Web Information Extraction, Semantic Entity Identification and Linking

It is our pleasure to announce that on Friday, March 31st, Associate Prof. Nick Bassiliades of the Aristotle University will be visiting CUT to present a lecture on Web Information Extraction, Semantic Entity Identification and Linking.

The talk will cover some aspects of Web Information Extraction so that extracted entities can be uniquely identified by semantic similarity search in Web knowledge bases (a.k.a. Linked Open Data) and linked to their similar entities in these datasets.

Technologies that will be discussed are Web Data Extraction terms and tools, giving emphasis to the DEiXTo tool, and Semantic Web related languages, such as RDF, SPARQL. The dataset that will be described is the DBpedia LOD dataset.

All the above is going to be explained through a concrete use case which extracts data about University rankings from the web sites of several well-known ranking lists, then uniquely identify Universities by linking them to the corresponding DBpedia entity, and finally, merges individual ranking lists into a single dataset to compare different ranking lists statistically. The use case is supported by a Prolog application that will be briefly described as well.

Who: All Electrical Engineering, Computer Science and Engineering, Multimedia, Communications and Internet Studies, and Geoinformatics students. Also anyone else with an interest in information technology, software and computer engineering.

Speakers: Associate Prof. Nick Bassiliades, Aristotle University of Thessaloniki

When: 31st of March 2017 at 10:00am to 13:30pm. Location Room 3rd Floor B24-L06, Ttoffi Building.

Host: Dr. Michael Sirivianos, Department of Electrical Engineering, and Computer Engineering and Informatics, Cyprus University of Technology.

Speaker Short Bio:

Nick Bassiliades
Associate Professor in Knowledge Systems at Aristotle University of Thessaloniki.

Nick Bassiliades received his MSc in Applied Artificial Intelligence from the Computing Science Department of Aberdeen University, in 1992, and his PhD degree in parallel knowledge base systems from the Department of Informatics at the Aristotle University of Thessaloniki, Greece, in 1998, where he is currently an Associate Professor.

His research interests include knowledge-based and rule systems, multiagent systems, ontologies, linked data and the Semantic Web and the application of the above research areas in e-Learning, e-Commerce, e-Government, Semantic Web Services, Ambient Intelligence, and Electric Vehicles. He has published more than 180 papers in journals, conferences, and books, has coauthored 4 books and co-edited 8 volumes. His published research has received more 2500 citations (h-index 26). He was the Program Chair of 9 conferences / workshops, he has been member of the Program Committee of more than 100 and on the Organizational Committee of 6 conferences / workshops. He has been involved in 32 R&D projects leading 9 of them. He has been the general secretary of the Board of the Greek Artificial Intelligence Society; he is a director of RuleML, Inc., and also a member of the Greek Computer Society, the IEEE, and the ACM.

Nick Bassiliades is a member of the Software Engineering, Web and Intelligent Systems (SoftWISE) Laboratory.