CURRICULUM VITAE

NEKTARIOS GIOLDASIS

COMPUTER SCIENTIST

Personal Information

Name:	Nektarios Gioldasis
Proffession:	Computer Scientist
Date of birth:	31 august 1975
Place of birth:	Agrinio
Address:	Aroni Akrotiriou, Chania, Crete, Greece
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Education

2002: **Master of Computer Engineering.** Department of Electronic & Computer Engineering, Technical University of Crete
Thesis Title: "UTML: Unified Transaction Modeling Language"
Supervisor: Professor Stavros Christodoulakis
Thesis Summary:
This thesis proposes UTML (Unified Transaction Modeling Language) as a high level transaction modeling language for the design of complex structured transactions of web applications and services. The language comprises a flexible and extensible transaction meta-model and a UML compatible notation system. It accommodates most of the existing transaction models as well as new ones according to the application's requirements. The final design can be exported into XML format providing thus the ability to directly describe transactional web services.

1999: **Diploma in Computer Science**. Department of Applied Informatics, University of Macedonia
Average Grade of Diploma: « 7.92 out of 10»
Diploma Thesis Title: "Development of an Electronic Book for the Architecture of Personal Computers, their Hardware and their Operating Systems"
Grade of Diploma Thesis: 10.
Supervisor: Supervisor Konstantinos Margaritis
Laboratory: Parallel and Distributed Processing

1993: **Graduate of General Lyceum of Paravola, Agrinio**

Distinctions

2003: Scholarship from the Greek Ministry of Education in the scope of the HERAKLITOS Programme for PhD on Web Long-Lived Transaction Management
2002: Scholarship from the National Institute of Scholarships (Reward of the Highest Graduation in the Master Course of the Technical University of Crete.
2001: Scholarship from the Special Account of Research Budget of the Technical University of Crete for the period March to June.

Postgraduate Studies - Grades

1. Development of Interactive Web Applications. Grade 10/10
2. Advanced Multimedia Information Systems. Grade 10/10

3. Special Issues in Artificial Intelligence. Grade 9,5/10

PROFESSIONAL EXPERIENCE

2006-Now: Permanent Staff at the Laboratory of Distributed Information Systems and Applications (www.music.tuc.gr) of the Technical University of Crete (www.tuc.gr). Duties include:
1. Teaching assistance to the undergraduate and postgraduate courses: a) Object-Oriented Programming, b) Information, Semantics, and Services in the Web, c) Human–Computer Interaction, d) Web Information System.
2. Co-supervision of student Diploma Works
3. Maintenance & administration of institutional or departmental infrastructures like the department's digital library, the Laboratory's web site, and the BSEC education portal offered by TUC.
4. Participation to TUC's R&D projects.
Projects Participation: FP7: *Natural Europe*, FP6: *DELOS II Network of Excellence***.**

2002-2005: Research and Teaching Assistant at the Laboratory of Distributed Information Systems and Applications of the Technical University of Crete. Teaching assistant to under and post graduate courses "Web Information Systems & Applications", "Information, Semantics, and Services in the Web". Participation to the **DBE (Digital Business Ecosystems)** FP6 IP project.

2001-2002: Technical Manager in the European Research Program **UWA (Ubiquitous Web Applications)** on behalf of the Laboratory of Distributed Information Systems and Applications (www.music.tuc.gr) of the Technical University of Crete (www.tuc.gr).
Teaching Assistant on undergraduate and postgraduate courses in the Department of Electronic and Computer Engineering in the Technical University of Crete.

1999-2000: Design and Development of Information System for the Intersalonica's representative to Agrinio.

1999-2000: Teacher at IEK ΠΑΣΤΕΡ, Thessaloniki.

1999: Design and Development of the Precious Company Web Site (www.precious.gr).
Design and Development of a Multimedia Application about the Antikythera Mechanism.
Design and Development of a Multimedia Application for the Home Creation Company.

1998: Employment in the Company DataWorks (Thessaloniki).

EXPERIENCE & QUALIFICATIONS

– Analysis, modeling, and design of distributed systems and web applications.

– Modeling of Business Processes and Workflows (**BPML, WFMC specifications, etc.**).

– International Software Design Standards.

– Standards and Specifications for Web Services.

– Design and Implementation of Web Services and Applications.

– Management of European and Hellenic R & D projects.

– Writing of Proposals for European (IST, ESPIRIT, Leonardo Da Vinci, etc.) & Hellenic (ΚτΠ, ΓΓΕΤ, ΕΠΕΑΕΚ, etc.) R & D projects.

– Writing of Technical Reports and state-of-the-art reports.

– Writing of Scientific Articles and Research Papers.

– Presentations to wide audience either in English or in Greek.

– International Standards for Transaction Processing and Management in distributed systems (**X/Open, OTS, CORBA).**

RESEARCH INTERESTS

- Linked Open Data & Digital Libraries
- Semantic Web Technologies & Semantic Interoperability
- Web Services – Architectures and Standards
- Transaction Processing in Ubiquitous Web Applications
- Extended Transaction Management and Processing
- E-Business (B2C, B2B, Virtual Enterprises) and E-government
- Distributed Systems and Applications
- Multi-tier Web Architectures and Transaction Management

PUBLICATIONS

2010
20. Makris *K.,* Gioldasis N., Bikakis N., Christodoulakis S. *"Ontology Mapping and SPARQL Rewriting for Querying Federated RDF Data Sources"*, In the Proceedings of the 9th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE), 2010

19. Stavrakantonakis G., Tsinaraki C., Bikakis N., Gioldasis N., Christodoulakis S. *"SPARQL2XQuery 2.0: Supporting Semantic-based Queries over XML Data",* In the Proceedings of the 5th International Workshop on Semantic Media Adaptation and Personalization (SMAP) 2010

2009
18. Bikakis N., Gioldasis N., Tsinaraki C., Christodoulakis S.: "***Semantic Based Access over XML Data***", In the Proceedings of the 2nd World Summit on the Knowledge Society, Crete, Greece 2009

17. Makris K., Bikakis N., Gioldasis N., Tsinaraki C., Christodoulakis S.: "***Towards a Mediator based on OWL and SPARQL***", In the Proceedings of the 2nd World Summit on the Knowledge Society, Crete, Greece 2009

16. Bikakis N., Gioldasis N., Tsinaraki C., Christodoulakis S."***Querying XML Data with SPARQL***", In the proceedings of the 20th International Conference on Database and Expert Systems Applications DEXA 2009

2008
15. Ntousias A., Gioldasis N., Tsinaraki C., Papa M., Christodoulakis S., "***Rich Metadata and Context Capturing through CIDOC/CRM and Mpeg-7 Interoperability***", In the Proceedings of the ACM International Conference on Image and Video Retrieval (CIVR), Niagara Falls, Canada, July 7-9 2008

2007
14. *Ntousias A., Gioldasis N., and Christodoulakis S.:* "**Semantic Interoperability Support between Cultural and Multimedia Environments**", DELOS Conference, Tirrenia, Italy, December 2007

13. *Ntousias A., Gioldasis N., Tsinaraki C., and Christodoulakis S.:* "**Exploiting Cultural Heritage Documentation in Semantic Multimedia Annotations**", in the Proceedings of the 2nd IEEE International Workshop on Semantic Media Adaptation and Personalization (SMAP 2007), London, UK, December 17-18, 2007.

12. *Binding C., Brettlecker G., Catarci T., Christodoulakis S., Crecelius T., Jetter H., Gioldasis N., Kacimi M., Milano D., Ranaldi P., Reiterer H., Santucci G., Schek H., Schuldt H., Tudhope D., Weikum G.,:* "**DelosDLMS: Infrastructure and Services for Future Digital Library Systems**", 2nd DELOS Conference On Digital Libraries, Tirrenia, Italy, December 2007

11. *Pappas N., Kazasis F., Anestis G., Gioldasis N., Christodoulakis S.:* "**A Knowledge Management Platform for Supporting Digital Business Ecosystems based on P2P and SOA technologies**", IEEE International Conference on Digital Ecosystems and Technologies, Feb. 2007 Cairns Australia

10. *Gioldasis N., Dakanalis T., Anestis G., Pappas N., Kazasis F., Christodoulakis S.:* "**SSLE: A Language and an Interactive Editor for the Semantic Description of Services in MOF Architectures**", IEEE International Conference on Digital Ecosystems and Technologies, Feb. 2007 Cairns Australia.

2004
09. Kazasis F., Gioldasis N., Pappas N., Anestis G., Christodoulakis S.: "**MOF-based Knowledge Management for a Digital Business Ecosystem**", 2nd IST Workshop on Metadata Management in Grid and P2P Systems (MMGPS): Models, Services and Architectures, December 2004

08. Gioldasis N., Pappas N., Kazasis F., Anestis G., Christodoulakis S.: "**A P2P and SOA infrastructure for Distributed Ontology-Based Knowledge Management**", In the Proceedings of the 1st Workshop of the DELOS II EU NoE on Digital Library Architectures, June 24-25 2004, Cagliari, Italy.

2003
07. Gioldasis N., Moumoutzis N., Kazasis F., Pappas N., Christodoulakis S.: "**A Service Oriented**

Architecture for Managing Operational Strategies", In the proceedings of the International Conference on Web Services (ICWS Europe '03), NetObjectDays, Germany, September 2003

2002   *06. Nektarios Gioldasis* "**UTML: Unified Transaction Modeling Languag***e"*, M.Eng. Thesis, Technical University of Crete, October 2002

05. Nektarios Gioldasis, Stavros Christodoulakis, "**UTML: Unified Transaction Modeling Languag***e"*, accepted and will be presented as a regular research paper in the 3rd International Conference on Web Information Systems Engineering (WISE), Singapore, December 2002.

04. Nektarios Gioldasis, Stavros Christodoulakis and the UWA Consortium, "**Ubiquitous Web Applications**", accepted and will be presented in the 12th European Conference on e-Business and e-Work (EBEW), Prague, October 2002

03. Nektarios Gioldasis, "**UTML: Unified Transaction Modeling Language**", a **Doctoral poster** in the Proceedings of 28th International Conference on Very Large DataBases – (VLDB) 2002, Hong Kong - China, August 2002

02. Nektarios Gioldasis, Stavros Christodoulakis. "**Transaction Modeling for Web Applications and Services**", in the proceedings of the 1st Hellenic Data Management Symposium (HDMS 02), Athens, July 2002.

01. Nektarios Gioldasis, Stavros Christodoulakis and the UWA consortium, "**The UWA Approach to Modeling Ubiquitous Web Applications**", a paper in the Proceedings of the European Conference on Mobile IST and Wireless Telecommunications, Thessaloniki, June 2002

DIPLOMA WORKS CO-SUPERVISED

09. Stavrakantonakis I.:
"Interoperability support between OWL 2.0 and XML environments", 2011

08. Makris K.:
"SPARQL Rewriting for Query Mediation over Mapped Ontologies", 2010

07. Georgaraki A.:
"OWL & SPARQL based Mediator for Integration of OWL/RDF Information Sources", 2010

06. Rosiou D.:
"Dynamic Creation & Management of Web Charts", 2009

05. Bikakis N.:
"Supporting Semantic Queries over XML Databases", 2009

04. Ntousias A.:
"A System for Semantic Interoperability Between Cultural and Multimedia Applications", 2008

03. Giannopoulos N.:
"Design and Impl. of GRAMOFONE: A MOF-based graphical ontology management tool", 2005

02. Darakis Ch.:
"Implementation and Enhancement of a Virual Community System: The COMISM Model", 2005

01. Koziri M.:
"Design and Impl. of a Tool for Supporting Web Transaction Design With UTML and Evaluation of the UTML in Designing Complex Web Applications", 2002

LANGUAGES SPOKEN

Very good knowledge of the English Language (Lower and TOEFL).