

Curriculum Vitae

Liviu P. Dinu

Personal Data:

- Name: Liviu Petrisor Dinu
- Date of birth: May, 18, 1970, Slatina, Olt, Romania
- Address: University of Bucharest, Faculty of Mathematics and Computer Science, Bucharest, 14 Academiei st., 010014, Romania
- E-mail: ldinu@fmi.unibuc.ro, liviu.p.dinu@gmail.com
- Web page: <http://nlp.unibuc.ro/people/liviu.html>
- Citizenship: Romanian
- Married, one daughter.

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).
- Honorary president of Romanian Linguistics Olympiad „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.

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 four chapters in books;
- Author or co-author of 127 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 Catalonia, Barcelona, Spain.
13. **1996, August:** 13th summer school Villem Mathesius, Charles University, Prague, Czech.

Funded Research Projects:

I. National:

A. Project manager:

1. *Intelligent Systems for Automatic Response Generation*. Project 53BG/ 2016, funded by Romanian National Authority for Scientific Research and Innovation (duration: 2 years)
2. *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)
3. *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).
4. *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)
5. *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).
6. *PC Program for the identification of text paternity*. Project 18/2007 funded in the competition organized by the Romanian Writer's Union
7. *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. *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.
2. *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.
3. *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.
4. *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.
5. *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.
6. *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.
7. *Cryptographic system with parallel architecture and evolutive keys*. Project manager Monica Dascălu. Funded by the Romanian Space Agency, Security Programme, 2005.
8. *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).
9. *Electronic dictionary of Romania morphology*. Project manager: Emil Ionescu. Funded by CNCSIS, comission 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

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, CSTA 2013, JSSP 2013, VarDial 2014, 2015, 2016, 2017, 2018, 2019, 2020, LRE-Rel2, LT4CloseLang 2 - VarDial 2 2015, NAACL 2016, EMNLP 2016, ACL 2017, 2020, RAAI 2017, 2018, 2019 (founder and general chair) 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
- PhD students: Sergiu Nisioi, Ana Uban, Bogdan Dumitru, Cristina Moise, Dani Onita
- Former students (MSc, BS): Cristian Danescu-Niculescu-Mizil (Cornell University), Vlad Niculae (Instituto de Telecomunicações, Lisbon, Portugal), Georgiana Dinu (Amazon), Andrei Rusu (DeepMind), Laura Bostan (University of Stuttgart), Ionut Sorodoc (Pompeu-Fabra University), Maria Pandele (EPFL, Lausanne), etc.

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 Loan Words*. 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), “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.

January, 2020

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. 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.
2. 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.
3. 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.
4. 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. 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.
2. 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
3. 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
4. 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
5. 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.
6. 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.
7. 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
8. Octavia-Maria Sulea, Steve Young, Liviu P. Dinu, 2019. *MorphoGen: Full Inflection Generation Using Recurrent Neural Networks*. In Proc. **CICLING 2019**, La Rochelle, France
9. 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.
10. 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 .

11. 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.
12. 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.
13. 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.
14. 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.
15. 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
16. 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
17. 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.
18. Maria Sulea, Bogdan Dumitru, Liviu P. Dinu. *Full Inflection Learning Using Deep Neural Networks*, **CICLing 2018**, Hanoi, Vietnam, 2018
19. Liviu P Dinu, Ana Uban, **2018**. *Analyzing Stylistic Variation across Different Political Regimes*, **CICLing 2018**, Hanoi, Vietnam, 2018
20. 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
21. 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**
22. 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.
23. Sergiu Nisioi, Sanja Štajner, Simone Paolo Ponzetto and Liviu P. Dinu, **2017**. *Exploring Neural Text Simplification Models*, In Proc. **ACL 2017**, Vancouver, Canada, 2017
24. 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
25. 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
26. Alina Maria Ciobanu, Liviu P. Dinu, **2017**. *Romanian Word Production: an Orthographic Approach Based on Sequence Labeling*, In Proc. **CICLing 2017**, Budapest, Hungary, 2017
27. 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.
28. 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.
29. 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
30. 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

31. 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
32. 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.
33. 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.
34. 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)
35. 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.
36. Alina Maria Ciobanu, Liviu P. Dinu, Flaviu Pepelea, 2015. *Readability Assessment of Translated Texts*. In Proc. **RANLP 2015** (Recent Advances in Natural Language Processing), Hissar, Bulgaria, September 5-11.
37. Liviu P. Dinu, Alexandra Peşte, Octavia-Maria Şulea, 2015. *Using NLP Specific Tools for non-NLP Specific Tasks. A Web Security Application*. In Proc. 22nd International Conference on Neural Information Processing (**ICONIP 2015**), November 9-12, 2015 Istanbul ,Turkey .
38. Alina Maria Ciobanu, Liviu P. Dinu, 2015. *Automatic Discrimination between Cognates and Borrowings*. In Proc. **ACL (2) 2015** (the 53rd Annual Meeting of the Association for Computational Linguistics), July 26-31, 2015, Beijing, China, p. 431-437.
39. Marcos Zampieri, Alina Maria Ciobanu, Vlad Niculae, and Liviu P. Dinu, 2015. *AMBRA: A Ranking Approach to Temporal Text Classification*. In Proc. of the 9th International Workshop on Semantic Evaluation (**SemEval 2015**), June 4-5, 2015 (co-located with NAACL-2015 in Denver, Colorado), p. 851-855.
40. Alina Maria Ciobanu, Liviu P. Dinu, 2014. *An Etymological Approach to Cross-Language Orthographic Similarity. Application on Romanian*. In Proc. **EMNLP 2014** (Conference on Empirical Methods in Natural Language Processing), October 25–29, 2014, Doha, Qatar, p.1047-1058.
41. 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), June 22-27, 2014, Baltimore, MD, USA, p. 99-105.
42. 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), April 26-30, 2014, Gothenburg, Sweden, p. 64-68.
43. Vlad Niculae, Marcos Zampieri, Liviu P. Dinu, Alina Maria Ciobanu, 2014. *Temporal Text Ranking and Automatic Dating of Texts*. In Proc. **EACL 2014** (the 14th Conference of the European Chapter of the Association for Computational Linguistics), April 26-30, 2014, Gothenburg, Sweden, p. 17-21.
44. Alina Maria Ciobanu, Liviu P. Dinu, 2014. *A Quantitative Insight into the Impact of Translation on Readability*. In Proc. **PITR 2014** (3rd Workshop on Predicting and Improving Text Readability for Target Reader Populations; co-located with EACL 2014), April 26-30, 2014, Gothenburg, Sweden, p. 104–113.
45. Liviu P. Dinu, Radu Gramatovici, Florin Manea, 2014. *Syllabic Languages and Go-through Automata*. **Fundamenta Informaticae** 131(3-4), p. 409-424 (2014)
46. Liviu P. Dinu, Radu-Tudor Ionescu, 2014. *Clustering based on median and closest string via rank distance with applications on DNA*. **Neural Computing and Applications** 24(1), p. 77-84 (2014)
47. 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
48. Anca Dinu, Liviu P. Dinu, Ionut Sorodoc, 2014. *Aggregation methods for efficient collocation detection*. In Proc. **LREC 2014** (9th International Conference on Language Resources and Evaluation), Reykjavik, Iceland, 26-31 may 2014, p. 4041-4045

49. Ioana Chitoran, Alina Ciobanu, Liviu P. Dinu, Vlad Niculae, 2014. *Using a machine learning model to assess the complexity of stress systems*. In Proc. **LREC 2014** (9th International Conference on Language Resources and Evaluation), Reykjavik, Iceland, 26-31 may 2014, p. 331-336.
50. Alina Ciobanu, Liviu P. Dinu, 2014. *On the Romance Languages Mutual Intelligibility*. In Proc. **LREC 2014** (9th International Conference on Language Resources and Evaluation), Reykjavik, Iceland, 26-31 may 2014, p. 3313-3318.
51. Alina Ciobanu, Liviu P. Dinu, 2014. *Building a Dataset of Multilingual Cognates for the Romanian Lexicon*. In Proc. **LREC 2014** (9th International Conference on Language Resources and Evaluation), Reykjavik, Iceland, 26-31 may 2014, p. 1038-1043.
52. Liviu P. Dinu, Octavia-Maria Șulea, 2013. *Theoretical and Computational Aspects of Romanian Morphology*. In: *Towards Multilingual Europe 2020: A Romanian perspective*, Editors: Dan Tufiș, Vasile Rus, Corina Forăscu. Editura Academiei Romane, 2013 (ISBN 978-973-27-2282-4.), p. 37-56.
53. Liviu P. Dinu, Radu-Tudor Ionescu, 2013. *An Efficient Algorithm for Rank Distance Consensus*. In Proc. **AiXIA 2013** (XIII Conference of the Italian Association for Artificial Intelligence), Turin (Italy), December 4-6, 2013, LNCS, Springer, p. 505-516.
54. Liviu P. Dinu, Vlad Niculae, Octavia-Maria Sulea, 2013. *Sequence Tagging for Verb Conjugation in Romanian*. In Proc. **RANLP 2013** (Recent Advances in Natural Language Processing), Hissar, Bulgaria, 7-13 September 2013, p.215–220
55. Alina Ciobanu, Anca Dinu, Liviu P. Dinu, Vlad Niculae, Octavia-Maria Sulea, 2013. *Temporal Text Classification for Romanian Novels set in the Past*. In Proc. **RANLP 2013** (Recent Advances in Natural Language Processing), Hissar, Bulgaria, 7-13 September 2013, p. 136–140.
56. Alina Ciobanu, Liviu P. Dinu, 2013. *A Dictionary-Based Approach for Evaluating Orthographic Methods in Cognates Identification*. In Proc. **RANLP 2013** (Recent Advances in Natural Language Processing), Hissar, Bulgaria, 7-13 September 2013, p. 141–147.
57. Sergiu Nisioi, Liviu P. Dinu, 2013. *A Clustering Approach for Translationese Identification*. In Proc. **RANLP 2013** (Recent Advances in Natural Language Processing), Hissar, Bulgaria, 7-13 September 2013, p. 532–538.
58. Liviu P. Dinu, Vlad Niculae, Octavia-Maria Sulea, 2013.: *Romanian Syllabication Using Machine Learning*. In Proc. **TSD 2013** (Text, Speech, and Dialogue - 16th International Conference) Pilsen, Czech Republic, September 1-5, 2013. LNCS, Springer 2013, pp 450-456.
59. Alina Ciobanu, Anca Dinu, Liviu P. Dinu, Vlad Niculae, Octavia-Maria Sulea, 2013. *Temporal classification for historical Romanian texts*. In Proc. **LATECH 2013**(the 7th Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities, co-located with ACL 2013), Sofia, Bulgaria, August 8 2013, p. 102–106.
60. Liviu P. Dinu, Sergiu Nisioi, 2013. *Using Ranks in Stylometric Analysis*. In **CICLING 2013**, Samos, Greece, March 2013 (poster).
61. Alina Ciobanu, Liviu P. Dinu, 2012. *On the Romanian rhyme detection*. In Proc. **COLING 2012** (demo), (24th International Conference on Computational Linguistics), 8-15 December 2012, Mumbai, India, p. 87-94.
62. Liviu P. Dinu, Sergiu Nisioi, 2012. *Authorial studies using ranked lexical features*. In Proc. **COLING 2012** (demo), (24th International Conference on Computational Linguistics), 8-15 December 2012, Mumbai, India, p. 125-130.
63. Liviu P Dinu, Vlad Niculae, Octavia-Maria Sulea, 2012. *Dealing with the grey sheep of the Romanian gender system, the neuter*. In Proc. **COLING 2012** (demo), (24th International Conference on Computational Linguistics), 8-15 December 2012, Mumbai, India, p. 119-124.
64. Antonella Delmestri, Liviu P. Dinu, 2012. *An Assessment of String Similarity Methods for Cognate Identification*. In *Methods and Applications of Quantitative Linguistics. Selected papers of the 8th International Conference on Quantitative Linguistics (QUALICO 2012)*, Belgrad, Serbia, april 26-29 2012, p. 152-163. Publisher: University of Belgrad (ISBN 978-86-7466-465-0).
65. Liviu P. Dinu, Radu-Tudor Ionescu, Marius Popescu, 2012. *Local Patch Dissimilarity for Images*, In Proc. **ICONIP 2012** (Neural Information Processing - 19th International Conference), Doha, Qatar, November 12-15, 2012, LNCS 7663, p. 117–126.

66. Liviu P. Dinu, Radu-Tudor Ionescu, 2012. *Clustering based on Rank Distance with Applications on DNA*. In Proc. **ICONIP 2012** (Neural Information Processing - 19th International Conference), Doha, Qatar, November 12-15, 2012, LNCS 7667, p. 722-729.
67. Liviu P. Dinu, Radu-Tudor Ionescu, 2012. *An Efficient Rank Based Approach for Closest String and Closest Substring*. **PLoS ONE** 7(6):e37576.doi:10.1371/journal.pone.0037576
68. Liviu P. Dinu, Radu-Tudor Ionescu, 2012. *Clustering Methods based on Closest String via Rank Distance*. In Proc. **SYNASC 2012** (14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing), Timisoara, Romania, September 26-29, 2012, p. 207-213 (publisher: IEEE).
69. Liviu P. Dinu, Radu-Tudor Ionescu, 2012. *A Rank-based Approach of Cosine Similarity with Applications in Automatic Classification*. In Proc. **SYNASC 2012** (14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing), Timisoara, Romania, September 26-29, 2012, p. 260-264 (publisher: IEEE).
70. Liviu P. Dinu, Alexandru Popa, 2012. *On the Closest String via Rank Distance*. In Proc. **CPM 2012** (Combinatorial Pattern Matching - 23rd Annual Symposium), Helsinki, Finland, July 3-5, 2012, LNCS, Springer, p. 413-426.
71. Liviu P. Dinu, Vlad Niculae, Octavia-Maria Sulea, 2012. *The Romanian Neuter Examined Through A Two-Gender N-Gram Classification System*. In Proc. **LREC 2012** (the 8th International Conference on Language Resources and Evaluation), Istanbul, Turkey, May 23-25, 2012, p. 907-910.
72. Anca Dinu, Liviu P. Dinu, Alina Resceanu, Ion Resceanu. *Some issues on the authorship identification in the Apostles' Epistles*. In Proc. **LRE-Rel 2012** (first LRE-Rel Workshop on Language Resources and Evaluation for Religious Texts, co-located with LREC 2012), Istanbul, Turkey, May 23-25, 2012, p. 18-24.
73. Liviu P. Dinu, Vlad Niculae, Octavia-Maria Sulea, 2012. *Learning How to Conjugate the Romanian Verb. Rules for Regular and Partially Irregular Verbs*. In Proc. **EACL 2012** (13th Conference of the European Chapter of the Association for Computational Linguistics), Avignon, France, April 23-27, 2012, p. 524-529.
74. Liviu P. Dinu, Vlad Niculae, Octavia-Maria Sulea, 2012. *Pastiche detection based on stopword rankings. Exposing impersonators of a Romanian writer*. Proc. of the EACL 2012 Workshop on **Computational Approaches to Deception Detection**, Avignon, France, April 23-27, 2012, p. 72-77.
75. Iulia Danaila, Liviu P. Dinu, Vlad Niculae and Maria-Octavia Sulea, 2012. *String distances for near-duplicate detection*. In **Cicling 2012** (poster), New Delhi, India. Published also in: **Polibits** 45, 21-26, 2012.
76. Liviu P. Dinu, Iulia Iuga, 2012. *The Naive Bayes Classifier in Opinion Mining: In Search of the Best Feature Set*. In Proc. **CICLing 2012** (Computational Linguistics and Intelligent Text Processing - 13th International Conference), New Delhi, India, March 11-17, 2012, LNCS, Springer, p. 556-567.
77. Luca Bortolussi, Liviu P. Dinu, Andrea Sgarro. 2012. *Spearman Permutation Distances and Shannon's Distinguishability*, **Fundamenta Informaticae** 118 (3), 245-252.
78. 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.
79. Luca Bortolussi, Liviu P. Dinu, Andrea Sgarro, 2011. *Geometry of strings and possibilistic coding*. Proc. **ASMDA 2011** (the 14th Conference on Applied Stochastic Models and Data Analysis). Rome, Italy, 7-10 June 2011, ISBN: 9788846730459.
80. Liviu P. Dinu, Emil Ionescu, Vlad Niculae, Octavia-Maria Sulea, 2011. *Can Alternations Be Learned? A Machine Learning Approach To Romanian Verb Conjugation*. In Proc. **RANLP 2011** (Recent Advances in Natural Language Processing), 12-14 September, 2011, Hissar, Bulgaria, p. 539-544.
81. Tiberiu Danet, Liviu P. Dinu, 2011. *Meta-search: aggregating search engine results using rank-distance*. **SISAP 2011** (4th International Conference on Similarity Search and Applications), Lipari Island, Italy, June 30 - July 01, p. 111-112.
82. Liviu P. Dinu, Florin Ghetu, 2011. *Circular Rank Distance: A New Approach for Genomic Applications*. In Proc. **BIOKDD 2011** (2nd International Workshop on Biological Knowledge

- Discovery and Data Mining, co-located with DEXA 2011) **DEXA Workshops 2011**, Toulouse, France, August 29 - Sept. 2, 2011, p. 397-401.
83. Liviu P. Dinu, Radu Ionescu. *A Genetic Approximation of Closest String via Rank Distance*. In Proc. **SYNASC 2011** (13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing), Timisoara, Romania, September 26-29, 2011, p. 207-214.
 84. Liviu P. Dinu, 2010. *Contextual grammars and linguistic segmentation*. **Analele Univ. din Bucuresti**, seria matematica-Informatica, p. 5-16, LIX, 2010
 85. Liviu P. Dinu. 2010. *A rank based multi-classifier system in text categorization*. In Proc. **SMTDA 2010** (The international conference on Stochastic Modeling Techniques and Data Analysis (SMTDA '10), Chania, Greece, June 8-11, 2010 (<http://smta.net/>))
 86. Liviu P. Dinu, Andrei Rusu, 2010. *Rank Distance Aggregation as a Fixed Classifier Combining Rule for Text Categorization*. In Proc. **CICLing 2010** (Computational Linguistics and Intelligent Text Processing, 11th International Conference), Iasi, Romania, March 21-27, 2010, LNCS 6008, Springer, p.638-647.
 87. Liviu P. Dinu, Marius Popescu, 2009. *Ordinal measures in authorship identification*. In Proc. 3rd PAN workshop. **Uncovering plagiarism, authorship and social software misuse.(PAN'09)**, San Sebastian, september (Universidad politecnica de Valencia, ref.: 2009.2086), p. 62-66.
 88. Liviu P. Dinu, Marius Popescu, 2009. *Comparing statistical similarity measures for stylistic multivariate analysis*. In Proc. **RANLP 2009** (Recent Advances in Natural Language Processing), Borovets, Bulgaria, 14-16 september 2009, p. 349-354.
 89. Anca Dinu, Liviu P. Dinu, 2009. *On the behavior of Romanian syllables related to minimum effort laws*. In Proc. Int. **Workshop Multilingual resources**, technologies and evaluation for central and Eastern European languages (co-located with RANLP 2009), Borovets, Bulgaria, 14-16 september 2009, p. 9-13.
 90. Liviu P Dinu, Marius Popescu, 2009. *Language independent kernel method for classifying texts with disputed paternity*. In Proc. **ASMDA 2009** (The XIIIth Int. conf. Applied Stochastic Models and Data Analysis), june 30-july 3, 2009, Vilnius, p. 66-70 (ISBN 978-9955-28-463-5).
 91. Liviu P. Dinu. 2009. *On the insertion grammars with parallel derivation*. **Fundamenta Informaticae**, 93 (4), p. 357-369
 92. Liviu P. Dinu, Andrea Sgarro, 2008. *Maximal rank distance for binary sequences*. **Mathematica Pannonica**, 19(1), 125-135 (ISSN 0865-2090).
 93. Liviu P. Dinu, Marius Popescu, Anca Dinu, 2008. *Authorship identification of Romanian texts with controversial paternity*. In Proc. **LREC 2008** (The 6th International Language Resources and Evaluation), 28-30 may 2008, Marrakech, Maroc, p. 3392-3397.
 94. Luca Bortolussi, Liviu P. Dinu, Andrea Sgarro, 2008. *Measures of fuzzy disarray in linguistic typology*. In Proc. **IPMU 2008** (The 12th conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems), Malaga, Spain, 22-27 june 2008, p. 167-172 (ISBN/ISSN 978-84-612-3061-7).
 95. Marius Popescu, Liviu P. Dinu, 2008. *Rank distance as a stylistic similarity*. In Proc. **COLING 2008** (The 22nd Int. Conf. On Computational Linguistics –short paper), Manchester, 18-22 august 2008, p. 91-94.
 96. Liviu P. Dinu, Marius Popescu, 2008. *A multi-criteria decision method based on rank distance*. **Fundamenta Informaticae**, 86(1-2), p. 79-91.
 97. Liviu P. Dinu, Ioan Tomescu, 2008. *From rankings' collinearity to counting SDR via chromatic list expression*, **Int. J. of Computing Mathematics**, 86(9), p. 1483-1489.
 98. Liviu P. Dinu, Andrea Sgarro, 2008. *L'ordine delle parole*. **Rivista internazionale di tecnica della traduzione-Int. J. of Translation**, 10 (2008), p. 71-80. (ISBN 978-88-8303-253-0, Edizioni Universita di Trieste)
 99. Liviu P. Dinu, Marius Popescu, 2007. *Kernel methods and string kernels for authorship identification: The Federalist Papers case*. In Proc. **RANLP 2007** (Recent Advances in Natural Language Processing), september 27-29, 2007, Borovets, Bulgaria, p. 484-487 (ISBN 078-954-91743-7-3).
 100. Liviu P. Dinu. *From natural language processing to computational biology and back*. In **Grigore C Moisil and his followers**. Publishing House of the Romanian Academy, Bucharest, 2007, p. 319-325.

101. Liviu P. Dinu, Radu Gramatovici, Florin Manea, 2007. *On the syllabification of words via go-through automata*. In Proc. **LATA 2007** (1st International Conference on Language and Automata Theory and Applications), March 29 - April 4, 2007, Tarragona, Spain, p. 223-235.
102. 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 (printed in Singapore), 2007, 512-520 (ISBN -13 978-981-270-968-4, ISBN-10 981-270-968-1).
 - Published also in Proceedings XIIth Applied Stochastic Models and Data Analysis International Conference (**ASMDA2007**), Chania, Creta, Greece, May29-June 1, 2007.
103. 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., 2007, 521-529 (ISBN -13 978-981-270-968-4, ISBN-10 981-270-968-1).
 - Published also in Proceedings XIIth Applied Stochastic Models and Data Analysis International Conference (**ASMDA2007**), Chania, Creta, Greece, May29-June 1, 2007.
104. Liviu P. Dinu, Florin Manea, 2006. *An efficient approach for the rank aggregation problem*. **Theoretical Computer Science**, 359 (1-3), p. 455-461.
105. Anca Dinu, Liviu P. Dinu, 2006. *Total rank distance and scaled total rank distance: two alternative metrics in computational linguistics* In Proc. of the **Workshop on Linguistic Distances** (workshop at the joint conference of Int. Committee on Computational Linguistics and the Association for Computational Linguistics, ACL-COLING 2006), Sydney, July, 2006, p.109-117, ISBN 1-932432-83-3
106. Liviu P. Dinu, 2006. *On the behavior of certain metrics on the permutation group*. **Proceedings of the Romanian Academy**, series A, 7 (2), p. 105-110 (ISSN 1454-9069)
107. Anca Dinu, Liviu P. Dinu, 2006. *How can 'rank distance' help in development of CALL material? (A comparative study of needs analyses for producing e-material)* In Proc. **EuroCall 2006**, Granada, Spain, September, 2006.
108. Liviu P. Dinu, Andrea Sgarro, 2006. *A low-complexity distance for DNA strings*, **Fundamenta Informaticae**, 73(3), 361-372.
109. Liviu P. Dinu, 2006. *On the quantitative and formal aspects of the Romanian syllables*, **Revue Roumaine de Linguistique**, LI(3-4), 477-498.
110. Liviu P. Dinu, Anca Dinu, 2006. *On the data base of Romanian syllables and some of its quantitative and cryptographic aspects*. In Proc. **LREC 2006** (The 5th International Language Resources and Evaluation), Genova, Italy, may 2006, p. 1795-1799 (ISBN 2-9517408-2-4)
111. Liviu P. Dinu, Andrea Sgarro, 2006. *Rank distance: a soft tools for comparison of DNA strings*. In Proc. **IPMU 2006** (11th Int. Conf. on Information Processing and Management of Uncertainty in Knowledge-based Systems), Les Cordeliers, Paris, France, July 2006, p. 2791-2799 (ISBN 2-84254-112-X).
112. Liviu P. Dinu, 2005. *A linear-time approach for the similarity of rankings*. **Analele Universitatii Bucuresti**, seria Matematica –Informatica, LIV, p. 45-55.
113. Liviu P. Dinu, 2005. *Rank Distance with Applications in Similarity of Natural Languages*. **Fundamenta Informaticae**, 64(1-4), p. 135-149.
114. Anca Dinu, Liviu P. Dinu, 2005. *A parallel approach to syllabifications*. In Proc. **CICling 2005** (Computational Linguistics and Intelligent Text Processing, 6th International Conference), Mexico City, Mexico, February 13-19, LNCS 3406, Springer, p. 83-87.
115. Anca Dinu, Liviu P. Dinu, 2005. *On the syllabic similarities of Romance languages*. In Proc. **CICling 2005** (Computational Linguistics and Intelligent Text Processing, 6th International Conference), Mexico City, Mexico, February 13-19, LNCS 3406, Springer, p. 785-788.
116. Liviu P. Dinu, 2004. *Quantitative aspects in the study of languages*. **Bull. of EATCS**, 82 (February), p. 380-382.
117. Liviu P. Dinu, 2003. *On the classification and aggregation of hierarchies with different constitutive elements*. **Fundamenta Informaticae**, 55(1), p. 39-50.
118. Liviu P. Dinu, 2003. *An approach to syllables via some extensions of Marcus-contextual grammars*. **Grammars** 6(1), p. 1-12.

119. Anca Dinu, Liviu P. Dinu, 2003. *On the Categorization via Rank Distance*. In Proc. **ESSLLI 2003 Student Session** (VIII Student Session, European Summer School on Logic, Language and Information), 18-29 august 2003, Viena, Austria, p. 95-103.
120. Liviu P. Dinu, 2003. *Rank distance in Mathematical Linguistics*. **Analele Universitatii Bucuresti**, seria Matematica -Informatica, LII(1), p. 67-73.
121. Liviu P. Dinu, 2003. *On the density of certain languages*. **Romanian Journal of Information Science and Technology**, 6(3-4), p. 275-281.
122. Andrea Sgarro, Liviu P. Dinu 2002. *Possibilistic entropies and the compression of possibilistic data*. **Int. Journal of Uncertainty, Fuzziness and Knowledge-based Systems**, 10(6), p. 635-653.
123. Liviu P. Dinu, 1997. *The alphabet of syllables with applications in the study of rime frequency*. **Analele Universitatii din Bucuresti**, seria matematica-informatica, XLVI (1), p. 39-44.
124. T. Angelescu, D. Dascalu, Liviu P. Dinu, C. Gangu, A. Mihul, A. Radu, A. Vasilescu. *Optimization of Silicon and Diamond Microstrip Detectors for High Flux Density Experiments*. In Proc. **MIXDES '97** (4th International Workshop Mixed Design of Integrated Circuits and Systems Education of Computer Aided Design of modern Devices and Ics), 12-14 iunie 1997, Poznan – Polonia, p. 511-516.
125. T. Angelescu, D. Dascalu, L. Dinu, C. Gangu, A. Mihul, A. Vasilescu. *A Microstrip Silicon Detector in hypernuclei Electroproduction Studies*. In Proc. **MIXDES 1996** (3th Advanced Trening Course MIXDES, Mixed Design of Integrated Circuits and Systems), 30 mai-1 iunie 1996, Lodz, Polonia, p. 488-493.
126. C. Gingu, L. DINU, D. Dascalu, T. Angelescu, A. Mihul, A. Vasilescu. *Designing and Simulation Results for a Silicon Microstrip Sensor*. In Proc. **MME'96** (The 7th Workshop on Micromachining, Micromechanics and Microsystems- Micro Mechanics Europe), Barcelona - Spania, oct. 21-22, 1996.
127. T. Angelescu, D. Dascalu, L. Dinu, C. Gangu, A. Mihul. *Conditii de Proiectare a unui Detector Microstrip cu Siliciu pentru Electroni Rapizi la Fluente Mari*. In Proc. al V-lea Colocvii National de Fizica si Tehnologia Materialelor Cristaline si Amorfe, Iasi, 13-14 iunie 1996, Romania, p.226-227.

January, 2020

Liviu P. Dinu