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# Bogdan Okreša Đurić

*“All we have to decide is what to do with the time that is given us.” – J.R.R.Tolkien*

## Education

**DOCTOR OF SCIENCE**, *Faculty of Organization and Informatics, University of Zagreb*, Varaždin, HR. **2015–2018**

Working on ModelMMORPG project, I continued my academic career under the supervision of my mentor Markus Schatten, PhD, with research interests in multiagent systems, computer games, agent-based modelling, semantic modelling, knowledge management, social network analysis, etc.

**RESEARCH STAY**, *Universitat Politècnica de València*, Valencia, **11/2016–02/2017** ES.

Scientific training opportunity with Vicente Julian Inglada, PhD, as mentor, and other members of Intelligence Research Group of UPV. I further improved collaboration, continued working on my research (including ontologies and computer games), and attended two courses.

**MASTER OF INFORMATICS**, *Faculty of Organization and Informatics, University of Zagreb*, Varaždin, HR, *GPA 4.504*. **2010–2013**

Awarded with Dean's Award for humanitarian activities, and for excellence in work in Student Council. Awarded a Special Rector's Award for assisting in the organisation of International Student Research Symposium.

Master Thesis entitled Semantic Modeling of Business Rules, mentored by Markus Schatten, PhD (further information available online in dabar repository).

**ERASMUS EXCHANGE STUDENT**, *School of Business, Economics and Social Sciences, Karl-Franzens University of Graz*, Graz, AT. **02/2011–06/2011**

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY with Distinction**, *Faculty of Organization and Informatics, University of Zagreb*, Varaždin, HR, *GPA 4.310*. **2007–2010**

Bachelor Thesis entitled Database Integrity, mentored by Mirko Maleković, PhD.

## Doctoral Thesis

**Title:** ORGANIZATIONAL MODELING OF LARGE-SCALE MULTIAGENT SYSTEMS WITH APPLICATION TO COMPUTER GAMES

**Supervisor:** Markus Schatten, PhD

Further information available in dabar repository.

## Experience

### Vocational

**SENIOR TEACHING ASSISTANT**, *Faculty of Organization and Informatics, University of Zagreb, Varaždin, HR.* **07/2021–ongoing**

Working full-time in higher education. Member of Artificial Intelligence Laboratory. Teaching courses in Croatian or English: ○ Multiagent Systems ○ Theory of Databases ○ Declarative Programming ○ Databases I ○ Computer Games Development.

**TEACHING ASSISTANT**, *Faculty of Organization and Informatics, University of Zagreb, Varaždin, HR.* **11/2018–07/2021**

Working full-time in higher education. Member of Artificial Intelligence Laboratory. Teaching courses in Croatian or English: ○ Multiagent Systems ○ Theory of Databases ○ Declarative Programming ○ Data Structures ○ Databases I ○ Knowledge Management.

**TEACHING ASSISTANT**, *Artificial Intelligence Laboratory, Faculty of Organization and Informatics, University of Zagreb, Varaždin, HR.* **01/2017–10/2018**

Doctoral student at ModelMMORPG project, with a scientific title. Aspects of research: ○ large-scale multiagent systems, and organisational models ○ computer games ○ semantic modelling ○ social network analysis.

**EXPERT ASSOCIATE IN SCIENCE AND HIGHER EDUCATION**, *Artificial Intelligence Laboratory, Faculty of Organization and Informatics, University of Zagreb, Varaždin, HR.* **01/2015–12/2016**

Doctoral candidate at ModelMMORPG project. Aspects of research: ○ large-scale multiagent systems, and organizational models ○ computer games ○ semantic modelling ○ social network analysis.

**BUSINESS ANALYST**, *Schiedel proizvodnja dimnjaka, Novi Golubovec, HR.* **09/2014–12/2014**

**ERASMUS+ TRAINEE**, *Elettra Sincrotrone Trieste, Trieste, IT.* **05/2014–08/2014**

**INTERN**, *Jožef Stefan Institute, Ljubljana, SI.* **01/2013–03/2013**

**STUDENT ASSISTANT**, *Faculty of Organization and Informatics, University of Zagreb, Varaždin, HR.* **03/2009–01/2013 (noncont.)**

Noncontinuous. I aided students in their academic assignments, practical classes and courses, namely: ○ Text and Image Formatting ○ Data Structures ○ Knowledge-Based Systems ○ Knowledge Bases and the Semantic Web.

**ERASMUS INTERN**, *Jožef Stefan Institute, Ljubljana, SI.* **03/2012–08/2012**

For five months at the Knowledge Technologies department, I experienced ○ Orange4WS platform ○ data mining techniques ○ ClowdFlows platform development ○ Python ○ Django ○ Orange.

### Workshops & Courses

**ITEC STUDENT**, *Centre for Development of Advanced Computing, Noida, IN.* **01/2023–03/2023**

I was chosen to attend an Indian Technical and Economic Cooperation Programme (ITEC) course Specialised Programme in Artificial Intelligence along with 28 other people from 28 other countries. The course lasted for six weeks and included various topics from the domain of artificial intelligence.

### Publications

Full list of publications available at Croatian Scientific Bibliography, scientist ID 367114.

## Projects

- CEEPUS NETWORK**, *Network for advancing interdisciplinary cybersecurity research*, CEEPUS, local coordinator.  
Coordinator: Mijalche Santa, PhD., Ss. Cyril und Methodius University in Skopje **2023 – 2024**
- FULL STEAM AHEAD!**, *Science, Technology, Engineering, Arts and Mathematics in the 2nd Elementary School Varaždin*, European Economic Area, project team member.  
Lead: Markus Schatten, PhD. **04/2022 – ongoing**
- IRI-CSTI**, *Razvoj CSTI platforme za dohvat i analizu strukturiranih i nestrukturiranih podataka*, European Regional Development Fund, project team member.  
Lead: Petra Grd, PhD. **07/2021 – ongoing**
- O-HAI 4 GAMES**, *Orchestration of Hybrid Artificial Intelligence methods for computer Games*, Croatian Science Foundation, project team member.  
Lead: Markus Schatten, PhD. **02/2020 – ongoing**
- E-ŠKOLE FAZA II ESF**, *e-Schools*, European Social Fund, project team member.  
Lead: Nina Begičević Ređep, PhD. **06/2019 – ongoing**
- ISSES**, *Information Security Services Education in Serbia*, Erasmus+, project team member.  
Lead: Miroslav Bača, PhD. **10/2017 – 10/2021**
- IRI HYPER**, *Customer Experience of the Future – Smart Specializations and Modern Communication and Collaboration Technologies*, European Regional Development Fund, project team member.  
Lead: Ruben Picek, PhD. **11/2019 – 3/2021**
- MODELMMORPG**, *Large-Scale Multi-Agent Modeling of Massively Multi-Player On-Line Role-Playing Games*, Croatian Science Foundation, project team member.  
Lead: Markus Schatten, PhD. **01/2015 – 11/2018**

Further information about these and possibly other projects is available in the Project database of the Faculty of Organization and Informatics.

## Other General Skills

By nature friendly, welcoming and communicative to both known and yet-to-be-known people, flourishing in diverse and international environment; opportunity-welcoming achievement-oriented team-player who can lead, motivate, and innovate; planning skills, management and leadership skills developed on various occasions; knowledge acquisition, transfer and utilisation skills trained continuously.

## Interests

**Research:** multiagent systems, gamification, computer games, ontologies, semantic modelling, conceptual modelling, international cooperation.

**Personal:** volunteering, choir singing, international relations, travelling.

**Academic:** research, projects, cooperation, teaching, studying, internationalisation.