Distinguished Lecturer Series “Leon the Mathematician” at the Department of Informatics, Aristotle University of Thessaloniki Greece (http://dls.csd.auth.gr)

INVITED LECTURES

Professor Claes Wohlin (School of Computing, Blekinge Institute of Technology, Karlskrona, Sweden), who is a Distinguished Scholar in Software Engineering, is going to lecture on

Success Factors in Industry-Academia Collaboration - An Empirical Study

and

Software Development Going Incremental, Iterative and Agile: Advantages and Challenges

at the **Auditorium of the Central Library of the Aristotle University of Thessaloniki** on **Tuesday December 7th , 2010 at 12:00** and **Thursday December 9th, 2010 at 12:00, respectively**.

ABSTRACT (Success Factors in Industry-Academia Collaboration - An Empirical Study)

The presentation is focused on two studies of success factors in industry-academia collaboration. One study is conducted in Sweden and another study is conducted in Australia. The studies were conducted based on identification of 14 potential key factors for successful collaboration. Different stakeholders were asked to prioritize the factors. The stakeholders include people from industry, students and researchers. The presentation discusses the key factors to have in place to be successful in industry-academia collaboration. Furthermore, a discussion of the differences and similarities between the views of the different stakeholders is presented.

ABSTRACT (Software Development Going Incremental, Iterative and Agile: Advantages and Challenges)

Software development is more and more changing from long projects using a waterfall model to become more incremental, iterative and agile. The presentation highlights the difficulties with the waterfall development based on an industrial case study. Furthermore, it illustrates how a new process is introduced at the company and how it relates to the literature in terms of incremental and agile development. The presentation also highlights the advantages with going incremental, iterative and agile in relation to having a waterfall inspired development model. Finally, the challenges in the new development model are discussed. It is concluded that the new model is perceived as superior, but it also results in some new challenges that have to be addressed in future research.

About the Speaker:

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Claes Wohlin is Professor of Software Engineering at Blekinge Institute of Technology, Sweden. He has served as Pro Vice Chancellor for six years and Dean of Undergraduate and Graduate Education at Blekinge Institute of Technology. Prior to joining BTH in 2000 he held professor chairs at Lund and Linköping Universities. He has held a Visiting Professor position at Chalmers University of Technology in Göteborg from 2005 to 2008. From 2009, he is a professorial visiting fellow at University of New South Wales in Sydney, Australia.

Professor Claes Wohlin received a Ph.D. degree in Communication Systems from Lund University in 1991. His research interests include empirical methods in software engineering, software metrics, software quality, requirements engineering and systematic learning and improvement in software engineering. Claes Wohlin is the principal author of the book Experimentation in Software Engineering: An Introduction (Kluwer Academic Publishers, 2000) and the author of a textbook in software engineering in Swedish (Studentlitteratur, 2005). He is also co-editor of two books together with colleagues from Australia. He has published more than 180 articles internationally. His h-index in "Publish or Perish" is 29 with the book on experimentation having more than 1200 citations, he has more than 80 articles with 10 citations or more, and his w-index is 629 based on the listing in "Publish or Perish".

Since January 2008, Professor Wohlin is Editor-in-Chief of the journal of Information and Software Technology, which is published by Elsevier, and he has been the Co-Editor-in-Chief of the journal since 2001. He is on three other editorial boards: Empirical Software Engineering: An International Journal, Software Quality Journal and Requirements Engineering Journal.

Based on his publication record, Claes Wohlin was ranked among the top 15 scholars in systems and software engineering by the Journal of Systems and Software for his contributions in the following time periods 1998-2002 (No. 14), 1999-2003 (No. 10), 2002-2006 (No. 8) and 2003-2007 (No. 9), and listed as fifth for his contributions to experimentation in software engineering in 1993 to 2002 in an article in Transactions on Software Engineering in September 2005. Furthermore, he has been instrumental in the ranking of Lund University (12th in the period 1999-2003) and Blekinge Institute of Technology (11th in the period 2002-2006, 5th in the period 2003-2007 and 6th in the period 2004-2008) among the top 15 institutions in the Journal of Systems and Software.

Claes Wohlin was the recipient of the prestigious Telenor Nordic Research Prize in 2004 for his achievements in software engineering and improvement of reliability for telecommunication systems.