

Zagreb, 18. ožujka 2016.

## **ZAVRŠNI ZADATAK br. 4756**

Pristupnik: **Neven Miculinić (0036477241)**  
Studij: Računarstvo  
Modul: Računarska znanost

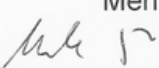
Zadatak: **Sustav potpore odlučivanju za predviđanje i optimalnu nabavu**

**Opis zadatka:**

Optimalna nabava u većini industrija uključuje predviđanje dviju veličina: cijene sirovina i potražnje. Cilj ovoga rada je ujediniti predviđanje u model planiranja proizvodnje sa ciljem minimiziranja ukupne nabave, troškova skladištenja i proizvodnje uz zadovoljenje potražnje. Sustav potpore odlučivanju treba omogućiti donositelju odluke integraciju kvalitativne nestrukturirane informacije kroz jednostavno sučelje, odabir scenarija i profinjenje rješenja.

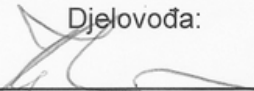
Zadatak uručen pristupniku: 18. ožujka 2016.  
Rok za predaju rada: 17. lipnja 2016.

Mentor:

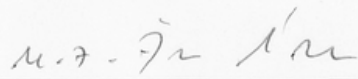
  
Izv. prof. dr. sc. Mile Šikić

Izv. prof. dr. sc. Joao Pedro Pedrosa  
(komentor)

Djelovoda:

  
Doc. dr. sc. Tomislav Hrkać

Predsjednik odbora za  
završni rad modula:

  
Prof. dr. sc. Siniša Srblić

Zagreb, 18 March 2016

## BACHELOR THESIS ASSIGNMENT No. 4756

Student: **Neven Miculinić (0036477241)**  
Study: Computing  
Module: Computer Science

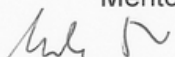
Title: **Decision Support System for Forecasting and Optimal Procurement**

### Description:

Optimal procurement in most industries involve forecasting of two quantities: prices of raw materials and customer's demand. The aim of this work is to integrate forecasts into production planning models, with the aim of minimizing overall procurement, holding and production costs under demand satisfaction constraints. The decision support system should allow the decision maker to integrate qualitative, unstructured information through a simple interface, for scenario selection and solution refinement.

Issue date: 18 March 2016  
Submission date: 17 June 2016

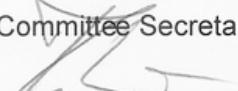
Mentor:



Associate Professor Mile Šikić, PhD

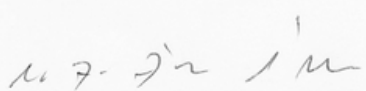
Associate Professor Joao Pedro Pedrosa,  
PhD (co-mentor)

Committee Secretary:



Assistant Professor Tomislav Hrkać, PhD

Committee Chair:



Full Professor Siniša Srblić, PhD