

CURRICULUM VITAE

of
Nikolaos Simou

National Technical University of Athens (NTUA)
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<u>PERSONAL DATA:</u>	Name: Nikolaos Simou Date/Place of birth: 26 th of January 1981, Athens, Greece Permanent Address: Poleos Prokopiou 10, Nikea, 18450 Phone Number: 210-4917797 Mobile: 6942602794 E-mail: nsimou@image.ece.ntua.gr
<u>CITIZENSHIP:</u>	Greek
<u>FOREIGN LANGUAGES:</u>	English

EDUCATION:

National Technical University of Athens (NTUA): 2004 - Today

Image Video and Multimedia Laboratory (IVML)

PhD Candidate, NTUA

University of Sussex: September 2002 - June 2003

Master of Science in Evolutionary and Adaptive Systems,

funded by Engineering and Physical Sciences Research Council (EPSRC)

Dissertation: Co-evolution of a backgammon player

GPA :59.19

University of Sussex: September 1999 - June 2002

Bachelor in Computer Systems Engineering

Dissertation: Java-based backgammon game using intelligent algorithms

GPA: 70.6/100 (First Class)

University of Sussex: September 1998 - June 1999

Foundation Year for Physics & Engineers
GPA:81.9

COMPUTER EXPERTISE:

Operating Systems:

Ms Dos, Windows 2000, Windows XP, Windows Vista

Programming Languages:

Java ,C, C++, C#, HTML, Javascript, LaTeX, Pascal, Prolog, Visual Basic.

Software Packages

3D-Studio Max, Borland CBuilder, Borland JBuilder, Matlab, Microsoft Visual Studio, Simulink, PSpice

Microsoft Software:

MSOffice: Access, Excel, FrontPage, PowerPoint, Outlook, Visio, Word

RESEARCH PROJECTS:

January 2006 - Today

IST, 6th Framework, “K-Space - Knowledge Space of semantic inference for automatic”

December 2005 - Today

GEGET: “Analysis of multimedia content with use of evolutionary ontologies and application in television bulletins of news”

January 2004 - Today

IST, 6th Framework, “aceMedia - Integrating knowledge, semantics and content for user centered intelligent media services”

May 2003 - January 2004

IST, 5th Framework, “*FAETHON*, Unified Intelligent Access to Heterogeneous Audiovisual Content”

TEACHING EXPERIENCE:

Image Video and Multimedia Laboratory (IVML)

Lab assistant: “Neural Networks”

Academic Year: 2004 - 2005, 2005 – 2006, 2006 – 2007

Image Video and Multimedia Laboratory (IVML)

Lab assistant: “Computer Graphics”

Academic Year: 2004 – 2005

Image Video and Multimedia Laboratory (IVML)

Lab assistant: “Introduction to programming”

Academic Year: 2004 – 2005

RESEARCH INTERESTS:

- Knowledge representation under certain and uncertain data
- Description Logics- Fuzzy Description Logics
- Tableaux reasoning algorithms
- Tableaux-Optimization techniques
- DLs and Relational Databases
- Queries on knowledge bases
- Knowledge-assisted multimedia analysis

PUBLICATIONS:

Journals

- K. Petridis, S. Bloehdorn, C. Saathoff, N. Simou, S. Dasiopoulou, V. Tzouvaras, S. Handschuh, Y. Avrithis, I. Kompatsiaris and S. Staab, "Knowledge Representation and Semantic Annotation of Multimedia Content", IEE Proceedings on Vision Image and Signal Processing, Special issue on Knowledge-Based Digital Media Processing, Vol. 153, No. 3, pp. 255-262, June 2006.
- G. Stoilos, N. Simou, G. Stamou and S. Kollias, "Uncertainty and the Semantic Web", IEEE Intelligent Systems, 21(5), p. 84-87, 2006

Books

- S. Bloehdorn, K. Petridis, C. Saathoff, N. Simou, V. Tzouvaras, Y. Avrithis, S. Handschuh, Y. Kompatsiaris, S. Staab and M. G. Strintzis, "Semantic Annotation of Images and Videos for Multimedia Analysis", Lecture Notes in Computer Science – The Semantic Web: Research and Applications, Springer, Vol. 3532, 2005, pp. 592-607

Conferences

- N. Simou, Th. Athanasiadis, V. Tzouvaras, S. Kollias, "Multimedia Reasoning with f-SHIN", 2nd International Workshop on Semantic Media Adaptation and Personalization, London, December 17-18, 2007, London, United Kingdom
- J. Nemrava, P. Buitelaar, N. Simou, D. Sadlier, V. Svatek, T. Declerck, A. Cobet, T. Sikora, N. O'Connor, V. Tzouvaras, H. Zeiner, J. Petrak, "An Architecture for Mining Resources Complementary to Audio-Visual Streams", Knowledge Acquisition from Multimedia Content Workshop, co-located with the 2nd International Conference on Semantics and Digital Media Technologies (SAMT 2007)
- Ph. Mylonas, N. Simou, V. Tzouvaras and Y. Avrithis, "Towards Semantic Multimedia Indexing by Classification & Reasoning on Textual Metadata", Knowledge Acquisition from Multimedia Content Workshop, co-located with the 2nd International Conference on Semantics and Digital Media Technologies (SAMT 2007)

- Miroslav Vacura, Vojtěch Svátek, Pavel Smrž, and Nick Simou, "A Pattern-based Framework for Representation of Uncertainty in Ontologies", 6th International Workshop on Uncertainty Reasoning For the Semantic Web, Busan, Korea, 2007
- N. Simou, S. Kollias, "FiRE : A Fuzzy Reasoning Engine for Impeicse Knowledge", K-Space PhD Students Workshop, Berlin, Germany, 14 September 2007
- N.Simou, C.Saathoff, S.Dasiopoulou, E.Spyrou, N.Voisine, V.Tzouvaras, I.Kompatsiaris, Y.Avrithis, S.Staab, "An Ontology Infrastructure for Multimedia Reasoning", International Workshop VLBV05, Sardinia, Italy, 15-16 September 2005
- N. Simou, V. Tzouvaras, Y. Avrithis, G. Stamou and S. Kollias, "A Visual Descriptor Ontology for Multimedia Reasoning", In Proc. of Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS '05), Montreux, Switzerland, April 13-15, 2005.
- S. Bloehdorn, K. Petridis, C. Saathoff, N. Simou, V.Tzouvaras, Y. Avrithis, S. Handschuh, Y. Kompatsiaris, S. Staab and M. G. Strintzis, "Semantic Annotation of Images and Videos for Multimedia", in Proc. of 2nd European Semantic Web Conference, (ESWC '05), Heraklion, Greece, May 29 - June 1, 2005.
- S. Bloehdorn, N. Simou, V. Tzouvaras, K. Petridis, S. Handschuh, Y. Avrithis, I. Kompatsiaris, S. Staab and M. G. Strintzis, "Knowledge Representation for Semantic Multimedia Content Analysis and Reasoning", Proc. of European Workshop on the Integration of Knowledge, Semantics and Digital Media Technology (EWIMT), London, U.K., November 25-26, 2004