulos, **D. Plexousakis** and M. Santos, “Large Language Models: Expectations for Semantics-driven Systems Engineering”, in *Data and Knowledge Engineering*, Volume 152, July 2024, Article number 102324.
2. **[VPE+24]** A. Vassiliades, T. Patkos, V. Efthymiou, A. Bikakis, N. Bassiliades and **D. Plexousakis**, “Extraction of Object-Action and Object-State Associations from Knowledge Graphs”, in *Journal of Web Semantics*, vol. 81, July 2024, Article number 100816.
3. **[TAK+24]** G. Troullinou, G. Agathangelos, H. Kondylakis, K. Stefanidis and **D. Plexousakis**, “DIAERESIS: RDF Data Partitioning and Query Processing on SPARK”, *Semantic Web Journal*, 2024
4. **[FPB+23]** G. Flouris, T. Patkos, A. Bikakis, A. Vassiliades, N. Bassiliades and **D. Plexousakis**, “Theoretical Analysis and Implementation of Abstract Argumentation Frameworks with Domain Assignments”, *International Journal of Approximate Reasoning*, Volume 161, October 2023, Article number 108992.
5. **[BFPP23]** A. Bikakis, G. Flouris, T. Patkos and **D. Plexousakis**, “Sketching the Vision of the Web of Debates”, *Frontiers in Artificial Intelligence*, Volume 6, 2023, Article number 1124045
6. **[VFP+23]** A. Vassiliades, G. Flouris, T. Patkos, A. Bikakis, N. Bassiliades and **D. Plexousakis**, “Argumentation Frameworks with Attack Classification”, *Journal of Logic and Computation*, 3(2), pp. 192-229, 2023
7. **[PPP+22]** K. Papantoniou, P. Papadakos, T. Patkos, G. Flouris, I. Androutsopoulos and **D. Plexousakis**, “Deception Detection in Text and its Relation to the Cultural Dimension of Individualism / Collectivism”, in *Natural Language Engineering*, Cambridge University Press, Volume 28, Issue 5, Pages 545 – 606, 2 September 2022. (Also appeared as an arXiv preprint, under number 2105.12530, 2021).
8. **[KKK+22]** K. Kellou-Menouer, N. Kardoulakis, G. Troullinou, Z. Kedad, **D. Plexousakis** and H. Kondylakis, “A Survey on Semantic Schema Discovery”, in *The VLDB Journal*, Volume 31, Issue 4, Pages 675 – 710, July 2022
9. **[ZKSP21]** P. Zervoudakis, H. Kondylakis, N. Spyrtos and **D. Plexousakis**, “Query Rewriting for Incremental Continuous Query Evaluation in HIFUN”, in *Algorithms*, 14 (5), 149, 2021.
10. **[KBC+21]** M. Koubarakis, A. Borgida, P. Constantopoulos, M. Doerr, M. Jarke, M. Jeusfeld, J. Mylopoulos and **D. Plexousakis**, “A Retrospective on Telos as a Metamodeling Language for Requirements Engineering”, in *Requirements Engineering*, 26, 1, pp. 1-23, Springer, 2021.



11. **[TPFP21]** N. Tsampanaki, T. Patkos, G. Flouris and **D. Plexousakis**, “Revising Event Calculus Theories to Recover from Unexpected Observations”, in *Annals of Mathematics and Artificial Intelligence*, 89 (1-2): 209-236, 2021.
12. **[GFP+20]** I. Genitsaridi, I. Flouri, **D. Plexousakis**, K. Marias, K. Boki, F. Skopouli, A. Drosos, G. Bertsiias, D. Boumpas and P. Sidiropoulos, “Rheumatoid Arthritis Patients on Persistent Moderate Disease Activity on Biologics have Adverse 5-year Outcome Compared to Persistent Low-Remission Status and Represent a Heterogeneous Group”, in *Arthritis Research and Therapy*, Volume 22, Issue 1, Article number 226, 2020.
13. **[CAA+20]** B. Canuel et al. “ELGAR - a European Laboratory for Gravitation and Atom-interferometric Research”, in *Classical and Quantum Gravity*, Volume 37, Issue 22, IOP Science, 2020.
14. **[HPP+18]** G. Hatzivassilis, I. Papaefstathiou, **D. Plexousakis**, C. Manifavas, N. Papadakis, “AmbiSPDM: Managing Embedded Systems in Ambient Environments and Disaster Mitigation Planning”, in *Applied Intelligence*, 48(6): 1623-1643 (2018), Springer, (published online: 30 August 2017)
15. **[BKP17]** G. Baryannis, K. Kritikos and **D. Plexousakis**, “A Specification-based QoS-Aware Design Framework for Service-based Applications”, in *Service-Oriented Computing and Applications*, 11(3): 301-314, Springer, 2017
16. **[TKDP17]** G. Troulinou, H. Kondylakis, E. Daskalaki and **D. Plexousakis**, “Ontology Understanding without Tears: the Summarization Approach”, in *Journal of Semantic Web*, 8(6): 797-815, 2017
17. **[BDK+17]** M. Bitsaki, M. Dramitinos, G. Koutras, **D. Plexousakis** and A. Psycharaki, “Collective Utility in Hierarchical Structures of Collective Adaptive Systems: an Application in Transportation Systems”, in *Journal of Computer Science - Research and Development*, 32(3-4), 343-352, Springer, 2017.
18. **[KPP16]** K. Kritikos, **D. Plexousakis** and P. Plebani, “Semantic SLAs for Services with Q-SLA”, in *Procedia Computer Science*, Elsevier, vol. 97, pp. 24-33, 2016.
19. **[PPCA16]** T. Patkos, **D. Plexousakis**, A. Chibani and Y. Amirat, “An Event Calculus Production Rule System for Reasoning in Dynamic and Uncertain Domains”, *International Journal on the Theory and Practice of Logic Programming* (Special Issue on RuleML 2014) 16(03), pp. 325-352, 2016.
20. **[SKP15]** M. Skouradaki, M. Kalogiannakis and **D. Plexousakis**, "Enhancing Learning Management Systems towards Adaptivity: a Case Study", *International Journal of Teaching and Case Studies*, 6 (2), pp 108-123, 2015.
21. **[ZKP15b]** C. Zeginis, K. Kritikos and **D. Plexousakis**, "Event Pattern Discovery in Multi-Cloud Service-Based Applications", in *International Journal of Systems and Service-Oriented Engineering*, Special Issue on Service-Oriented Architecture in the Era of Big Data, 5(4), pp. 78-103, 2015.
22. **[ZA+15]** F. Zablith, G. Antoniou, M. d'Aquin, G. Flouris, H. Kondylakis, E. Motta, **D. Plexousakis**, M. Sabou, “Ontology Evolution: A Process Centric Survey”, in *The Knowledge Engineering Review*, 30(1), pp 45-75, 2015.

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10. **[Onassis03]** "Semantic Web: Myths and Reality", *Onassis Lecture Series in Computer Science*, Heraklion, Greece, July 2003 (with V. Christophides).
11. **[EU-NSF02]** "Querying the Semantic Web", *EU-NSF Workshop on Database and Information Systems Research for Semantic Web and Enterprises*, Amicalola Falls, Georgia, April 3-5, 2002 (not attended).
12. **[PLS01]** "Reasoning about Database Dynamics in the Situation Calculus", *3rd Panhellenic Symposium on Logic*, Anogia, Greece, July 2001.
13. **[NCI01]** "Thematic Web Portals: the Case of Science and Technology Museums", *Network on Cultural Informatics*, Athens, Greece, June 2001.
14. **[DLW01]** "From Digital Libraries to Web Portals", *Digital Libraries Workshop*, University of Crete, May 2001.



## H. ΕΚΠΑΙΔΕΥΤΙΚΕΣ ΟΜΙΛΙΕΣ (TUTORIALS)

1. [PP24] **D. Plexousakis**, T. Patkos, N. Basina and A. Pratikaki, "A Smooth Integration of Conceptual Modeling, Knowledge Graph Engineering and Logical Reasoning", *Next Generation Enterprise Modeling: Methods, Frameworks, Tools*, Vienna, Austria, July 2024.
2. [KKT+22] K. Kellou-Menouer, N. Kardoulakis, G. Troullinou, Z. Kedad, **D. Plexousakis** and H. Kondylakis, ISWC 2022, Tutorial on "Semantic Schema Discovery: principles, methods and future research directions", Hangzhou, China, October 2022.
3. [PP22] **D. Plexousakis** and T. Patkos, "Modeling Knowledge, Action and Time: Action Theories and their Applications in Dynamic, Uncertain Domains", *Next Generation Enterprise Modeling: Methods, Frameworks, Tools*, Vienna, Austria, July 2022.
4. [PP19] **D. Plexousakis** and T. Patkos, "Modeling Knowledge, Action and Time: Action Theories and their Applications in Dynamic, Uncertain Domains", *Next Generation Enterprise Modeling: Methods, Frameworks, Tools*, Vienna, Austria, July 2019.
5. [PP18] **D. Plexousakis** and T. Patkos, "Modeling Knowledge, Action and Time: Action Theories and their Applications in Dynamic, Uncertain Domains", *Next Generation Enterprise Modeling: Methods, Frameworks, Tools*, Vienna, Austria, July 2018.
6. [PP17] **D. Plexousakis** and T. Patkos, "Modeling Knowledge, Action and Time: Action Theories and their Applications in Dynamic, Uncertain Domains", *Next Generation Enterprise Modeling: Methods, Frameworks, Tools*, Vienna, Austria, July 2017.
7. [PP14] **D. Plexousakis** and T. Patkos, "Modeling Knowledge, Action and Time: Action Theories and their Applications in Dynamic, Uncertain Domains", *Next Generation Enterprise Modeling: Methods, Frameworks, Tools*, Klagenfurt, Austria, July 2014.
8. [FL+06b] T. Furche, B. Linse, F. Bry, **D. Plexousakis** and G. Gottlob, "RDF Querying: Language Constructs and Evaluation Methods Compared", *Reasoning Web Summer School*, Lisbon, Portugal, September 2006.
9. [MC+95a] J. Mylopoulos, V. Chaudhri, I. Jurisica, **D. Plexousakis**, A. Shrufi, T. Topaloglou, and Q. Wang, "Information and Knowledge Base Management", Tutorial presented at the *International Joint Conference on Artificial Intelligence (IJCAI'95)*, Montreal, Canada, August 1995.
10. [MC+95b] J. Mylopoulos, V. Chaudhri, I. Jurisica, **D. Plexousakis**, A. Shrufi, T. Topaloglou, and Q. Wang, "Information and Knowledge Base Management", Tutorial presented at the *Australian Joint Conference on Artificial Intelligence*, Canberra, Australia, 1995.
11. [MC+94] J. Mylopoulos, V. Chaudhri, I. Jurisica, **D. Plexousakis**, A. Shrufi, T. Topaloglou, and Q. Wang, "Information and Knowledge Base Management", Tutorial presented at the *International Conference on Database and Expert Systems Applications (DEXA'94)*, Athens, Greece, 1994.
12. [MC+93a] J. Mylopoulos, V. Chaudhri, I. Jurisica, **D. Plexousakis**, A. Shrufi, T. Topaloglou, and Q. Wang, "Information and Knowledge Base Management", Tutorial presented at the *International Conference on Information and Knowledge Management (CIKM'93)*, Washington, DC, 1993.

13. **[MC+93b]** J. Mylopoulos, V. Chaudhri, I. Jurisica, **D. Plexousakis**, A. Shrufi, T. Topaloglou, and Q. Wang, "Knowledge Base Management", Tutorial organized by the *Ontario Information Technology Research Center*, for academics, students and practitioners from Ontario Universities and Industries, Toronto, Canada, February 1993.



## Ⓜ. ΥΠΟ ΚΡΙΣΗ (UNDER REVIEW)

1. F. Gouidis, K. Papoutsakis, T. Patkos, A. Argyros and **D. Plexousakis**, “Enabling Visual Intelligence by Leveraging Visual Object States in a Neurosymbolic Framework”, Australasian Joint Conference on Artificial Intelligence, 2024.
2. F. Gouidis, K. Papoutsakis, T. Patkos, A. Argyros and **D. Plexousakis**, “Recognizing unseen States of Unknown Objects: Leveraging Knowledge Graphs”, IEEE/CVF Winter Conference on Applications of Computer Vision, 2025.

Ινστιτούτο Πληροφορικής, Ίδρυμα Τεχνολογίας και Έρευνας

1. **[AccessS]** Enhancing Accessibility and Sustainability in Smart Cities and Smart Buildings: The Universal Accessibility Suite Initiative, HORIZON EUROPE, Climate, Energy and Mobility Programme, Duration: 01/06/2024– 31/05/2027, Budget: 301.250,00 € (*Member of the Research Team*)
2. **[SmartHealth]** European Digital Innovation Hub for Smart Health: Precision Medicine and Innovative e-Health Services, HORIZON EUROPE, Digital Europe Programme, Duration: 01/01/2023– 31/12/2025, Budget: 1.441.290,00 € (*Scientific Coordinator*)
3. **[FIDAL]** Field Trials beyond 5G, HORIZON EUROPE, Digital, Industry and Space Programme, Duration: 01/01/2023– 31/12/2025, Budget: 337.500,00 € (*Member of the Research Team*)
4. **[MEMENTOS]-** iMmersive gamEs for Museums as vehicles to Engage visiTOrs in Empathetic reSponses, HORIZON EUROPE, Culture, creativity and inclusive society Programme, Duration: 01/10/2022– 30/09/2025, Budget: 562.000,00 € (*Member of the Research Team*)
5. **[SHIFT]-** MetamorphoSis of cultural Heritage Into augmented hypermedia assets For enhanced accessibiliTy and inclusion, HORIZON EUROPE, Culture, creativity and inclusive society Programme, Duration: 01/10/2022– 30/09/2025, Budget: 422.500,00 € (*Member of the Research Team*)
6. **[EUROCC]** - National Competence Centres in the Framework of EuroHPC JU, HORIZON 2020, Duration: 01/09/2020– 31/08/2022, Budget: 350.000,00 € (*Member of the Research Team*)
7. **[ΠΡΩΤΕΑΣ]** - ΠΡοηγμένο σύστημα συλλογής και διαχείρισης αναλυτικών δεδομένων για την ανοιχτή προς το κοινό Τεκμηρίωση, και συντήρηση ζωγραφικών έργων τέχνης μεγάλων διαστάσεων, «ΕΡΕΥΝΩ – ΔΗΜΙΟΥΡΓΩ – ΚΑΙΝΟΤΟΜΩ» Ε.Π. «Ανταγωνιστικότητα, Επιχειρηματικότητα και Καινοτομία (ΕΠΑνΕΚ)», ΕΣΠΑ 2014 – 2020, (Advanced System for the collection and management of analytical data for documentation and conservation of large-scale paintings in an open laboratory, «RESEARCH – CREATE – INNOVATE» Action, «Competitiveness, Entrepreneurship, Innovation Programme (ΕΠΑνΕΚ), NSRF 2014-2020), Duration: 28/07/2020 – 27/07/2023, Budget: 223.320,00 € (*Project Scientific Coordinator*)
8. **[Δίκτυο eΠΑΙΘΡΟΣ]** - Δίκτυο Υποστηρίξης Τουρισμού Υπαιθρου, ΕΣΠΑ 2014 – 2020, ([Δίκτυο eΠΑΙΘΡΟΣ] - Rural Tourism Support Network, NSRF 2014-2020), Duration: 06/08/2020 – 05/08/2022, Budget: 40.000,00 € (*Scientific Coordinator FORTH-ICS*)
9. **[MiB]** - Μια εξειδικευμένη ιστορία φιάλης, Επιχειρησιακό Πρόγραμμα «Κρήτη» 2014-2020, ΕΣΠΑ 2014 – 2020, ([MiB] - Message-in-a-bottle, Programme “CRETE” 2014 – 2020, NSRF 2014-2020), Duration: 23/04/2020 – 22/04/2023, Budget: 183.6740,75 € (*Member of the Research Team*)
10. **[MORPHEMIC]-** “Modelling and Orchestrating heterogeneous Resources and Polymorphic applications for Holistic Execution and adaptation of Models In the Cloud”, HORIZON 2020, Duration: 01/01/2020– 31/12/2022, Budget: 359.750,00 € (*Member of the Research Team*)



11. **[Debatelab]** - From Linked Data to Linked Arguments, 1<sup>st</sup> Call for H.F.R.I. Research Projects to Support Faculty Members & Researchers and Procure High-Value Research Equipment, Duration: 01/01/2020 – 30/06/2023, Budget: 169.333,92 € (*Project Scientific Coordinator*)
12. **[PROXIMIOT]** - Proximity Marketing Platform, «ΕΠΕΥΝΩ – ΔΗΜΙΟΥΡΓΩ – ΚΑΙΝΟΤΟΜΩ» Ε.Π. «Ανταγωνιστικότητα, Επιχειρηματικότητα και Καινοτομία (ΕΠΑνΕΚ)», ΕΣΠΑ 2014 – 2020, (Proximity Marketing Platform, Context with Single RTDI State Aid Action «RESEARCH – CREATE – INNOVATE» Action, «Competitiveness, Entrepreneurship, Innovation Programme (ΕΠΑνΕΚ), NSRF 2014-2020), Duration: 19/09/2019 – 18/03/2023, Budget: 180.000,00 € (*Scientific Coordinator FORTH-ICS*)
13. **[CAP-A]** - A Community-driven Approach to Privacy Awareness, HORIZON 2020, Duration: 01/07/2019 – 31/12/2020, Budget: 143.800,00 € (*Member of the Research Team*)
14. **[SoCoLa]** – Towards Socio-Cognitive Logic-based Agents, 1<sup>st</sup> Call for H.F.R.I. Research Projects to support Post-Doctoral Researchers, Duration: 04/09/2018 – 03/03/2022, Budget: 171.000,00 € (*Member of the Research Team*)
15. **[AI4EU]** - A European AI On Demand Platform and Ecosystem, HORIZON 2020, Duration: 01/01/2019 – 31/12/2021, Budget: 56.250,00 € (*Scientific Coordinator FORTH-ICS*)
16. **[DIGITAL UNSEALING OF HOLY ISLANDS] NAVIGATORS OF CULTURAL HERITAGE DIGITIZATION OF CHURCHES OF CYPRUS AND CRETE**, INTERREG V-A «Greece-Cyprus 2014-2020), Duration: 01/09/2018 – 31/12/2021, Budget: 120.000,00 € (*Scientific Coordinator FORTH-ICS*)
17. **[APOLLONIS – REGION OF CRETE]** Greek Infrastructure for Digital Arts, Humanities and Language Research and Innovation, NSRF 2014-2020) Duration: 31/12/2017 – 31/10/2021, Budget: 297.000,00 € (*Scientific Coordinator FORTH-ICS*)
18. **[ΚΡΗΠΙΣ ΙΙ, ΒΙΤΑΔ]** - Προηγμένες Ερευνητικές Δραστηριότητες στη Βιοϊατρική Τεχνολογία & Αγροδιατροφή-Κρήτη, ΕΣΠΑ 2014-2020, (**KRIPIS II-VITAD** - Advanced Research Activities in Biomedical Technology and Agri-food – Crete, NSRF 2014-2020) Duration: 08/09/2017 – 30/09/2021, Budget: 314.950,00 € (*Scientific Coordinator FORTH-ICS*)
19. **[HELLAS CH]** - « Synergy ELI – LASERLAB Europe, HiPER & IPERION-CH.gr », NSRF 2014-2020) Duration: 31/10/2017 – 31/03/2021, Budget: 124.824,72 € (*Member of the Research Team*)
20. **[KRIPIS II, POLITEIA II]** - Culture-Technology-New Technologies in Research, Study, Documentation and Access to information of Cultural Heritage Objects and Monuments, NSRF 2014-2020), Duration: 08/09/2017 – 19/03/2021, Budget: 140.883,00 € (*Scientific Coordinator FORTH-ICS*)
21. **[ASAP]** An Adaptive, highly Scalable Analytics Platform, FP7-ICT, Duration: 01/03/2014 – 28/02/2017, Budget: 659.164,00 € (*Member of the Research Team*)
22. **[CloudSocket]** Business and IT-Cloud Alignment Using a Smart Socket, H2020-ICT-644490, Duration: 01/01/2015 – 31/12/2017, Budget: 268.750,00€ (*Scientific Coordinator FORTH-ICS*)

23. **[Forthnet recommendation engine]** An online recommendation system for pay-TV content based on user-preferences and user-history, Private Contract, Duration: October 2016 – April 2017, Budget: 46,000 € (*Scientific Coordinator FORTH-ICS/ISL*)
24. **[AI-CARE]** Advanced knowledge management systems and applications in healthcare, NSRF 2007-2013, Co-operation 2011), Duration: 21/08/2013 – 31/10/2015, Budget: 101.500,00 € (*Member of the Research Team*)
25. **[RealEstate2.0]** Καινοτόμες υπηρεσίες Real-Estate: αξιοποιώντας το Web 2.0, ΕΣΠΑ 2007-2013, Πρόγραμμα Συνεργασία 2011, (Informed Real-Estate Services: Leveraging Web 2.0, NSRF 2007-2013, Co-operation 2011) Duration: 24/05/2013 – 31/10/2015, Budget: 193.000,00 € (*Scientific Coordinator FORTH-ICS*)
26. **[eSENS]** Electronic Simple European Network Services, FP7-CIP Large Scale Project-325211, Duration: 01/04/2013 – 31/03/2016, Budget: 360.044,00 € (*Scientific Coordinator FORTH-ICS*)
27. **[DIACHRON]** Managing the Evolution and Preservation of the Data Web, FP7-ICT-601043, Duration: 01/04/2013 - 31/03/2016, Budget: 703.740,00 € (*Member of the Research Team*)
28. **[PaaSage]** Model Based Cloud Platform Upperware, ICT-FP7-317715, Duration: 01/10/2012 - 30/09/2016, Budget: 506.947,00 € (*Scientific Coordinator FORTH-ICS/ISL*)
29. **[eHealthMonitor]** Intelligent Knowledge Platform for Personal Health Monitoring Services, ICT-FP7-287509, Duration: 01/12/2011 - 30/11/2014, Budget: 466.800,00 € (*Scientific Coordinator FORTH-ICS, Project Quality Manager*)
30. **[3DSYSTEK]** Development of a novel system for 3D Documentation, Promotion and Exploitation of Cultural Heritage Monuments via 3D data acquisition, 3D modeling and metadata recording, NSRF 2007-2013, Co-operation 2009), Duration: 18/04/2011 – 17/08/2014, Budget: 151.010,00 € (*Member of the Research Team*)
31. **[ΔΕΤΕΠ-ΤΠΕ]** Ανάπτυξη Δικτύου Επιχειρηματικής και Τεχνολογικής Πληροφόρησης, Επιχειρησιακό Πρόγραμμα Ανάπτυξης Ανθρώπινου Δυναμικού, (Development of a Business and Technology Information Network, Human Resources Development Operational Program), Duration: 22/02/2011 – 22/02/2015, Total budget: 787.200,00 € (*Scientific Coordinator of the Information and Communication Technologies Task Group*)
32. **[Planet Data]** European Network of Excellence on Large-Scale Data Management, ICT-FP7-257641, Duration: 01/10/2010 – 30/09/2014, Budget: 328.592,00 € (*Member of the Research Team*)
33. **[plugIT]** Business and IT Alignment using a Model-based Plug-in Framework, ICT-FP7-231430, Duration: 01/03/2009 – 31/08/2011, Budget: 265.480,00 € (*Scientific Coordinator FORTH / Project Scientific Manager*)
34. **[RPIC (ΠΠΚ)]** Broadband Service and Business Transformation, Regional Pole of Innovation of Crete, General Secretariat of Research and Technology, Greek Ministry of Development, Duration: 01/11/2006 – 15/12/2008, Total budget: 300.954,00 € (*Project Scientific Coordinator*)
35. **[InterLink]** International Cooperation Activities in Future and Emerging ICTs, Coordination Action, FET Programme, IST-FP6-034051, Duration: 01/10/2006 – 31/03/2009, Budget: 121.400,00 € (*Member of the Scientific Coordination Committee*)

36. **[LOCCANDIA]** Lab-on-chip based protein profiling for Cancer diagnosis, FP6-IST-034202, Duration: 01/06/2006 – 31/05/2009, Budget ICS/ISL: 116.940,00 € (*Member of the Research Team*)
37. **[KPLab]** Developing Knowledge Practices Laboratory, Integrated Project, IST-FP6-27490, Duration: 01/02/2006 – 31/01/2011, Budget: 939.132 € (*Member of the Research Team*)
38. **[ACGT]** Advancing Clinico-Genomic Trials on Cancer: Open Grid Services for Improving Medical Knowledge Discovery, Integrated Project, IST-FP6-026996, Duration: 01/02/2006 – 31/07/2010, Budget: 213.396,00 € (*Scientific Coordinator FORTH-ICS/ISL*)
39. **[Research Excellence II]** Development of Ambient Intelligence Environment, Emerging Areas of Excellence in Information and Communication Technologies Programme, General Secretariat of Research and Technology, Greek Ministry of Development, Duration: 01/01/2006 – 30/06/2008, Budget: 41.279,00 € (*Member of the Research Team*)
40. **[Beyond-the-Horizon]** Anticipating Future and Emerging Information Society Technologies, Coordination Action, FET Programme, IST-FP6-006622, Duration: 01/01/2005 – 30/06/2006, Budget: 139.000,00 € (*Project Scientific Coordinator*)
41. **[REWERSE]** Reasoning on the Web with Rules and Semantics, Network of Excellence, IST-FP6-506779, Duration: 01/03/2004 – 29/02/2008, Budget: 86.479,00 € (*Member of the Research Team*)
42. **[Cultural Documentation Standards]** Standards for cultural documentation and support technologies for the integration of digital cultural repositories and systems interoperability: Studies, Prototypes and Best-practices guides, General Secretariat of Research and Technology, Greek Ministry of Development / Information Society, Duration: 14/02/2004 – 15/03/2005, Budget: 110.000,00 € (*Member of the Research Team*)
43. **[DELOS]** Network of Excellence on Digital Libraries, FP6-IST-2002-507618, Duration: 01/01/2004 – 31/12/2007, Budget: 434.400,00 €, (*Member of the Research Team*)
44. **[PrognoChip]** Developing and Establishing DNA Microarray Technology in Greece: Identification and Validation of Classification and Prognosis Molecular Markers for Breast Cancer, General Secretariat of Research and Technology, Greek Ministry of Development, Duration: 01/10/2003 – 31/03/2007, FORTH Budget: 202.230,00 € (*Scientific Coordinator FORTH-ICS/ISL*)
45. **[DIAVATIS]** An Interactive System for Improving the Promotion of Touristic & Historical Aspects, General Secretariat of Research and Technology, Greek Ministry of Development, Duration: 07/07/2003 – 06/12/2005, Budget: 291.588,00 € (*Member of the Research Team*)
46. **[SeLeNe]** Self e-Learning Networks, IST-2001-39045, Duration: 01/11/2002 – 31/01/2004, Budget: 59.000,00 € (*Member of the Research Team*)
47. **[Research Excellence I]** Emerging Areas of Excellence in Information and Communication Technologies Programme, General Secretariat of Research and Technology, Greek Ministry of Development, Duration: 01/01/2002 – 31/12/2004, FORTH-ICS Budget: 500.000,00 € (*Scientific Coordinator FORTH-ICS/ISL*)



48. **[QuestionHow]** Quality Engineering Solutions via Tools, Information and Outreach for the New Highly-enriched Offerings from W3C: Evolving the Web in Europe, FP5-IST- 2000-28767, Duration: 01/09/2001 – 31/08/2003, ISL Budget: 20.000 € (*Member of the Research Team*)
49. **[PLANET]** European Network of Excellence in AI Planning, FP5-IST-2000-29656, Duration: 01/08/2001 – 31/07/2003, Total Budget: 499.882,00 € (*Scientific Coordinator FORTH-ICS*)
50. **[OntoWeb]** Network of Excellence on Ontology-based Information Exchange for Knowledge Management and Electronic Commerce, IST-2000-29243, Duration: 01/06/2001 – 31/05/2004, Budget: 51.600,00 € (*Member of the Research Team*)
51. **[CYCLADES]** An Open Collaborative Archive Environment, FP5-IST-2000-25456, Duration: 01/02/2001 – 31/07/2003, Budget: 239.478,00 € (*Scientific Coordinator FORTH-ICS*)
52. **[MESMUSES]** Metaphors for Science Museums, FP5-IST-2000-26074, Duration: 01/02/2001-31/07/2003, Budget: 304.998,00 € (*Member of the Research Team*)
53. **[ARION]** An Advanced Lightweight Architecture for Accessing Scientific Collections, FP5-IST-2000-25289, Duration: 01/01/2001 - 29/02/2004, Total Budget: 2.808.860,00 € (*Member of the Research Team*)
54. **[SCHOLNET]** A Digital Library Testbed to Support Networked Scholarly Communities, FP5-IST-1999-20664, Duration: 01/11/2000 - 30/04/2003, Budget: 296.395,00 € (*Member of the Research Team*)
55. **[DELOS]** A Network of Excellence in Digital Libraries, FP5-IST-1999-12262, Duration: 01/01/2000 - 31/12/2002, Budget: 434.400,00 € (*Member of the Research Team*)
56. **[C-Web]** A Generic Platform Supporting Community Webs, FP5-IST-1999-13479, Duration: 01/01/2000 - 31/12/2000, Budget: 79.200,00 € (*Member of the Research Team*)
57. **[ECTourism]** An Electronic Commerce System for the Provision of Tourism Services over Internet, General Secretariat of Research and Technology, Greek Ministry of Development, Duration: 01/06/1999 - 31/03/2001, FORTH-ICS Budget: 358.034,00 € (*Project Scientific Coordinator*),
58. **[Interreg]** Telematics Centre, Information Highway linking organizations in Crete, Cyprus and south-eastern Mediterranean: Cultural telematics Applications), Region of Crete / INTERREG II, Duration: 01/01/1998 – 30/06/2001, Budget: 676.200,00€ (*Member of the Research Team*)

## Πανεπιστήμιο Κρήτης

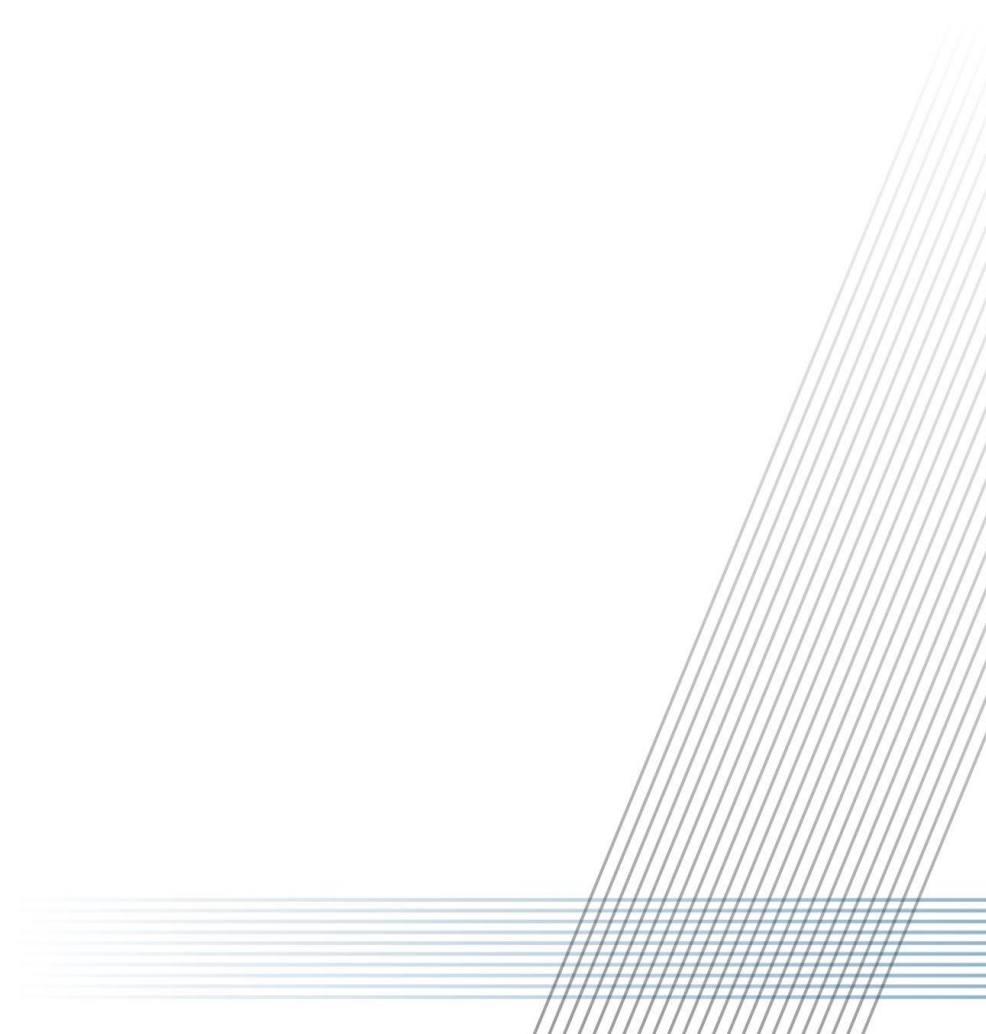
1. **[Practical Training IV]** Practical Training Programme for the Students of the Computer Science Department, University of Crete, Greek Ministry of Education – Education and Lifelong Learning Programme, Duration: 2011-2015, Budget: 95.161,00 € (*Scientific Coordinator UOC-CSD*)
2. **[EICOS]** Theoretical and Algorithmic Foundations for Personalized Information Ecosystems, Thales Programme, General Secretariat of Research and Technology, Duration: 2012-2015, Total Budget: 521.739,00 € (*Scientific Coordinator UOC-CSD*)



3. **[TORPS]** Tele-Ophthalmologic Service for the Preventive Testing of Cortex Pathology based on an Automated Depth Camera, Cooperation Programme 2011, General Secretariat of Research and Technology, Duration: 2012-2015, Budget: 78.000,00 € (*Scientific Coordinator UOC Data Processing Laboratory*)
4. **[SUPPORT]** Horizontal Actions Supporting Schools, Educators and Students during the Transition towards a Digital School; New Services for the Panhellenic School Network, Duration: 2011-2015, Budget: 910.968€ (*Scientific Coordinator UOC Data Processing Laboratory*)
5. **[OpenCourses]** Open Academic Courses at the University of Crete, Ε.Π. Εκπαίδευση και Δια Βίου Μάθησης, Greek Ministry of Education – Education and Lifelong Learning Programme, Duration: 2011-2015, Budget: 498.385,00 € (*Scientific Coordinator*)
6. **[HERON]** Integrated Electronic Services at the University of Crete, Digital Convergence Programme, Duration: 2011-2015, Budget: 252.435,00 € (*Scientific Coordinator*)
7. **[UoC Roadmap]** Roadmap for the Administrative Transformation of the University of Crete (*Member of the Research Team*)
8. **[S-Cube]** European Network of Excellence, Software Services and Systems Network, FP7-ICT-215483, Duration: 01/12/2007-30/11-2011, Budget: 375.680,00 € (*Member of the Research Team*)
9. **[EU-Canada]** EU-Canada Cooperation Programme in Higher Education and Training, Transatlantic Cooperation Programme, European Commission, (*Scientific Coordinator UOC/CSD*)
10. **[E-University]** Technical Specification of an Electronic Public Procurement System for the University of Crete, Information Society, (*Scientific Coordinator*)
11. **[Municipality of Heraklion]** Telecom and Service Infrastructure Upgrade - Broadband Access Metropolitan Area Network, (*Scientific Coordinator*)
12. **[Municipality of Heraklion]** Technical Specifications for the Electronic Administration Services of the Municipality of Heraklion, Information Society, (*Scientific Coordinator*)
13. **[Practical Training III]** Practical Training Programme for the Students of the Computer Science Department, University of Crete, Greek Ministry of Education, Duration: 2006-2008, Budget: 49.970,00 € (*Scientific Coordinator*)
14. **[Entrepreneurship]** Student Entrepreneurship Programme, Greek Ministry of Education, (*Member of the Research Team*)
15. **[Informatics Curriculum Development II]** Support Programme for Informatics Studies at the Computer Science Department of the University of Crete, Greek Ministry of Education, (*Member of the Research Team*)
16. **[SETN06]** Organization of the 4<sup>th</sup> Panhellenic Conference on Artificial Intelligence, Co-funding by the University of Crete, (*Member of the Research Team*)
17. **[Practical Training II]** Practical Training Programme for the Students of the Computer Science Department, University of Crete, Greek Ministry of Education, Duration: 2001-2005, Budget: 48.130,00 € (*Scientific Coordinator*)

18. **[Informatics Curriculum Development I]** Support Programme for Informatics Studies at the Computer Science Department of the University of Crete, Greek Ministry of Education, (*Member of the Research Team*)
19. **[Logic Symposium]** Organization of the Panhellenic Logic Symposium, Co-funding by the European Commission and the University of Crete (*Scientific Coordinator*)

### **University of South Florida**

1. **[USF1]** University of Florida, New Faculty Start-up grant, (\$30,000)
  2. **[USF2]** Research and Creative Scholarship grant, (\$7,500)
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## ΣΥΜΜΕΤΟΧΗ ΣΕ ΟΡΓΑΝΩΤΙΚΕΣ ΕΠΙΤΡΟΠΕΣ ΔΙΕΘΝΩΝ ΣΥΝΕΔΡΙΩΝ ΚΑΙ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΠΕΡΙΟΔΙΚΩΝ

- [TGDK]** Transactions on Graph Data and Knowledge, Member of the Editorial Board, *2023-to date*
- [KG4SDE24]** 2<sup>nd</sup> International Workshop on “Knowledge Graphs for Semantics-Driven Systems Engineering”, @CAiSE2024, June 2024, Limassol, Cyprus, Programme Committee Co-Chair
- [ISWC23]** 22<sup>nd</sup> International Conference on the Semantic Web, Athens, Greece, November 2023, *Organization Co-Chair*
- [ERCIM-JST23]** 4<sup>th</sup> ERCIM – JST (Japan Science and Technology Agency) Symposium on “Exploring New Research Challenges and Collaborations in AI, Big Data, Human-Computer Interaction and the Internet of Things”, October 2023, Kyoto, Japan, General Co-chair
- [KG4SDE23]** 1<sup>st</sup> International Workshop on “Knowledge Graphs for Semantics-Driven Systems Engineering”, @CAiSE2023, June 2023, Zaragoza, Spain, Programme Committee Co-Chair
- [ERCIM-JST22]** 3<sup>rd</sup> ERCIM – JST (Japan Science and Technology Agency) Symposium on “Humans and Interactions in Intelligent and XR Environments”, October 2022, General Co-chair
- [ERCIM-JST21]** 1<sup>st</sup> ERCIM – JST (Japan Science and Technology Agency) Symposium on “Big Data and Artificial Intelligence”, February 2021, General Co-chair
- [ISWC20]** 19<sup>th</sup> International Conference on the Semantic Web, Athens, Greece, November 2020, *Organization Co-Chair*
- [KSEM19]** 12<sup>th</sup> International Conference on Knowledge Science, Engineering and Management, Athens, Greece, August 2019, *General co-Chair*
- [ISIP19]** 13<sup>th</sup> International Workshop on Information Search, Integration and Personalization, May 2019, *General co-Chair*
- [ICTERI16]** 12th International Conference on ICT in Education, Research, and Industrial Applications: Integration, Harmonization, and Knowledge Transfer, Kiev, Ukraine, 2016, *Program Committee Co-Chair*
- [JWS]** Journal of Web Semantics, *Database Area Editor, 2008-2023*
- [ESWC 12]** Extended Semantic Web Conference, *Ontologies Track co-chair*
- [IWOD09, IWOD 10]** International Workshop on Ontology Dynamics, 2009 & 2010, *member of the organizing committee*
- [IWOD08]** 2nd International Workshop on Ontology Dynamics, at ISWC-08, October 2008, *Program Committee Co-Chair*
- [HDMS08]** 7<sup>th</sup> Hellenic Data Management Symposium, Heraklion, July 2007, *General Chair*
- [PCI08]** Panhellenic Conference on Informatics, Samos, August 2008, *Program Committee Co-Chair*

**[DISWeb06]** International Workshop on Data Integration and the Semantic Web, Luxembourg, June 2006, *Workshop Co-Chair*

**[SETN06]** 4<sup>th</sup> Hellenic Conference on Artificial Intelligence, Heraklion, Greece, May 2006, *Conference Vice-Chair*

**[DISWeb05]** International Workshop on Data Integration and the Semantic Web, Porto, Portugal, June 2005, *Workshop Co-Chair*

**[ISWC04]** 3<sup>rd</sup> International Conference on the Semantic Web, Hiroshima, Japan, November 2004, *Program Committee Co-Chair*

**[EDBT04]** 9<sup>th</sup> International Conference on Extending Database Technology, Heraklion, Greece, March 2004, *Executive Committee Chair*

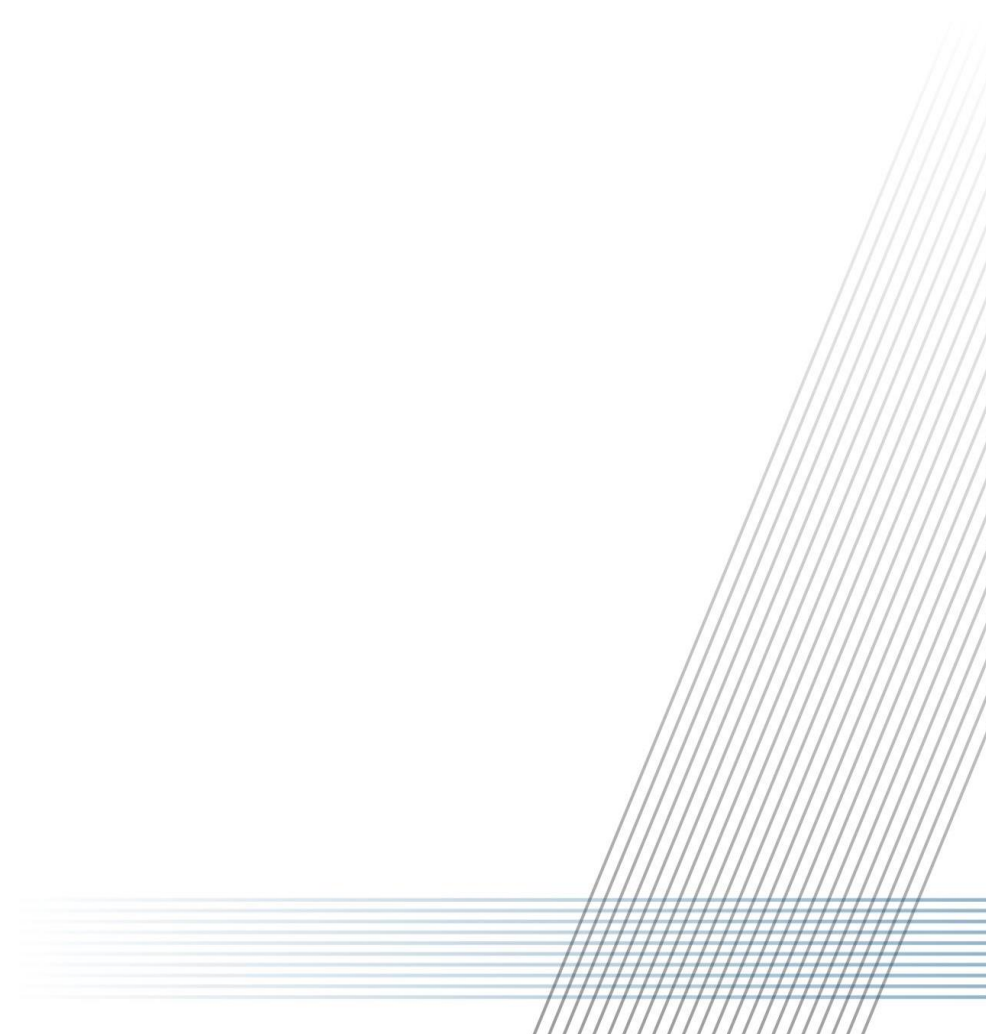
**[ESSW03]** International Workshop on E-Services and the Semantic Web Budapest, Hungary, May 2003, *Workshop Co-Chair*

**[ISWC03]** 2<sup>nd</sup> International Conference on the Semantic Web, Sanibel Island, Florida, October 2003, *Workshops Co-Chair*

**[IWSW00]** 1<sup>st</sup> International Workshop on the Semantic Web, Lisbon, Portugal, September 2000, *Workshop Co-Chair*

**[ETAI]** Electronic Transactions on Artificial Intelligence, *Member of the Editorial Board*

**[PLS01]** 3<sup>rd</sup> Panhellenic Logic Symposium, *Organizing Committee Member*





Συμμετέχω ή έχω συμμετάσχει στις Επιτροπές Προγράμματος διεθνών συνεδρίων και ημερίδων. Παρακάτω αναφέρεται ένα υποσύνολο αυτών με τα ακρώνημά τους:

- 2025:** EDBT25, TheWebConf 2025  
**2024:** TheWebConf 2024, EDBT24, ESWC24, ISWC24, SETN2024, KEOD2024, WISE2024, ICWE2024, MTSR2024  
**2023:** ISWC23, ESWC23, TPDL23, TheWebConf 2023, EDBT23, WISE2023  
**2022:** ISWC22, ESWC22, TPDL22, TheWebConf 2022, AAAI22, WISE22, SETN22  
**2021:** AAAI21, EDBT21, TheWebConf 2021, TPDL21, KEOD21, WISE21  
**2020:** ISWC2020, EDBT2020, ESWC2020, TheWebConf 2020 (ex WWW), ESOC2020, KEOD2020, ICTERI2020, ER2020, WISE2020, KR2020, SETN2020, TPDL2020  
**2019:** WWW2019, ESWC 2019, ISWC 2019, ICTERI 2019, WISE 2019, TPDL 2019, CIKM 2019  
**2018:** WWW2018, SETN 2018, ISWC 2018, TPDL 2018, AMI 2018  
**2017:** WWW2017, JCDL 2017, ICServ 2017, LWDM 2017, TPDL 2017, ISWC 2017, ESWC 2017, ODBASE 2017, CommonSense 2017  
**2016:** WWW2016, SOFSEM16, SETN 2016, ESWC2016, DIACHRON 2016, JCDL 2016, TPDL 2016, ISWC 2016, ODBASE 2016, COOPIS 2016  
**2015:** SOFSEM 15, ESWC 2015, WWW 2015, CommonSense 2015, JCDL 2015, TPDL2015, ODBASE 2015, DIACHRON 2015  
**2014:** CAISE 2014, ESWC 2014, WISE 2014, ISWC 2014, ODBASE 2014  
**2013:** CAISE 2013, ER 13, ESWC 13, WISE 2013, WISM 2013, ISWC 2013  
**2012:** CAISE 2012, ER 12, ESWC 12, WISE 2012  
**2011:** ESWC 11, ER 11, WISE 2011, SOFSEM 11  
**2010:** ISWC 10, ER-10, EDBT-10, WISE-10, SOFSEM-10  
**2009:** ICDE 09, ER 2009, ECDL 2009, AP2PC 09, EDBT09  
**2008:** WWW08, ESWC 08, ER-08, WISM-08, DBISP2P-08  
**2007:** IJCAI07, WWW07  
**2006:** KR06, ICDE06, SWDB06, CEC06, AP2PC06, WIDM06, ISWC06, DEXA06, CCAI06, SOFSEM06, HDMS06  
**2005:** WWW05, ISWC05, WISE05, ER05, ICDOC05, AP2PC05, SOFSEM05, HDMS05  
**2004:** AAAI04, WWW04, ER04, AP2PC04, ICDOC04, WISE04, SETN04, SAC04, SOFSEM04, WSG04, AIMSA04, SWSWPC04, DBA04, DBISP2P04, HDMS04  
**2003:** WWW03, ICDOC03, DBISP2P03, SWDB03, WISE03, WebDB03, FLAIRS03, DEXA03, AP2PC03, HDMS03, CAISE03  
**2002:** CAISE02, AP2PC02, ISWC02, HDMS02, EuroWeb02, DEXA02, NGITS02, SETN02, FLAIRS02  
**2001:** SWWS01, PLS01, IWSW01  
**2000:** IWSW00

## ΥΠΗΡΕΣΙΑ ΚΑΙ ΣΥΜΜΕΤΟΧΗ ΣΕ ΑΛΛΕΣ ΕΠΙΤΡΟΠΕΣ

- [Απρίλιος 2020 – σήμερα] *Εθνικός Εκπρόσωπος*, ESFRI Strategic Group on Data, Computing and Digital Research Infrastructures
- [Νοέμβριος 2020 – σήμερα], *Πρόεδρος*, Τομεακό Επιστημονικό Συμβούλιο Επιστήμης Υπολογιστών και Πληροφορίας, Εθνικό Συμβούλιο Έρευνας και Καινοτομίας
- [Απρίλιος 2018 – Ιούλιος 2019], *Αντιπρόεδρος*, Τομεακό Επιστημονικό Συμβούλιο στα Μαθηματικά και τις Επιστήμες της Πληροφορίας, Εθνικό Συμβούλιο Έρευνας και Καινοτομίας
- [Ιανουάριος 2012 – σήμερα] *Επικεφαλής του Εργαστηρίου Πληροφοριακών Συστημάτων*, Ινστιτούτο Πληροφορικής, Ίδρυμα Τεχνολογίας και Έρευνας

- [Μάρτιος 2014 – Φεβρουάριος 2017] *Πρόεδρος*, Επιστημονικό Συμβούλιο, Εθνικό Κέντρο Τεκμηρίωσης, (ορισμός από το Υπ. Παιδείας, Γενική Γραμματεία Έρευνας και Τεχνολογίας
- [2012 – σήμερα] *Μέλος Διοικητικού Συμβουλίου*, European Research Consortium on Informatics and Mathematics (ERCIM AISBL and ERCIM EEIG), Chair of the Science Task Group; Member of the ERCIM EEIG Executive Committee
- [Ιούνιος 2016 – Αύγουστος 2020] *Πρόεδρος*, Επιτροπή Νέων Τεχνολογιών του Παν. Κρήτης
- [Μάιος 2015 – σήμερα], *Μέλος Διοικητικού Συμβουλίου ΕΔΑΠ ΑΕ*, Εταιρίας Διαχείρισης του Επιστημονικού και Τεχνολογικού Πάρκου Κρήτης
- [Σεπτέμβριος 2006 – Αύγουστος 2010] *Πρόεδρος*, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης. Μέλος της Συγκλήτου
- [Δεκέμβριος 2009 – Δεκέμβριος 2013] *Διευθυντής* του Εργαστηρίου Επεξεργασίας Δεδομένων και Επικεφαλής του Κέντρου Υπηρεσιών και Τεχνολογιών Πληροφορικής και Επικοινωνιών του Πανεπιστημίου Κρήτης
- [2014 – 2016] *Μέλος* της Επιτροπής Μεταπτυχιακών Σπουδών, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης
- [2003 – 2006] *Συντονιστής* Μεταπτυχιακών Σπουδών και *Πρόεδρος* Επιτροπής Μεταπτυχιακών Σπουδών, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης
- [2003 – 2006] *Μέλος* της Επιτροπής Μεταπτυχιακών Σπουδών, Πανεπιστήμιο Κρήτης
- [Νοέμβριος 2003 – Οκτώβριος 2007] *Πρόεδρος*, ERCIM Working Group on the Semantic Web
- Μέλος της Επιτροπής Μεταδιδακτορικών Υποτροφιών ERCIM
- Μέλος του ERCIM Projects Task Group
- Μέλος της Επιτροπής Βιβλιοθήκης, Ινστιτούτο Πληροφορικής, ΙΤΕ
- Αξιολογητής ερευνητικών προτάσεων, ICT Programme FP6, FP7, H2020 (served also as panel rapporteur or vice-chair)
- Αξιολογητής ερευνητικών προτάσεων, ERC Advanced Grants
- Αξιολογητής ερευνητικών προτάσεων, EPSRC, UK
- Αξιολογητής ερευνητικών προτάσεων, Πρόγραμμα Πυθαγόρας, Υπουργείο Παιδείας
- Αξιολογητής ερευνητικών προτάσεων, Πρόγραμμα «Ερευνώ – Δημιουργώ – Καινοτομώ», ΓΓΕΤ
- Αξιολογητής άρθρων περιοδικών: ACM Transactions on Database Systems, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Software Engineering, Computational Intelligence, Applied Intelligence, Journal of Intelligent Information Systems, IEEE Intelligent Systems, Journal of Distributed and Parallel Databases, the Computer Journal, Data and Knowledge Engineering, Information Systems, Journal of Data Semantics, Journal of Web Semantics, IEEE Transactions on Services Computing, ACM Transactions on the Web, Journal of Theory and Practice of Logic Programming, Journal of Web Semantics, Journal of Data Semantics
- Αξιολογητής Προτάσεων Βιβλίων, Morgan-Kaufmann Publishers
- Αξιολογητής ερευνητικών προτάσεων, Austrian Research Council and the Irish Research Council
- Μέλος ACM (Senior grade), IEEE, AAAI
- Μέλος της Ελληνικής Εταιρίας Τεχνητής Νοημοσύνης

## ΕΠΙΒΛΕΨΗ ΦΟΙΤΗΤΩΝ

Το έργο που περιγράφεται στις παρακάτω διδακτορικές διατριβές και στις περισσότερες μεταπτυχιακές εργασίες εκτελέστηκε στο εργαστήριο Πληροφοριακών Συστημάτων του Ινστιτούτου Πληροφορικής (ΙΠ) του Ιδρύματος Τεχνολογίας και Έρευνας (ΙΤΕ), και υποστηρίχθηκε οικονομικά μέσω μεταπτυχιακής υποτροφίας από το ΙΤΕ-ΙΠ.

**I. Διδακτορικές Διατριβές που έχουν ολοκληρωθεί:** Γ. Τρουλλινού (συνεπίβλεψη με Χ. Κονδυλάκη, απονομή διδακτορικού το Μάρτιο 2024), Κ. Παπαντωνίου (συνεπίβλεψη με Γ. Φλουρή, απονομή διδακτορικού το Μάρτιο 2024), Α. Δουγαλής (απονομή διδακτορικού τον Ιούλιο 2023), Κ. Βάρσος (συνεπίβλεψη με Γ. Φλουρή, απονομή διδακτορικού τον Ιούλιο 2023), Ε. Γενιτσαριδη (συν-επίβλεψη με Π. Σιδηρόπουλο), Δ. Ζωγραφιστού (συν-επίβλεψη με Γ. Φλουρή, απονομή διδακτορικού τον Δεκέμβριο του 2019), Χ. Ζεγνίνης (απονομή διδακτορικού τον Νοέμβριο του 2014), Γ. Μπαργιάννης (απονομή διδακτορικού τον Νοέμβριο του 2014), Χ. Κονδυλάκης, (απονομή διδακτορικού τον Νοέμβριο του 2010), Θ. Πάτιος (απονομή διδακτορικού τον Νοέμβριο του 2010), Κ. Κρητικός (απονομή διδακτορικού τον Οκτώβριο 2008), Γ. Φλουρής (απονομή διδακτορικού τον Ιούλιο 2006), Ν. Παπαδάκης (απονομή διδακτορικού τον Ιούλιο 2004).

**II. Διδακτορικές Διατριβές σε εξέλιξη:** Ζ. Asma, Α. Αυγουστάκη, Φ. Γουϊδης, Μ. Παπαμιχαήλ.

**III. Μεταπτυχιακές Εργασίες (ΜΔΕ) που έχουν ολοκληρωθεί:** W. Cowley, Σ. Αλεξάκη (συνεπίβλεψη με Β.Χριστοφίδη), Π. Δουλγεράκη, Γ. Φλουρής, Γ. Καρβουναράκης (συνεπίβλεψη με Β. Χριστοφίδη), Κ. Κούβαρης, Ν. Παπαδόπουλος, Α. Δαμαλά, Ε. Κατινιού, Β. Λίπα, Ε. Κατζαγιαννάκη, Α. Τζορμπατζάκη, Α. Μαγκαναράκη (συνεπίβλεψη με Β. Χριστοφίδη, Π. Κωνσταντόπουλο), Σ. Τουρτούνης, Ρ. Καφτάκη, Ν. Δημόκας, Θ. Πάτιος, Α. Μισαργόπουλος, Μ. Παπαγγελής, Β. Αλεβίζου, Ν. Ξανθόπουλος, Κ. Κουριάτη, Κ. Αθανασάκη, Δ. Μανικανάτας, Χ. Κονδυλάκης, Ι. Ρουσιδης, Π. Τζιάβας, Γ. Πάπαρης, Ι. Ζήκου, Ι. Χρυσάκης, Θ. Κουτσοράς, Ε. Νικολοδάκης, Ε. Κριτωτάκης, Δ. Βελεγράκης, Χ. Ζεγνίνης, Γ. Μπαργιάννης, Λ. Κριαρά, Μ. Καλαϊτζάκη, Ι. Ανδρουλάκης, Ι. Ταμπάκης, Ε. Ρανούτσου, Γ. Λιναρδάκης, Ε. Φιλιπούλου, Ι. Μακρυδάκης, Γ. Χατζηβασίλης, Ε. Δασιαλάκη, Κ. Κονσολάκη, Η. Ταχματζίδης, Γ. Τρουλλινού, Χ. Στρομπούλης, Χ. Τζαγιαράκης, Μ. Κουτράκη, Δ. Ζωγραφιστού, Β. Παπακωνσταντίνου, Ο. Συμυράκη, Μ. Σκουραδάκη, Ε. Παπαδάκης, Τ. Σαβέτα, Ε. Μιχαήλ, Α. Αυγουστάκη, Η. Διάκος, Δ. Μεταλλίδης, Κ. Δημητράκη, Ι. Ραμουτσάκη, Φ. Γουϊδης, Β. Τζικιούλης, Ε. Υμεράλλη, Α. Παππάς, Π. Λιλιθσης, Β. Γλαμπεδάκης, Μ. Στρατήγη, Ν. Τσαμπανάκη, Γ. Χόμπης, Ν. Ζουρμπάκης, Ι. Αγαθάγγελος, Κ. Κρεατσούλας, Π. Μπασινά, Ε. Πολιτάκη, Π. Ζερβουδάκης, Ν. Καρδουλάκης, Β. Χανιωτάκης, Π. Μπαριτάκης, Φ. Αλεβιζάκης, Κ. Μελαδάκης, Χ. Πρασατζάκης, Δ. Ντάνης, Σ. Κούμουρου.

**IV. Μεταπτυχιακές Εργασίες (ΜΔΕ) σε εξέλιξη:** Α. Αγγουράκης, Κ. Καμπάδας.

**V. Πτυχιακές Εργασίες:** έχουν ολοκληρωθεί περισσότερες από 150 πτυχιακές εργασίες υπό την επίβλεψή μου.

**VI. 3-μελείς και 7-μελείς Επιτροπές Διδακτορικών Διατριβών:** D. McClurkin, Ε. Θεοδωράκης, Ι. Τζίτζικας, Ε. Μαραζάκης, Ι. Ρεφανίδης (ΑΠΘ), D. Toman (Kansas State Univeristy), J. Broekstra (Vrije University Amsterdam), Α. Μπιάκης, Π. Παπαδάκος, Ι. Λιλής, Π. Ραυτοπούλου (Πολυτεχνείο Κρήτης), Β. Λίπα, Ν. Παρταράκης, Σ. Τριανταφύλλου, Σ. Μπατσάκης (Πολυτεχνείο Κρήτης), Α. Λεωνίδης, Σ. Ντοά, Mohamed Hilia (Univ. Paris-Est Creteil), Α. Σκαρλατίδης (Παν. Πειραιά), Θ. Σταυρόπουλος (ΑΠΘ), Β. Ευθυμίου, Μ. Σκουραδάκη (Univ. Stuttgart), Γ. Βουλouκάκης (INRIA), Γ. Μαργέτης, Γ. Μπορμπουδάκης, Κ. Μπερέτα (Πανεπιστήμιο Αθηνών), Μ. Μουνταντωνάκης, Δ. Μπιλιντας (Πανεπιστήμιο Αθηνών), Α. Παπαϊωάννου, Α. Βασιλειάδης (ΑΠΘ), Ν. Λυδατάκης, Ε. Γερονικολάκης, Β. Μανουσάκη, Κ. Μπαχαρίδης, Μ.-Ε. Παπαδάκη.



## ΕΡΕΥΝΗΤΙΚΕΣ & ΑΝΑΠΤΥΞΙΑΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ - ΠΡΟΩΘΗΣΗ ΚΑΙΝΟΤΟΜΙΑΣ

Συντονισμός των δραστηριοτήτων του Ινστιτούτου Πληροφορικής και του Εργαστηρίου Πληροφοριακών Συστημάτων με σκοπό την αξιοποίηση ώριμων ερευνητικών αποτελεσμάτων. Επιπλέον των έργων / συστημάτων που αναφέρονται παρακάτω, έλαβα την πρωτοβουλία του επανασχεδιασμού και ψηφιακού μετασχηματισμού πολλών διαδικασιών του Ινστιτούτου Πληροφορικής αλλά και της Κεντρικής Διεύθυνσης του ΓΤΕ με στόχο τη βελτίωση της διαχείρισης συμβολαίων, ταξιδιών, προετοιμασίας και προέγκρισης προτάσεων, διαχείριση δικτυακών τόπων και επόπτευσα την υλοποίηση των υποστηρικτικών πληροφοριακών συστημάτων.

Επίσης ανέλαβα την πρωτοβουλία της προώθησης των δραστηριοτήτων ερευνητικών εργαστηρίων του Ινστιτούτου με προοπτική τη δημιουργία τεχνοβλαστών και την προσέλκυση επενδυτικών κεφαλαίων.

- Η εταιρία *OramaVR* είναι τεχνοβλαστός του Ινστιτούτου Πληροφορικής (ιδρύθηκε το 2016) που δραστηριοποιείται στο χώρο της εικονικής πραγματικότητας για την εκπαίδευση ιατρών (χειρουργών), έχει σημαντικές εμπορικές δραστηριότητες, έχει προσελκύσει χρηματοδότηση από VCs και πρόσφατα εγκαταστάθηκε στην Ελβετία.
- Η εταιρία *Exaphys* είναι μια νεοφυής επιχείρηση στο χώρο της σχεδίασης υλικού στην οποία συμμετέχει προσωπικό του Ινστιτούτου (εργαστήριο Αρχιτεκτονικής Υπολογιστών).
- Η εταιρία *CodeBGP* ιδρύθηκε από μέλη του εργαστηρίου Τηλεπικοινωνιών και Δικτύων και ο τομέας δραστηριότητας της εταιρείας είναι η Ασφάλεια Δικτύων. Η εταιρεία εξαγοράστηκε από την εταιρία CISCO/ThousandEyes το καλοκαίρι του 2023.
- Η *TraQBeat* είναι μια νεοφυής επιχείρηση στην οποία συμμετέχει προσωπικό του Ινστιτούτου. Η εταιρεία δραστηριοποιείται στον τομέα της Ανάλυσης Βιοσημάτων με τη χρήση φορητών συσκευών.
- Η εταιρία *SceneOpsis* είναι τεχνοβλαστός του Ινστιτούτου Πληροφορικής (Εργαστήριο Υπολογιστικής Όρασης και Ρομποτικής). Ιδρύθηκε το 2023 με στόχο την ανάπτυξη μεθόδων και εργαλείων για σύνθεση 3-d εικόνων χρησιμοποιώντας τεχνικές νευρωνικών δικτύων με αποτέλεσμα την ανακατασκευή σκηνών υψηλής πιστότητας.
- Η εταιρία *Ypsilon Care Tech* είναι τεχνοβλαστός του Ινστιτούτου Πληροφορικής (Εργαστήριο Υπολογιστικής Βιοϊατρικής, Κέντρο Εφαρμογών και Υπηρεσιών Ηλεκτρονικής Υγείας). Ιδρύθηκε το 2024 με στόχο την προώθηση και περαιτέρω ανάπτυξη ηλεκτρονικών εφαρμογών του Κέντρου.

**[FORTH Enterprise-level E-Services Suite]** Suite of electronic services for the support of administrative processes. The suite implements and provides electronic forms and workflows for the fulfillment of administrative processes including procurement, ticketing systems, electronic protocol, timesheets, proposal submission, user management, vacation / leave requests, conference room booking, GDPR compliance and others.

**[CAPrice]** FORTH-ISL is running the CAPrice Community Initiative (<https://www.caprice-community.net/>), an effort to raise citizens' awareness on matters related to privacy in the digital world. As part of this initiative, the ongoing CAP-A project developed and provides a collective intelligence platform that empowers individuals to ask for a more privacy conscious behavior by mobile apps (<https://islics.forth.gr/cap-a-portal/>). Users can express their expectations about the privacy requests of apps, share articles or even help visualize GDPR-related aspects found in the Privacy Policy documents of apps, so that the rest of the community can quickly check the small print.



**[APOPSIS]** A Web-based Platform for the Analysis of Structured Dialogues. APOPSIS is a web platform for modeling and analyzing argumentative discussions by offering different means of opinion analysis, allowing the participants to obtain a complete picture of the validity, the justification strength and the acceptance of each individual opinion. The system applies a semantic representation for modeling the user-generated arguments and their relations, a formal framework for evaluating the strength value of each argument and a collection of Machine Learning algorithms for the clustering of features and the extraction of association rules.

**[RDF Digest]** A summarization engine for RDF schemas. The system accepts as input large and possibly distributed RDF Schemas and/or Ontologies and produces summaries in the form of directed graphs by taking into account both schema and instance information, using structural and semantic properties and measures such as node centrality and instance weighing (under development).

**[Methinks]** A web-based system for the management of comments submitted by users on websites selling or aggregating goods or services. The system is able to provide users with different views on the comments submitted. Views are generated based on criteria related to the argumentation included in the comments and the strength of opinion expressed. The system has a strong foundation on argumentation theory (under development). Discussions for the commercial exploitation of the developed technology are underway.

**[Sommelier]** A rule-based recommendation system for wines based on food characteristics and user preferences (under development).

**[Herodicus]** An application that can instruct humans to successfully perform physical exercises, by expressing all possible positions and gestures in a logical context (under development).

**[Exelixis]** A data integration system that enables and exploits ontology evolution. The system provides algorithms for rewriting queries among different ontology versions and for producing the set of maximally-contained rewritings for the sources.

**[RDFSuite]** A suite of tools for managing RDF metadata. The architecture comprises: (a) VRP, the first validating RDF parser supporting semantic validation of RDF resource descriptions and schemas, (b) RSSDB, the First RDF Store using schema knowledge to automatically generate an Object-Relational (SQL3) representation of RDF metadata and load resource descriptions, and, (c) RQL, the First Declarative Language for uniformly querying RDF schemas and resource descriptions.

**[CONFIOUS]** A web-based conference management system offering advanced functionality for supporting the reviewing process. Features of the system include: automatic assignment of papers to reviewers using conflict detection, multi-level committees, multiple conference tracks, virtual committee meetings.

**[CYCLADES]** A service mediation middleware architecture for supporting the dynamic user community management and the interoperation of services in the framework of CYCLADES. CYCLADES supports services for collection management, information retrieval, filtering and recommendation, collaborative work over digital archives participating in an open, extensible framework. The mediator service provides for inter-service communication, the addition of services to CYCLADES and maintains user and community information and access rights.

**[PrognoChip Mediator]** The Mediator component of the PrognoChip Integrated Clinico-Genomics Environment (ICGE) enables the integration of the clinical and genomic information subsystems. The biomedical investigator can form clinico-genomic queries through the web-based

graphical user interface of the Mediator. This is split into several query forms, allowing cancerous sample selection (along with their associated gene expression profiles and patient characteristics), based on criteria of interest. After a query is formed, the Mediator translates it into an equivalent set of local sub-queries, which are executed directly against the constituent databases. Then, results are combined for presentation to the user and/or transmission to the Data Mining tools for analysis. The mediator works in conjunction with an automatic schema mapping tool and a query system (QUETE) for distributed sources.

**[SEMPHONIA]** SeMPHoNIA is an architecture for an agent-based marketplace, utilizing knowledge from RDF product repositories, in an open peer-to-peer environment. The platform defines the basic stages of the process of e-trading, facilitating users in closing deals in an automated manner. The implementation of our approach is demonstrated in the context of auction scenarios. The platform is designed to be highly extensible, in order to allow experimentation with the technologies involved.

**[ECTourism]** A middleware architecture for supporting value-added e-commerce services in the context of the ECTourism project. The architecture permits the on-line composition of basic tourism services (such as hotel reservations, ferry-boat reservations, etc.) that are provided by tourism service providers and middle agents and is open and scalable.

## ΓΝΩΣΗ ΞΕΝΩΝ ΓΛΩΣΣΩΝ

Αγγλικά, Γαλλικά

## ΆΛΛΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

Αγωνιστικό Bridge