



## INVITED LECTURE

**Professor Wolfgang Reisig** (Humboldt University Berlin, Germany) is going to lecture on

**“Modelling and Analysis of services and business processes”**

at **Lecture Hall 1 of the facilities of the Dept. of Informatics in Kalamaria** (located at Ethnikis Antistasews 16) on **Tuesday March 18<sup>th</sup>, 2014 at 12:30.**

### **ABSTRACT**

Pushed by business needs and by the software industry, service-oriented computing (SOC) has quickly established itself as a core paradigm of modern software architectures. Business processes heavily rely on this technology. To use it properly, Business Process Modelling (BPM) has become a key issue in this context. I consider various aspects of modelling- and analysis techniques for SOC and BP, including

- components with behaviors that purpose not to terminate,
- algorithms that are not to be implemented, but to be executed by technical devices or by humans,
- a most liberal notion of *composition* of components and services,
- specific means to abstractly formulate semantics, properties, correctness criteria, and equivalence.

I do not present completed solutions to the above problems. Instead, I discuss some ideas that could contribute to the conceptual basis for SOC and BP modelling.

ABOUT THE SPEAKER:

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Professor Wolfgang Reisig holds the Chair for the Theory of Programming of the Humboldt-Universität of Berlin. His research interests include Service Oriented Computing, Business Process Modelling, Distributed Algorithms, and modelling techniques such as Petri Nets and BPMN. Professor Reisig is a Member of the European Academy of Sciences.