

CRISTINA BUTNARIU – Ph.D. student



1. Personal information

Name and surname: Cristina BUTNARIU

Date and place of birth: Iasi, 25.12.1981

Present academic position: Ph.D. student

Current address: Iasi, Romania

Phone number, e-mail address: +40-232-278683 - 2358, iocrisro@yahoo.com

2. Education

2011-present PhD student in Chemical Engineering, Faculty of Chemical Engineering and Environmental Protection, Technical University “Gheorghe Asachi” Iasi.

2000–2004 Licence in Computer Science, Faculty of Computer Science and Informatics, “Al. I. Cuza” University, Iasi.

2000 Baccalaureate, “Costache Negruzzi” High School, Iasi.

3. Professional experience

2005 – 2009 – research stage at School of Informatics and Computer Science, University College Dublin, Ireland.

2003 – 2011 – research assistant at the Institute for Computer Science and Informatics, Romanian Academy.

2010 – 2012 – java software developer.

4. Research interests

In the last six years, the research activity was focus on artificial intelligence tools applied to natural language processing. I participated in several of projects, in which I was responsible for a variety of tasks, from developing text annotation tools to designing educational games. In the recent years I focused on implementing a semantic model for English nominal compounds using machine learning with semantic features. The topic that I will follow on my Ph.D. that I currently started (2011 – 2014) is machine learning algorithms and their applications in chemical engineering.

Thesis title: “**Soft-computing hybrid configuration applied in chemical engineering**”.

5. Other academic activities

- Teaching assistant at the University College Dublin, Ireland.
- Co-organizer of the *Noun Compound Interpretation Using Paraphrasing Verbs and Prepositions* workshop, SemEval 2010, Uppsala, Sweden.

6. Selected publications

Selected papers

1. „Support vector machine applied for prediction of the liquid crystalline property of some organic compounds”
Cristina Butnariu, Silvia Curteanu, Florin Leon, Catalin Lisa
Chemical Engineering Science, in press.
2. „Segmentation Algorithms for Clause-Type Textual Units”
Nicu Curteanu, Dan Gâlea, **Cristina Butnariu**
Limba Română în Societatea Informațională, D. Tufiş and Fl. Filip Eds., Romanian Academy, Bucharest, Expert Press, pp. 165-190.
3. „Hierarchical XML representation for heavily annotated corpora”
Dan Cristea and **Cristina Butnariu**
Proceedings of the *LREC 2004 Workshop on XML-Based Richly Annotated Corpora*, Lisbon, Portugal.
4. „Hierarchical XML representation for heavily annotated corpora”
Cristina Butnariu and Tony Veale
Proceedings of the *Fourth International Workshop on Semantic Evaluations* (SemEval-2007), Computational Linguistics, Association, 2007.
5. „A Concept-Centered Approach to Noun-Compound Interpretation”
Cristina Butnariu and Tony Veale
Proceedings of the 22nd International Conference on Computational Linguistics, 2008.
6. „On the categorization of Cause and Effect in WordNet”
Cristina Butnariu and Tony Veale
Proceedings of the *4th Global WordNet Conference* (GWC 2008).
7. „The Interpretation of Noun Compounds Using Paraphrasing Verbs and Prepositions”
Cristina Butnariu, Su Nam Kim, Preslav Nakov, Diarmuid Ó Séaghdha, Stan Szpakowicz and Tony Veale
SemEval-2010 Task 9:, SEW-2009, *NAACL HLT*, 2009.

Contracts

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