UNIVERSITY OF NOVI SAD

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104. Sastanak IEEE u Novom Sadu / 104th IEEE Meeting in Novi Sad
Obaveštenje / Announcement

Prof. Marjan Mernik, *IEEE Member*

Faculty of Electrical Engineering and Computer Science
Maribor, Slovenia
Visiting Prof. at the University of Alabama at Birmingham, USA,
Visiting Prof. at the University of Novi Sad–Faculty of Technical Sciences, Serbia

u **ponedeljak, 20. 06. 2011.** u Svečanoj sali Fakulteta tehničkih nauka u Novom Sadu, sa početkom u **12:00 h**, održati

On **Monday, June 20, 2011**, in the Ceremony Hall of the Faculty of Technical Sciences Novi Sad at **12:00 pm** will deliver

P R E D A V A N J E - L E C T U R E

GRAMMAR INFERENCE TECHNOLOGY APPLICATIONS IN SOFTWARE ENGINEERING

Primene tehnologija za izvođenje gramatika u softverskom inženjerstvu

Abstract: There are many problems whose solutions take the form of patterns that may be expressed using grammars (e.g., speech recognition, text processing, genetic sequencing, programming language development, etc.). Construction of these grammars is usually carried out by computer scientists working with domain experts. Grammar inference (GI) is the process of learning a grammar from examples, either positive (i.e., the pattern should be recognized by the grammar) and/or negative (i.e., the pattern should not be recognized by the grammar). This talk will present the application of grammar inference to software engineering, including recovery of domain-specific language (DSL) specifications from example DSL programs and recovery of a meta model from instance models which have evolved independently of the original meta model.

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