

# Curriculum Vitae

## Liviu P. Dinu

### Personal Data:

- Name: Liviu Petrisor Dinu
- Date of birth:
- Address: University of Bucharest, Faculty of Mathematics and Computer Science, Bucharest, 14 Academiei st., 010014, Romania
- E-mail: ldinu@fmi.unibuc.ro, l
- Web page: <http://nlp.unibuc.ro/people/liviu.html>
- Citizenship: Romanian
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### Current Position:

- Full Professor, Department of Computer Science, Faculty of Mathematics and Computer Science, University of Bucharest, Romania (since 2015).
- Director, Human Language Technologies Research Center, University of Bucharest, Romania ([nlp.unibuc.ro](http://nlp.unibuc.ro)).
- Honorary president of Romanian Linguistics Olimpyad „Solomon Marcus”.
- Member of the Research Institute of the University of Bucharest (ICUB).
- PhD advisor, Computer Science Doctoral School, Faculty of Mathematics and Computer Science, University of Bucharest, Romania.
- PhD advisor, Interdisciplinary School of Doctoral Studies, University of Bucharest, Romania.
- Director *Natural Language Processing* master program, Faculty of Mathematics and Computer Science, University of Bucharest, Romania

### Awards:

- *Grigore C. Moisil Prize*, awarded by the Romanian Academy, Romania, 2007 (for 2005).
- *In Hoc Signo Vinces Prize* (Magna Cum Laude), for research and publications awarded by the National Research Council for Higher Education, Romania, 2005.

### Education, degrees and diplomas:

- **2015, February 18:** *Habilitation Thesis: Similarity and Decision Problems in Computational Linguistics*, Computer Science Department, Faculty of Mathematics and Computer Science, University of Bucharest (OM 3216/18.02.2015).
- **2003, December, 15:** *PhD* in Computer Science, University of Bucharest, Faculty of Mathematics and Computer Science. PhD thesis advisor: Acad. Prof. Solomon Marcus.
- **1996:** *M.Sc.* in Computer Science, Faculty of Mathematics and Computer Science, Univ. of Bucharest.
- **1994:** *B.S.* in Computer Science, Faculty of Mathematics and Computer Science, Univ. of Bucharest.

### Academic carrier:

- **2015-to date:** Full Professor, Department of Computer Science, Faculty of Mathematics and Computer Science, University of Bucharest
- **2001-2015:** Associate Professor (2008), Lecturer (2004), Assistant Professor (2001), Department of Computer Science, Faculty of Mathematics and Computer Science, University of Bucharest
- **1994-2001:** Associate assistant (part time collaboration), Department of Computer Science, Faculty of Mathematics and Computer Science, University of Bucharest.
- **1994-1998:** Assistant researcher, Institute of Microtechnology (IMT), Bucharest.

### Scientific activity:

- Author of two books;
- Co-author of five chapters in books;
- Author or co-author of over 130 research papers published in refereed international journals and proceedings of scientific conferences.

### Research grants:

- **2005** (May-October): Advanced NATO fellowship: CNR-NATO ASI grant (ranked 1st in Technology, Engineering and Information Science class, announcement no. 215.36 S in 12/05/2004 – N.5). Developed at Trieste, Italy.
- **2001** (November-December): Grant CNR-INDAM Trieste, Italy, invited researcher.

### Short attendance grants:

1. **2007, November:** Microsoft Research-University of Trento, Centre for Computational and Systems Biology (COSBI), Trento, Italy.
2. **2004, August:** NATO ASI: 25th International Summer School 2004 on Engineering Theories of Software Intensive Systems, Marktoberdorf, Germany.
3. **2003, august:** ESSLLI 2003, Viena, Austria.
4. **2003, July:** NATO ASI: NATO summer school on Structural Theory of Automata, Semigroups and Universal Algebra. Universite de Montreal, Canada.
5. **2003, March:** 19th European School Villem Mathesius, Charles University, Praga, Cehia.
6. **2002, August:** NATO ASI: 23th International Summer School 2002 on Models, Algebras, and Logic of Engineering Software, Marktoberdorf, Germania.
7. **2002, June:** NATO ASI: NATO Summer School ASI 2002, Dynamics of Speech Production and Perception, Il Ciocco, Italia.
8. **2001, August:** ESSLLI 2001, University of Helsinki, Finland.
9. **2000, August:** ESSLLI 2000, University of Birmingham, Anglia.
10. **2000, July:** Logic Colloquium 2000 (**LC2000**) and the European Logic Summer School (**ELSS 2000**), Sorbonne, Paris, France.
11. **1999, July:** 7th European Summer School on Language and Speech Communication "Multimodality in Language and Speech Systems, MiLaSS", KTH University, Stockholm, Sweden.
12. **1998, July:** 6th European Summer School on Language and Speech: Robustness, Real Life applications in Language and Speech, Universita Politecnica de Catalania, Barcelona, Spain.
13. **1996, August:** 13th summer school Villem Mathesius, Charles University, Prague, Czech.

### Funded Research Projects:

#### I. National:

##### A. Project manager:

1. *Computational Tools for Historical Linguistics –COTOHILI- (Dezvoltarea de Sisteme Automate Suport pentru Lingvistica Istorica)*. Project PN-III-P4-ID-PCE-2020-1544/2020, funded by the Romanian National Authority for Scientific Research and Innovation, UEFISCDI (duration: 3 years).
2. *Intelligent Systems for Automatic Response Generation*. Project 53BG/ 2016, funded by Romanian National Authority for Scientific Research and Innovation (duration: 2 years)
3. *Algorithms for the structure identification of massive graphs: computational linguistic applications and mathematical modelling of social dynamics*. Project 228/1.10.2007, funded by CNCSIS (Romanian National Council for Research in High Education), IDEI Program, PN II. (duration: 3 years)

4. *Multi-agent systems in establishing the paternity of texts with controversial author. Application to Romanian texts attributed to Eminescu and Sadoveanu.* Project 1509/2006, funded by CNCSIS in the Excellence Research Program for young researchers, CEEX-ET, ANCS (2 years).
5. *Analysis in linear time of DNA sequences using rank distance.* Project 1506/2006, funded by CNCSIS in the Excellence Research Program for young researchers, CEEX-ET, ANCS (2 years)
6. *Application of rank distance in computer science, linguistics and molecular biology.* Project 17/2008, funded in the research program Idei by the University of Bucharest (2years).
7. *PC Program for the identification of text paternity.* Project 18/2007 funded in the competition organized by the Romanian Writer's Union
8. *Automatic word syllabication in Romanian. Applications in data base building of syllables in Romanian.* Project funded by CNCSIS in 2004-2005, cod 217AT, commission 2 (1 year).

#### **B. Member of the research team:**

1. INvestigating the influence of optimistic/pessimistic sentiment from TExt in press REleases on Stock market Trend (INTEREST), Project PN-III-CERC-CO-PED-2-2019, funded by the Romanian National Authority for Scientific Research and Innovation, UEFISCDI (PI Catalin Stoean), 2020-2022.
2. *The Structure and Interpretation of the Romanian Nominal Phrase in Discourse Representation Theory: the Determiners.* Project manager : Alexandra Cornilescu. Funded by UEFISCDI (Executive Agency for Higher Education, Research, Development and Innovation Funding, Bucharest, Romania), 311/2011 (PN-II-ID-PCE-2011-3-0959), 2011-2015.
3. *Genomewide study of bipolar disorder I and Guide for the genetic risk assessment for the disorder.* Project manager: Maria Grigoriu-Serbanescu. Project funded by UEFISCDI, PCCA/2011, PN-II-PT-PCCA-2011-3.2-1628, 2011-2014.
4. *Infrastructure for a multilingual knowledge database regarding linguistic similarities between Romanian and other international languages (LINCOR).* Project manager: Stefan Diaconescu (SoftWin). Project funded by UEFISCDI, PNCDI2, program 4-Partnership, 2007-2009.
5. *Planning, designing and implementing linguistic applications for the analysis and processing of Romanian texts (PALIROM).* Funded by UEFISCDI in the Program PNCDI2, Innovation, 2007. PI Stefan Diaconescu (SoftWin), 2007-2009.
6. *Multimedia Instrument for Language Skills Assessment According to the Common European Framework of Reference with the view to Obtaining the European Certificates for English, French and German.* Project manager: Diana Ionita. Project funded by UEFISCDI, PN2-Idei, 2009-2011.
7. *Parallel communicating automata systems for dialogue modeling.* Project manager: Radu Gramatovici. Funded by CNCSIS, in Excellence Research Program for young researchers, CEEX-ET, 2005-2007.
8. *Cryptographic system with parallel architecture and evolutive keys.* Project manager Monica Dascălu. Funded by the Romanian Space Agency, Security Programme, 2005.
9. *Specification and management of simulation scenarios of socio-technical systems. A situation-theory based approach.* Project manager Adrian Atanasiu. Funded by CNCSIS, code 815A/2004, (2004-2008).
10. *Electronic dictionary of Romania morphology.* Project manager: Emil Ionescu. Funded by CNCSIS, commission 3 (2001-2004).

## **II. International projects:**

### **Project manager (Romanian team):**

- *Euromobil 2. A multi-media language learning programme to support student mobility (FR,CH, PL, PT, FI, RO).* Project 225825-CP-1-2005-1-FR-LINGUA-L2, funded by the European Union, Socrates program, subprogram LINGUA.
- *MULTI3GENERATION: MULTI-TASK, MULTILINGUAL, MULTI-MODAL LANGUAGE GENERATION (Multi3Generation) – COST Action CA18231* (2019-2023), funded by the European Union
- *LITHME: - Language In The Human-Machine Era, COST Action CA19102* (2020-2024), funded by the European Union

**Member:**

- *Langages Formels pour l'analyse des systemes infinit*. Project no 08797XL/2004 funded in the Brancusi programme.
- *HerCoRe project (Hermeneutic and Computer based Analysis of Reliability, Consistency and Vagueness in Historical Texts)*, funded by Volkswagen foundation (2017-2018).

**Membership in Scientific/Organizing Committee of Conferences:**

- Member in the program committee/reviewer of more than 30 international academic conferences in Europe, USA, Asia: LREC 2008, 2010, 2012, 2014, 2016, 2018, 2020, SYNASC 2013, IJCNLP 2013, RANLP 2013, 2015, 2017, 2019, 2021, CSTA 2013, JSSP 2013, VarDial 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, LRE-Rel2, LT4CloseLang 2 - VarDial 2 2015, NAACL 2016, EMNLP 2016, 2020, 2021, ACL 2017, 2020, 2021, RAAI 2017, 2018, 2019 (founder and general chair), EACL 2021, ECIR 2021, etc.
- Reviewer: Information Processing and Management, Computer Speech & Language, etc.

**Peer evaluation for research programmes, projects, etc:**

- Evaluator/Expert for DAAD, Programme – Scholarships, Computer Science commission (2014-2016).
- Evaluator/Expert for CNCSIS (Romanian National Council for Research in High Education), Programme IDEAS, PNII, 2008-2010.
- Member (external reviewer) in the national and international committee of many doctoral, habilitation dissertations and academic contests (University of Trento, University of Bucharest, University of Iasi, Politechnica University of Bucharest, University of Timisoara, University of Alba Iulia, etc.)

**STUDENTS:**

- PhD: Laura Franzoi (Trieste, Italy), Alina Ciobanu, Octavia-Maria Sulea, Bogdan Dumitru, Ana Uban, Sergiu Nisioi.
- PhD students: Cristina Moise, Dani Onita, Ana-Maria Bucur

**Invited talks (selection):**

- *Automatic Identification and Production of Related Words for Computational Historical Linguistics*. Universitat Politècnica de València, May 10, 2019.
- *Towards a map of languages similarity*. Universitat Politècnica de València, May 9, 2019.
- *Similarity and Decision Problems in Computational Linguistics*. University of Craiova, March 14, 2019.
- *On the Romanian similarity and the relation between Romanian dialects. A computational perspective*. University of Zurich, November 26, 2018 (Invited talk at the workshop “First step towards an interactive map of Balkan linguistic features”).
- *Computational Approaches to Romanian Loanwords*. Hamburg University, July 10, 2017 (Series lectures “Computational Linguistics from Science to ubiquitous utility”).
- *O harta a distanțelor lingvistice. Cat de aproape este româna de limbile Europei?* University of Craiova, April 5, 2017.
- *On the similarity between languages: Automatic analysis of cognates*. Hamburg University, June 30, 2016 (Invited talk at lecture series "Hamburger Zentrum für Sprachwissenschaft").
- *Romanian: how difficult is it for people to learn? But for computers?* Hamburg University, June 27, 2016
- *Muzicalitatea matematica a poeziei*. Biblioteca Națională a României, May 10, 2016.
- *Big Data et le traitement du langage naturel*. Centrul Regional Francofon de Studii Avansate în Științe Sociale (CEREFREA Villa Noël), November 17, 2015.

- *Light: a multilingual distributional analysis*. 8th Int. Conference State and Society in Europe, University of Craiova, Faculty of Theology, October 29, 2015.
- *On The Natural Languages Similarity. An Orthographic Perspective with Romanian Focus*. Hamburg University, April 27, 2015.
- *Dincolo de Text. Folioasele Lingvisticii Computationale in Stiintele Sociale*. Scoala doctorala de sociologie, SNSPA (invited by Vintila Mihailescu), April 14, 2014.
- *Rank distance and applications*. Babes-Bolyai University of Cluj (invited by Dan Dumitrescu), February 24, 2012
- *Rank distance: from computational linguistics to bioinformatics*. University of Udine, Italy, October 12, 2005
- *Rank distance in mathematical linguistics*. Universita degli studi di Trieste, Italy, December 5, 2001

### **Scientific activity management and press coverage**

Responsible of the Natural Language Processing master program (Faculty of Mathematics and Computer Science, University of Bucharest), “Solomon Marcus” seminar in Computational Linguistics, Recent Advances in Artificial Intelligence (RAAI) conference, “Solomon Marcus” Linguistics Olimpyad (honorary president), Human Language Technologies Research Center (director). The obtained results for computational linguistics and natural language processing have been covered by national (Dilema Veche, Observator Cultural, Romania Literara, Adevarul, Gandul, Curtea de la Arges, Cotidianul, Catavencii, Academia Catavencu, Idei in Dialog, Monitorul de Vaslui, Secolul 21, Ziarul Financiar, TVR, OltTV, Speranta TV, Radio Cultural, etc.) and international (RFI-Romania) media.

June, 2021

Liviu P. Dinu

## List of 10 Best Publications of Liviu P Dinu

1. Alina Ciobanu, Liviu P. Dinu, **2019**. *Automatic Identification and Production of Related Words for Historical Linguistics*. **Computational Linguistics**, vol. 45, No. 4, 667-704, december 2019.
2. Cornelia Caragea, Ana Uban, Liviu P. Dinu, **2019**. *The Myth of Blind Review Revisited: Experiments on ACL vs. EMNLP*. In Proc. **EMNLP 2019** (2019 Conference on Empirical Methods in Natural Language Processing), 2317–2327, Hong Kong, China, nov. 3–7, 2019.
3. Cornelia Caragea, Liviu P. Dinu, Bogdan Dumitru, **2018**. *Exploring Optimism and Pessimism in Twitter Using Deep Learning*. In Proc. **EMNLP 2018** (2018 Conference on Empirical Methods in Natural Language Processing), 652-658, Brussels, Belgium, 2018
4. Alina Ciobanu, Liviu P. Dinu, **2018**. *Ab Initio: Latin Proto-word Reconstruction*. In Proc. **COLING 2018** (27th International Conference on Computational Linguistics), 1604-1614, Santa Fe, New Mexico, USA, August 20-26.
5. Sergiu Nisioi, Sanja Štajner, Simone Paolo Ponzetto and Liviu P. Dinu, **2017**. *Exploring Neural Text Simplification Models*, In Proc. **ACL 2017** (55th Annual Meeting of the Association for Computational Linguistics), 85-91, Vancouver, Canada, July 30 - August 4 2017.
6. Alina Ciobanu, Liviu P. Dinu, and Andrea Sgarro, **2017**. *Towards a Map of the Syntactic Similarity of Languages*. In Proc. **CICLing 2017** (Computational Linguistics and Intelligent Text Processing - 18th International Conference), 576-590, Budapest, Hungary, April 17-23 2017.
7. Alina Maria Ciobanu, Liviu P. Dinu, 2014. *Automatic Detection of Cognates Using Orthographic Alignment*. In Proc. **ACL (2) 2014** (the 52nd Annual Meeting of the Association for Computational Linguistics), 99-105, June 22-27, 2014, Baltimore, MD, USA.
8. Alina Maria Ciobanu, Liviu P. Dinu, 2014. *An Etymological Approach to Cross-Language Orthographic Similarity. Application on Romanian*. In Proc. **EMNLP 2014** (2014 Conference on Empirical Methods in Natural Language Processing), 1047-1058, October 25–29, 2014, Doha, Qatar.
9. Alina Maria Ciobanu, Anca Dinu, Liviu P. Dinu, 2014. *Predicting Romanian Stress Assignment*. In Proc. **EACL 2014** (the 14th Conference of the European Chapter of the Association for Computational Linguistics), 64-68, April 26-30, 2014, Gothenburg, Sweden.
10. Liviu P. Dinu, Radu-Tudor Ionescu, Alexandru Tomescu, 2014. *A Rank-Based Sequence Aligner with Applications in Phylogenetic Analysis*. **PLoS ONE** 9(8): e104006. doi:10.1371/journal.pone.0104006

## List of Publications of Liviu P. Dinu

### Books:

1. Liviu P. Dinu, 2004. *Metode Formale si de Clasificare in Lingvistica Matematica si Computationala (Formal and Classification Methods in Mathematical and Computational Linguistics)*. Editura Universitatii din Bucuresti, 2004, Romania (ISBN 973-575-928) (in Romanian)
2. Liviu P. Dinu, 2010. *Rank distance and applications*, 2010. Editura Universitatii din Bucuresti, 2010 Romania (ISBN 978-973-737-800-2).

### Chapters in Books:

1. Ana Uban, Alina Ciobanu, Liviu P Dinu, 2021. *Cross-lingual laws of semantic change*. To appear in: Nina Tahmasebi, Lars Borin, Adam Jatowt, Yang Xu, Simon Hengchen (eds). *Computational Approaches to Semantic Change*. Berlin: Language Science Press., p 1-38, 2021
2. Liviu P. Dinu, Octavia-Maria Şulea, 2013. *Theoretical and Computational Aspects of Romanian Morphology*. In: *Towards Multilingual Europe 2020: A Romanian perspective*, Editors: Dan Tufiş, Vasile Rus, Corina Forăscu. Editura Academiei Romane, 2013 ( ISBN 978-973-27-2282-4.), p. 37-56.
3. Liviu P. Dinu and Andrea Sgarro, 2011. *Estimating Similarities in DNA Strings Using the Efficacious Rank Distance Approach*. In *Systems and Computational Biology - Bioinformatics and Computational Modeling*, Editor Ning-Sun Yang, (ISBN: 978-953-307-875-5), InTech publisher, p. 121-138.
4. Liviu P. Dinu, Denis Enachescu, 2007. *Languages Similarity: Measuring and Testing*. In *Recent Advances in Stochastic Modelling and Data Analysis*, ed. Christos H. Skiadas. Publisher: World Scientific Publishing Co Pte Ltd, (ISBN -13 978-981-270-968-4, ISBN-10 981-270-968-1), p. 512-520.
5. Liviu P. Dinu, Denis Enachescu, 2007. *On clustering Romance languages*. In *Recent Advances in Stochastic Modelling and Data Analysis*, ed. Christos H. Skiadas. Publisher: World Scientific Publishing Co Pte Ltd., (ISBN -13 978-981-270-968-4, ISBN-10 981-270-968-1), p. 521-529.

### Papers (with peer review process):

1. Ana-Maria Bucur, Adrian Cosma and Liviu Dinu, 2021. *Early Risk Detection of Pathological Gambling, Self-Harm and Depression Using BERT*. In Proc. **CLEF 2021**, Online.
2. Ana Sabina Uban, Alina Maria Cristea, Anca Dinu, Liviu P. Dinu, Simona Georgescu, Laurentiu Zoicas, 2021. *Tracking Semantic Change in Cognate Sets for English and Romance Languages*. In Proc. 2nd International **Workshop on Computational Approaches to Historical Language Change 2021** (co-located with **ACL-IJCNLP 2021**), Online.
3. Ana-Maria Bucur, Marcos Zampieri and Liviu P. Dinu, 2021. *An Exploratory Analysis of the Relation between Offensive Language and Mental Health*. In Proc. of The Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing: Findings (**ACL-IJCNLP Findings 2021**), Online.
4. Ana Sabina Uban, Cornelia Caragea, and Liviu Dinu. 2021. *Studying the Evolution of Scientific Topics and their Relationships*. In: Proceedings of The Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing: Findings (**ACL-IJCNLP Findings 2021**), Online.

5. Ana-Maria Bucur, Liviu P. Dinu, 2020. *Detecting Early Onset of Depression from Social Media Text using Learned Confidence Scores*. **CLiC-it 2020**
6. Dani Onita, Adriana Birlutiu, Liviu P Dinu, 2020. Towards Mapping Images to Text Using Deep-Learning Architectures **Mathematics** 8 (9), 2020.
7. Laura Franzoi, Andrea Sgarro, Anca Dinu, Liviu P. Dinu, **2020**. *Random Steinhaus distances for robust classification of partially inconsistent linguistic data*. In Proc. IPMU 2020, Lisbon, Portugal, June 15-20 2020.
8. Alina Ciobanu, Liviu P. Dinu, Laurentiu Zoicas, **2020**. *Automatic Reconstruction of Missing Romanian Cognates and Unattested Latin Words*. In Proc. **LREC 2020** (12th International Conference on Language Resources and Evaluation), Marseille, France, 11-16 may, 2020.
9. Ana Uban, Liviu P Dinu, **2020**. *Automatically Building a Multilingual Lexicon of False Friends With No Supervision*. In Proc. **LREC 2020** (12th International Conference on Language Resources and Evaluation), Marseille, France, 11-16 may, 2020.
10. Alina Ciobanu, Liviu P. Dinu, **2019**. *Automatic Identification and Production of Related Words for Historical Linguistics*. **Computational Linguistics**, vol. 45, No. 4, pp 667-704, december 2019.
11. Cornelia Caragea, Ana Uban, Liviu P. Dinu, **2019**. *The Myth of Blind Review Revisited: Experiments on ACL vs. EMNLP*. In Proc. **EMNLP 2019**, pp. 2317–2327, Hong Kong, China, nov. 3–7, 2019
12. Daniela Onita, Liviu P. Dinu and Adriana Birlutiu, **2019**. *From Image to Text in Sentiment Analysis via Regression and Deep Learning*. In Proc. **RANLP 2019**, Varna, Bulgaria
13. Laura Franzoi, Andrea Sgarro, Anca Dinu and Liviu P. Dinu, **2019**. *Linguistic classification: dealing jointly with irrelevance and inconsistency*. In Proc. **RANLP 2019**, Varna, Bulgaria
14. Ana Uban, Alina Ciobanu, Liviu P. Dinu, **2019**. *Studying Laws of Semantic Divergence across Languages using Cognate Sets*. In Proc. 1st International Workshop on Computational Approaches to Historical Language Change 2019 (co-located with **ACL 2019**), Firenze, Italy, August 2, 2019.
15. Ana Uban, Liviu P. Dinu, **2019**. *On Transfer Learning for Detecting Abusive Language Online*. In Proc. **IWANN 2019**, Gran Canaria, Spain, June 12-14, 2019, LNCS, vol.11506, p. 688-700, 2019.
16. Ana Uban, Alina Ciobanu, Liviu P. Dinu, 2019. *A Computational Approach to Measuring the Semantic Divergence of Cognates*. In Proc. **CICLING 2019**, La Rochelle, France
17. Octavia-Maria Sulea, Steve Young, Liviu P. Dinu, 2019. *MorphoGen: Full Inflection Generation Using Recurrent Neural Networks*. In Proc. **CICLING 2019**, La Rochelle, France
18. Liviu P. Dinu, Bogdan Dumitru, Alex Popa, **2019**. *Algorithms for closed and farthest string problems via rank distance*. In Proc. **TAMC 2019** (Theory and Applications of Models of Computation), Springer LNCS Volume Number 11436, Kitakyushu, Japan, April 13-16, 2019.
19. Cornelia Caragea, Liviu P. Dinu, Bogdan Dumitru, **2018**. *Exploring Optimism and Pessimism in Twitter Using Deep Learning*. In Proc. **EMNLP 2018**, p 652-658, Brussels, Belgium, 2018 .
20. Sergiu Nisioi, Anca Bucur, Liviu P Dinu, **2018**. *Lexical Analysis and Content Extraction from Customer-Agent Interactions*. Proceedings of the **2018 EMNLP Workshop W-NUT: The 4th Workshop on Noisy User-generated Text**, pages 132–136 Brussels, Belgium, 2018.
21. Alina Maria Ciobanu, Shervin Malmasi, Liviu P. Dinu, **2018**. *German Dialect Identification Using Classifier Ensembles*. Proceedings of the Fifth Workshop on NLP for Similar Languages, Varieties and Dialects (**VarDial 2018**, co-located with COLING 2018), pages 288–294 Santa Fe, New Mexico, USA, August 20, 2018.
22. Alina Maria Ciobanu , Marcos Zampieri, Shervin Malmasi, Santanu Pal, Liviu P. Dinu, **2018**. *Discriminating between Indo-Aryan Languages Using SVM Ensembles*. Proceedings of the Fifth Workshop on NLP for Similar Languages, Varieties and Dialects (**VarDial 2018**, co-located with COLING 2018), pages 178–184, Santa Fe, New Mexico, USA, August 20, 2018.
23. Alina Ciobanu, Liviu P. Dinu, **2018**. *Ab Initio: Latin Proto-word Reconstruction*. In Proc. **COLING 2018 (main conference)**, p. 1604-1614, Santa Fe, USA, 2018 .
24. Alina Ciobanu, Liviu P. Dinu, **2018**. *Simulating Language Evolution: A Tool for Historical Linguistics*. In Proc. **COLING 2018 (demo section)**, pp68-72, Santa Fe, USA, 2018



25. Bogdan Dumitru, Alina Ciobanu, Liviu P Dinu, **2018**. *ALB at SemEval-2018 Task 10: A System for Capturing Discriminative Attributes*. In Proc **SemEval 2018**, task 10. New Orleans, USA, 2018
26. Anca Dinu, Liviu P. Dinu, Laura Franzoi and Andrea Sgarro, **2018**. Steinhaus transforms of fuzzy string distances in computational linguistics, **IPMU 2018**, p 171-182, Cadiz, Spain.
27. Maria Sulea, Bogdan Dumitru, Liviu P. Dinu. *Full Inflection Learning Using Deep Neural Networks*, **CICLing 2018**, Hanoi, Vietnam, 2018
28. Liviu P Dinu, Ana Uban, **2018**. *Analyzing Stylistic Variation across Different Political Regimes*, **CICLing 2018**, Hanoi, Vietnam, 2018
29. Alina Maria Ciobanu, Marcos Zampieri, Shervin Malmasi, Liviu P. Dinu, **2017**. *Including Dialects and Language Varieties in Author Profiling*. **CLEF (Working Notes) 2017**, Dublin, Ireland, 2017
30. Marcos Zampieri, Alina Maria Ciobanu, Liviu P. Dinu, **2017**. *Native Language Identification on Text and Speech*. **BEA@EMNLP 2017**., p.398-404. Copenhagen, Denmark, **2017**
31. Anca Dinu, Liviu P. Dinu, Bogdan Dumitru, **2017**. *On the stylistic evolution from communism to democracy: Solomon Marcus study case*. **RANLP 2017**, p 201-207. Varna, Bulgaria.
32. Sergiu Nisioi, Sanja Štajner, Simone Paolo Ponzetto and Liviu P. Dinu, **2017**. *Exploring Neural Text Simplification Models*, In Proc. **ACL 2017**, Vancouver, Canada, 2017
33. Liviu P. Dinu, Ana Sabina Uban, **2017**. *Finding a Character's Voice: Stylome Classification on Literary Characters*. In Proc. Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature (co-located with ACL 2017), Vancouver, Canada, 2017
34. Alina Ciobanu, Liviu P. Dinu, and Andrea Sgarro, **2017**. *Towards a Map of the Syntactic Similarity of Languages*. In Proc. **CICLing 2017**, Budapest, Hungary, 2017
35. Alina Maria Ciobanu, Liviu P. Dinu, **2017**. *Romanian Word Production: an Orthographic Approach Based on Sequence Labeling*, In Proc. **CICLing 2017**, Budapest, Hungary, 2017
36. Liviu P. Dinu, Ana Sabina Uban, Ion Resceanu, 2016. *Light: a Multilingual Distributional Analysis in Religious and Political Texts*. In ed. St Bratosin, M. Tudor, RELIGION(S), LAÏCITÉ(S) ET SOCIÉTÉ(S) AU TOURNANT DES HUMANITÉS NUMÉRIQUES (actes du 3e colloque Comsymbol 2016), Montpellier, France, 9-10 novembre 2016.
37. Marcos Zampieri, Shervin Malmasi, Octavia-Maria Sulea, Liviu P. Dinu, **2016**. *A Computational Approach to the Study of Portuguese Newspapers Published in Macau*. Proceedings of the Workshop on Natural Language Processing Meets Journalism (**NLPMJ**). New York, United States, 10th July 2016.
38. Alina Maria Ciobanu, Liviu P. Dinu. *A Computational Perspective on the Romanian Dialects*. In Proc. **LREC 2016** (10th International Conference on Language Resources and Evaluation), Portoroz, Slovenia, 23-28 mai 2016
39. Sergiu Nisioi, Ella Rabinovich, Liviu P. Dinu, Shuly Wintner, 2016. *A Corpus of Native, Non-native and Translated Texts*. In Proc. **LREC 2016** ( 10th International Conference on Language Resources and Evaluation), Portoroz, Slovenia, 23-28 mai 2016
40. Octavia-Maria Şulea, Sergiu Nisioi and Liviu P. Dinu. *Using Word Embeddings to Translate Named Entities*. In Proc. **LREC 2016** ( 10th International Conference on Language Resources and Evaluation), Portoroz, Slovenia, 23-28 mai 2016
41. Traian Florin Serbanuta, Liviu P. Dinu. *Maximally Parallel Contextual String Rewriting*. In Proc. **WRLA 2016** (11th International Workshop on Rewriting Logic and its Applications), Eindhoven, The Netherlands, April 2nd and 3rd, 2016.
42. Gabriel Istrate, Cosmin Bonchiş and Liviu Dinu, 2016. *The Minimum Entropy Submodular Set Cover Problem*. In Proc. **LATA 2016** (Language and Automata Theory and Applications - 10th International Conference), LNCS, p 295-306, Prague, March 14-18, 2016.
43. Luca Bortolussi, Liviu P. Dinu, Laura Franzoi, Andrea Sgarro, 2015. *Coding theory: a general framework and two inverse problems*. **Fundamenta Informaticae** 141(4): 297-310 (2015)
44. Anca Dinu, Liviu P. Dinu, Ana Sabina Uban, 2015. *Cross lingual synonymy overlapping*. In Proc. **RANLP 2015** (Recent Advances in Natural Language Processing), Hissar, Bulgaria, September 5-11, 2015.

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