

BACHELOR THESIS ASSIGNMENT

Field of study: **9.2.1 Informatics**

Study programme: **Informatics**

Thesis title:

**Atmosphere: Concurrency enabled data synchronization platform with
HTML5/JS and Cocoa clients**

**Atmosphere: Dátová synchronizačná platforma v prostredí HTML5/JS a
Cocoa s podporou konkurenčného prístupu**

Student (titles, given name, family name): **Vojtech Riník**

Supervisor (titles, given name, family name): **doc. Ing. František Jakab, PhD.**

Supervising department: **Department of Computers and Informatics**

Consultant (titles, given name, family name): **Ing. Ivan Klimek**

Consultant's affiliation: **Department of Computers and Informatics**

Thesis preparation instructions:

- 1) Analyze data synchronization methods for client applications of cloud services**
- 2) Analyze features of HTML5 and Cocoa technologies in the context of data synchronization**
- 3) Design an architecture for data synchronization between client applications and web services based on the performed analysis**
- 4) Implement the proposed synchronization platform**
- 5) Evaluate the results and prepare documentation according to the department standards**

Language of the thesis:

English

Thesis submission deadline:

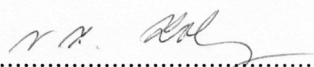
25.05.2012

Assigned on:

31.10.2011



prof. Ing. Ján Kollár, CSc.
Head of the Department



prof. Ing. Liberios Vokorokos, PhD.
Dean of the Faculty