

## Einladung

zum Informatik-Kolloquium des  
AB Programmiersprachen und Übersetzer am  
**Mittwoch, den 20. April 2016, um 14:00 Uhr c.t.**  
in der Bibliothek E185.1, Argentinierstr. 8, 4. Stock (Mitte)

Es spricht

**Dániel Leskó**

Eötvös Loránd University, Budapest, Hungary

über

## Compiler Related Research Projects at Eötvös Loránd University

In the last few years there were several industry driven research project at the Eötvös Loránd University. Most of these projects are language design, compiler and optimization related ones. I am planning to shortly introduce most of them, and then go into details with two projects, which I am currently involved in. One of them is a standalone tool for assembly optimization via instruction reordering. The other one is random program generation based on typed lambda-term generation.

Some of our projects are about to design a domain specific language (and a compiler/interpreter too), where the domain is telecommunication related. When we started these projects we had little to none knowledge about the domains (our department is a programming languages and compilers one), so there was an interesting process to get to know and understand the domain. But the even bigger challenge was to get the right information pieces out of the so called domain experts.

**Biographie:** Dániel Leskó is an Assistant Lecturer at the Department of Programming Languages and Compilers, Eötvös Loránd University, Budapest, Hungary. His research interests focus on functional programming, language and compiler design, random test data generation, low level optimization techniques. Since 2012, he is enrolled at EIT Digital Doctoral School, as a supplementary program focusing on business aspects. In the past years he has participated in various research projects, mostly funded by Morgan Stanley and Ericsson. (<http://ldani.web.elte.hu/>)

Zu diesem Vortrag lädt der *Arbeitsbereich für Programmiersprachen und Übersetzer am Institut für Computersprachen* herzlich ein.

Tee: 13:30 Uhr in der Bibliothek E185.1, Argentinierstr. 8, 4. Stock (Mitte).