



## CURRICULUM VITAE

January, 2020

**Rinaldo José Lima**



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**Nationality:** Brazilian

**Languages:** Portuguese (native), French, and English

**Teaching:** Graduate and Undergraduate Program in Computer Science at DC/UFRPE.

**Research:** Coordinator of the Text Mining Group at UFRPE, Brazil.

**Professional Address:**

Department of Computing (DC), Federal Rural University of Pernambuco (UFRPE).

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**Research Gate:** [https://www.researchgate.net/profile/Rinaldo\\_Lima2](https://www.researchgate.net/profile/Rinaldo_Lima2)

**Text Mining Group/UFRPE:** <https://tmgufrpe.github.io/>

**Rinaldo Lima** is currently Assistant Professor at the *Departamento de Computação* (DC)/UFRPE.

### ACADEMIC FORMATION

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- 2010-2014: **PhD in Artificial Intelligence.** Supervisor: Fred Freitas.  
Doctoral Thesis (in English): “*OntoILPER: An Ontology- and Inductive Logic Programming-based Method to Extract Instances of Entities and Relations from Texts*” (Defended in August/2014) at the Federal University of Pernambuco (UFPE) with a sandwich period at the “*Laboratoire de Sciences de l’Information et des Systèmes*” (LSIS) - Co-supervisor: Prof. Bernard Espinasse.  
Available at: <https://drive.google.com/file/d/0Bwz2VL8V8LBrWnpOeF91RzVMbEU/view>  
Research funded by Brazilian Coordination for Improvement of Higher Education Personnel (CAPES)
- 2007-2009: **Masters in Artificial Intelligence.** Supervisor: Fred Freitas.  
Masters Dissertation (in French): “*Extraction d’Information Adaptative de Pages Web par Induction Supervisée d’Extracteurs*” (Defended in July/2009) at the UFPE with a sandwich period at the LSIS, Co-supervisor: Prof. Bernard Espinasse. Available at: <https://drive.google.com/file/d/0Bwz2VL8V8LBrUE1teWM3Z2pQbZg/view>
- 1993-1998: Bachelor in Computer Science, UFPE (July, 1998).

### PROFESSIONAL ACTIVITIES

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- 2015 – present: Assistant Professor in Computer Science at the DC, UFRPE, Recife, Brazil.
- 2001-2006: Data warehousing consultant, TIM S.A., Recife, PE, Brazil.
- 2000-2000: Oracle Reports and PL/SQL Programmer, MV Sistemas, Recife, PE, Brazil.
- 1999-1999: Delphi Programmer, INFORMATA, Recife, PE, Brazil.
- 1997-1998: Web Programmer, SUDENE, Recife, PE, Brazil.

### RESEARCH GROUPS

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- 2017-present: Text Mining Applications – Graduate Program in Applied Informatics (PPGIA), DC/UFRPE - (Coordinator) <https://tmgufrpe.github.io/>
- 2018-2019: Laboratório de Evidências Analíticas em Tecnologias Educacionais - EVANTE (Researcher) <http://dgp.cnpq.br/dgp/espelhogrupo/325868>

- 2015-present: CAPACITE - Computação Avançada, Pesquisa Aplicada, Computação Inteligente e Tecnologias Emergentes (Researcher) <http://dgp.cnpq.br/dgp/espelhogrupo/182937>

## PROJECT WITH SCIENTIFIC OR TECHNOLOGICAL INNOVATION

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- 2017–2018. PAPPE Innovation project “Flowup Automatic – Inteligência Artificial para Gestão de Organizações Projetizadas”. Project funded by FAST Aplicativos e Soluções LTDA (**Cordinator**)
- 2016-2017: *Computational Analysis of Public Budget using Information Extraction, Data Warehouse, and Data Mining techniques* (UFRPE/DC) (**Supervisor**)
- 2015-present: *Assistive Technology in Augmentative and Alternative Communication (AAC) focusing on Alternative Communication Boards (PCA)*. Informatics Center (CIn) at UFPE (**Co-Supervisor**)

## PARTICIPATION IN R&D PROJECTS

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- Projects in collaboration with and funded by Hewlett-Packard Labs, Fort Colling, USA (**Assistant Researcher**)
  - 2016-2017: *Functional Language & Information Platform* (FLIP)
  - 2014-2015: *Functional Summarization* (FS)
  - 2013-2014: *Information Retrieval Friendly Text Analytics* (IRFTA)
  - 2012–2013: *Multiple-Engine Content Keywording and Summarization* (MECKS)
- 2009–2012: *BlogSpread: Realizing the Meme Phenomenon by the Semantic BlogSphere Visualization*. Project developed in cooperation with the Mannheim University (**Assistant Researcher**).
- 2008–2009: *AGATHE: An Agent- and Ontology-Based System for Gathering Information about Restricted Web Domains*. Project in cooperation with the LSIS, Marseille, France. **Research stage** at the LSIS (Marseille) under supervision of Prof. Bernard Espinasse

## TEACHING EXPERIENCE

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### Graduate courses:

- 2017-present: Text Mining (60h) – Master’s Program in Applied Informatics – PPGIA/UFRPE, Recife

### Undergraduate courses:

- 2015- present: Relational Database, Post-relational Databases, Introduction to Computer Science, and Introduction to Programming (Python and Java) (60h) - DC/UFRPE
- 2011: Introduction to Theory of Computation (60h), Mauricio de Nassau Faculty, Recife, Brazil.
- 2009: Information Systems (60h, bachelor level) , FATEC, Recife, Brazil
- 2009: Introduction to Computer Science (80h, bachelor level), FATEC, Recife, Brazil
- 2008-2009: Intelligent Systems (20h, master level, teaching stage) Informatics Center, UFPE, Brazil.
- 2006-2007: Introduction to Computer Science (60h), Counting Techniques (60h), Linear Algebra (60h). Temporary Lecturer at the Pernambuco University (UPE) – Recife, Brazil.

## CO-SUPERVISION IN PHD THESIS

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- 2014-2018: Hilário Oliveira. *A Supervised Approach to Automatic Extractive Summarization by Classification and Combination of Summaries*. Informatics Center of Federal, UFPE, Recife/Brazil. Supervisor: Fred Freitas.
- 2015-present: Natália Franco. *Knowledge-based Predictive Platform for Impaired People*. Informatics Center, UFPE, Recife/Brazil. Supervisor: Robson Fidalgo.

## MASTER DISSERTATION AT DC/UFRPE

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### Supervisor

- 2017-present. Asaffe Santos. *Relation Extraction with Deep Learning*.
- 2017-present. Filipe Gomes. *Distributional Semantics for Controlled Vocabulary in ACC Systems*.
- 2017-present. Alane Lima. *Ensemble Symbolic Approach to Relation Extraction*.
- 2016-2018. Roberto Mota. *Aspect-based Sentiment Analysis with Conditional Random Fields* (SemEval Shared Task)

- **Co-supervisor:**

- 2017- 2019: Francisco Rodrigues. *DeepNLPF: a framework for integrating linguistics analysis and semantic annotation of textual data* (CIN/UFPE). Supervisor: Robson Fidalgo
- 2018: Maxime Gautin. *Apprentissage relationnel logique appliqué à la fouille de textes*, Stage de recherche quatrième année d'école d'ingénieurs. Supervisor: Bernard Espinasse (LIS/Marseille)
- 2018: Hugo Desbiolles. *Implémentation de méthodes d'ensemble en apprentissage automatique*. Stage d'initiation à la recherche. Supervisor: Bernard Espinasse (LIS/Marseille)
- 2017-present. Francisco Rodrigues. *Ontology Population for Dynamic Vocabulary Expansion in Augmentative and Assistive Systems*. DC, UFRPE. Supervisor: Robson Fidalgo
- 2016-2017. Valter Neto. *Sentiment Analysis in Education Forums in Portuguese*. DC, UFRPE.
- 2016-2017: Augusto Lazzarotto Lima. *Um Parser Semântico para Comunicação Aumentativa e Alternativa*. CIN/UFPE, Recife/Brazil. Supervisor: Robson Fidalgo
- 2013: Mazonfon Gbolou. *Extending an OWL/DL Ontology using Natural Language Processing of Web Pages*. LSIS, Aix-Marseille University. Supervisor: Bernard Espinasse.
- 2013: Rezika Issad. *Automatic Generation of Prolog Knowledge Bases by Parsing XML Files*. LSIS, Aix-Marseille University. Supervisor: Bernard Espinasse

## RESEARCH WITH UNDERGRADUATE STUDENTS AT DC/UFRPE

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- **2018-present:**

- João Nascimento. *Graph-embedding for Node Classification and Link Prediction*.
- Maik Falcão. *Fake News Detection in Portuguese and English Languages*.
- Saulo Lucas. *A Clustering-based Method for Cross-Domain Sentiment Analysis*.
- Berg Duarte. *An Empirical Evaluation of Word Embedding on Sentiment Analysis*.
- Alesson Delmiro. *Aspect-based Sentiment Classification using Conditional Random Fields*.
- Adailson Tavares. *A Framework for Integrating Inductive Logic Programming Systems*.
- Matheus Rodrigues. *Applying Deep Learning algorithms to Relation Extraction*.

- **2017-2018**

- Larrisa F. Silva. *Cross-domain Sentiment Analysis in Brazilian Portuguese*.

- **2016-2017**

- Rodrigo Garcia. *Towards Coherence in Extractive Mono-document Summarization*.
- Giovanni Paolo. *Polarity Classification in Reviews using Machine Learning*.
- Guilherme Melo. *Graph-based Simplification of Sentences for Relation Extraction in Biomedical Domain*.
- André Lucas. *Graph-based Keyphrase Extraction for Aspect-Based Sentiment Analysis*.
- Vitor Rolim. *Collaborative Approach to Recommendation of Educational resources*

## REVIEWER FOR JOURNALS/CONFERENCES

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- Information Processing and Management (IPM/2018)
- International Conference on Formal Ontology in Information Systems (FOIS/ 2012, 2014)
- Brazilian Conference on Intelligent Systems (BRACIS/2013)
- International Journal on Computational Intelligence and Applications (IJCIA/2011)
- Brazilian Symposium in Artificial Intelligence (BRACIS/2010)

## PARTICIPATION IN CONFERENCES/WORKSHOPS

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- GDRI CNRS Franco Brazilian "WebScience" Workshop, Oct-2017, Rio de Janeiro/Brazil (presenter)
- Brazilian Conference on Intelligent Systems (BRACIS), 2016, Recife/Brazil (presenter)
- ACM Symposium on Document Engineering, 2014 (DocEng 2014). Fort Collins, Colorado Springs, USA (presenter)
- International Conference on Database and Expert Systems Applications, 2014 (DEXA 2013). Prague, Czech Republic (presenter)
- International Conference on Tools with Artificial Intelligence, 2013 (ICTAI 2013). Washington DC, USA (presenter)
- 5th. Conference on Ontologies in Brazil (OntoBras) and 7th MOST - International Workshop on Metamodels, Ontologies and Semantic Technologies, 2012 (Recife/PE), Brazil.
- IADIS International Conference WWW/INTERNET, 2012, Madrid, Spain. (presenter)
- IADIS International Conference WWW/INTERNET, 2011. Rio de Janeiro, Brazil (presenter)

- II Congresso Brasileiro de Tecnologia da Informação e Comunicação. Semantic Web: Interligando Significados Colaborativamente. 2010. Recife/PE, Brazil. (presenter)
- French-Brazilian Workshop on Datamining, 2009. UFPE-Recife/PE, Brazil (presenter)
- Journées Francophones sur les Ontologies (JFO), 2008. Lyon, France.
- XXII Brazilian Symposium on Databases, 2007 (SBBD 2007). João Pessoa, PB, Brazil.

## INVITED RESEARCH MISSIONS IN FRANCE

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- **Jan/2019** - Laboratoire d'Information et Systèmes (LIS) - Aix-Marseille University (AMU) – UMR 7020 Invited by Prof. Bernard Espinasse. Seminar Presentation: *Research Work of the Text Mining Group at UFRPE/Brazil*.
- **Jan/Feb 2017** - Laboratoire de Sciences de l'Information et des Systèmes (LSIS) UMR 7296 AMU. Invited by Prof. Bernard Espinasse. Seminar Presentation: *Towards Ontology-Based Sentiment Analysis*

## LANGUAGES

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### *French:*

- 2007: DELF – Diplôme d'Étude en Langue Française (DELF) Niveau A2, Alliance Française, Recife/Brazil
- 2005 : Test de Connaissance du Français (TCF) - Alliance Française – Recife/Brazil

### *English:*

- Conversational English Camp (2007) - PE, Brazil
- Upper Intermediate English Certification (2005) - Language Studies Canada (LSC), Montréal, Canada

## SOFTWARES

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- 2014: OntoILPER: An Ontology and Inductive Logic Programming-based Method to Extract Instances of Entities and Relations from Texts.

## AWARDS

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- Selected Papers Prize of the Year 2016. Informatics Center/UFPE, Recife, Brazil.
- Nominated as one of the best student papers at DocEng 2014 Conference. Hewlett-Packard Labs, Fort Collins, Colorado, USA.

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## List of Publications

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Publication Summary by Type	Quantity
Papers in International Journals	11
Book Chapters	3
Full Papers in Conferences	42
Short Papers in Conferences	6
Posters in Conferences	2

### [Papers in International Journals]

- Lima, R.;** Espinasse, B.; Freitas, F. *A Logic-based Relational Learning Approach to Relation Extraction: The OntoILPER system*. Engineering Applications of Artificial Intelligence (EAAI). ISSN: 0952-1976, Vol: 78, Page: 142-157, February, 2019
- Antunes, J.; Lins, R. D.; **Lima, R.;** Oliveira, H.; Riss, M.; Simske, S. J. *Automatic Cohesive Summarization with Pronominal Anaphora Resolution*. Computer Speech and Language (CSL) Journal, v. 52, p. 141-164, 2018.
- Lima, R.;** Espinasse, B.; Freitas, F. *OntoILPER: an ontology- and inductive logic programming-based system to extract entities and relations from text*. Knowledge and Information Systems, v. 54, p. 1-33, Springer-Verlag, 2017.
- Espinasse, B., **Lima, R.;** Freitas, F. *Extraction automatique d'entités et de relations par ontologies et programmation logique inductive*. Revue d'Intelligence Artificielle (RIA), Vol. 30 (n° 6/2016), Vol 30/6 - pp.637-674, 2016.
- Oliveira, h., Ferreira, R., **Lima, R.;** Lins, R., Freitas, Fred, Riss, M., Simske, S. *Assessing shallow sentence scoring techniques and combinations for single and multi-document summarization*. Expert Systems with Applications, V.65, p.68-86, 2016.
- Mello, R. F. ; Cabral, L. S. ; Lins, R. D. ; Silva, G. F. ; Freitas, F. ; **Lima, R. J. ;** Simske, S. J.; Favaro, L. *Assessing Sentence Scoring Techniques for Extractive Text Summarization*. Expert Systems with Applications, v. 41, p. 3082-3094, 2013.
- Ferreira, R.; Freitas, Fred ; Brito, P. ; Melo, J. ; **Lima, R.;** Costa, E. *RetriBlog: An architecture-centered framework for developing blog crawlers*. Expert Systems with Applications, v. 40, p. 1177-1195, 2013.
- Espinasse, B., **Lima, R.;** Albitar. S., Fournier, S., Freitas, F. *Extraction adaptative d'information de pages Web par règles d'extraction induites par apprentissage*. In: Revue d'Intelligence Artificielle (RIA), Vol. 26 (n° 6/2012), pp. 643-678, 2012.
- Freitas, F. ; Cabral, Luciano ; **Lima, R. ;** Palmeira, Eunice ; Bittencourt, G.; Espinasse, B. ; Fournier, S. *Do MASTER-Web ao AGATHE: a Evolução de uma arquitetura de manipulação de informações para a web usando ontologias*. RECIIS. Revista Eletrônica de Comunicação, Informação & Inovação em Saúde (Edição em Português), v. 2, p. 74-86, 2008.
- Freitas, F. ; Cabral, L. ; **Lima, R.;** Espinasse, B. ; Palmeira, E. ; Fournier, S. ; Bittencourt, G. . *From MASTER-Web to AGATHE: the evolution of an architecture for manipulating information over the Web using ontologies*. RECIIS. Electronic Journal of Communication Information and Innovation in Health (English edition), v. 2, p. 73-84, 2008.
- Ribeiro, M. ; Cabral, L. ; **Lima, R. ;** Reinaldo, G. ; Freitas, F. ; Prudencio, R. *Docs-Clustering : um sistema para agrupamento hierárquico e etiquetagem de documentos*. Revista Científica Tecnologus, v. 3, p. 27-37, 2008.

## [Book Chapters]

- Wells, J. C., Burégio, V., **Lima, R.** *Big and Deep Heritage data: the Social Heritage Machine (SHEM)*. In: Preservation and the New Data Landscape. Series: Columbia books on architecture and the city, Editor: Erica Avrami. New York, NY. 2019, pp; 145-154.
- Oliveira, H. T. A. ; **Lima, R. J.** ; Gomes, J. ; Freitas, F. L. G. ; Lins, R. D. ; Simske, S. J. *A Web-based Method for Ontology Population*. In: Pedro Isafas (Universidade Aberta (Portuguese Open University), Portugal), Piet Kommers (University of Twente, The Netherlands) and Tomayess Issa (Curtin University, Australia). (Org.). *The Evolution of the Internet in the Business Sector: Web 1.0 to Web 3.0*. 1ed.: IBI Global, v. 1, p. 125-140, 2014.
- Espinasse, B.; Fournier, S.; Freitas, F.; Abitar, S.; **Lima, R.** *AGATHE-2: An Adaptive, Ontology-based Information Gathering Multi-agent System for Restricted Web Domains*. In: In Lee. (Org.). *E-Business Applications for Product Development and Competitive Growth: Emerging Technologies*. 1ed. Hershey, PA: IGI Global, p. 236-260, 2010.

## [Full Papers in Conferences]

- Lins, R., Oliveira, H., Cabral L., Batista, J., Ferreira, R., França, G., **Lima, R.**, and Simske, S. *The CNN-Corpus: A Large Textual Corpus for Single-Document Extractive Summarization*. In Proc. of 19th ACM Symposium on Document Engineering (DocEng). September 23-26 September/2019, Berlin, Germany.
- Brito, F. S. B., Lima, R., and Pacífico, L.D.S. *Structural Correspondence Learning for Cross-Domain Sentiment Analysis in Brazilian Portuguese*. In Proc. of 8th Brazilian Conference on Intelligent Systems (BRACIS), 15-18 oct/2019, Bahia, Brazil.
- Ferro M., **Lima R.**, Fidalgo R. *Evaluating Redundancy and Partitioning of Geospatial Data in Document-Oriented Data Warehouses*. In: Ordonez C., Song IY., Anderst-Kotsis G., Tjoa A., Khalil I. (eds) *Big Data Analytics and Knowledge Discovery*. DaWaK 2019. Lecture Notes in Computer Science, vol 11708. Springer, Cham, 2019.
- Rolin, V.; Ferreira, R.; Ferreira, M., Cavalcanti, A., **Lima, R.** *Identifying Students' Weakness and Strength based on Online Discussion: a Topic Model-based Approach*. In Proc. of the 19th IEEE International Conference on Advanced Learning Technologies - (ICALT 2019) Maceió-AL, Brazil, 2019.
- Oliveira, H.; Lins, R. D.; **Lima, R.**; Freitas, F.; Simske, S. *A Concept-based ILP Approach for Multi-document Summarization Exploring Centrality and Position*. In: Brazilian Conference on Intelligent Systems (BRACIS), 2018, São Paulo. 7th Brazilian Conference on Intelligent Systems (BRACIS), 2018.
- Junior, G. C., Nascimento, R., Carneiro, N., **Lima, R.** *Design Thinking & Comunicação Aumentativa e Alternativa como ferramentas para o ensino e auxílio de professores do Atendimento Educacional Especializado*. Proceedings of the Brazilian Symposium on Computers in Education (SBIE), 2018.
- Franco, N., Silva, E., **Lima, R.**, Fidalgo, R. *Towards a Reference Architecture for Augmentative and Alternative Communication Systems*. Proceedings of the Brazilian Symposium on Computers in Education (SBIE), 2018, pp. 1073.
- Rodrigo, G., **Lima, R.**, Espinasse, B., Oliveira, H. *Towards Coherent Single-Document Summarization: An Integer Linear Programming-based Approach*. In Proc. of the 33rd ACM/SIGAPP Symposium On Applied Computing (SAC), Pau, France, April 9-13, 2018
- Franco, N. M.; Lima, T. P. ; Lima, A. L., Edson A.; **Lima, R.**, Cavalcante, T. C. F., Robson N. F. *aBoard: Uma Plataforma para Educação Inclusiva a partir de Comunicação Aumentativa e/ou Alternativa*. In: XXVIII Simpósio Brasileiro de Informática na Educação, 2017, Recife. Anais do 28º Simpósio Brasileiro de Informática na Educação (SBIE 2017), 2017.

- Franco, N. M., Lima, A. L., Lima, T. P., Silva, E. A., **Lima, R.**; Fidalgo, R. N. *A Recall Analysis of Core Word Lists over Children's Utterances for Augmentative and Alternative Communication*. In: 2017 IEEE 30th International Symposium on Computer-Based Medical Systems (CBMS), 2017, Thessaloniki. p. 278-283.
- Oliveira, H., Lins, R., **Lima, R.**, Freitas, F., Simske, S. J. *A Regression-based Approach using Integer Linear Programming for Single-document Summarization*. In: 29th IEEE International Conference on Tools with Artificial Intelligence, 2017, Boston, 2017.
- Monteiro, C. V.; Delgado, A. J.; **Lima, R.**; Soares, E. *Método Supervisionado para Categorização Automática de Lançamentos Financeiros*. In: XIV Encontro Nacional de Inteligência Artificial e Computacional (ENIAC), 2017, Uberlândia, 2017.
- Oliveira, H., **Lima, R.**, Lins, R., Freitas, F., Riss, M., Simske, S. *A Concept-based Integer Linear Programming Approach for Single-Document Summarization*. In Proc. of Brazilian Conference on Intelligent Systems (BRACIS), Recife, Brazil, 2016.
- Oliveira, H., **Lima, R.**, Lins, R., Freitas, F., Riss, M., Simske, S. *Assessing Concept Weighting in Integer Linear Programming based Single-document Summarization*. In Proc. of 2016 ACM Symposium on Document Engineering - DocEng '16, 2016, Viena, Austria.
- Espinasse, B., **Lima, Rinaldo J.**, Magdy, D. *Extraction automatique d'entités et de relations par ontologies et programmation logique inductive*. In Proc. of Journée Francophones sur les Ontologies (JFO), 2016, Bordeaux, France.
- Cabral, L., **Lima, R.**, Lins, R., Neto, M., Ferreira, R., Simske, S., Riss, M. *Automatic Summarization of News Articles in Mobile Devices*. In Proc. of 14th Mexican International Conference on Artificial Intelligence (MICAI), 2015, Cuernavaca. 2015, p. 8-13.
- Lima, R.**, Espinasse, B., Freitas, Fred. *Relation Extraction from Texts with Symbolic Rules Induced by Inductive Logic Programming*. In Proc. of IEEE 27th International Conference on Tools with Artificial Intelligence (ICTAI), Vietri sul Mare. p.194, 2015.
- Cabral, L.; **Lima, R.**; Lins, Rafael; Neto, M.; Ferreira, R.; Simske, S.; Riss, M. *Automatic Summarization of News Articles in Mobile Devices*. In: 2015 Fourteenth Mexican International Conference on Artificial Intelligence (MICAI), 2015, Cuernavaca. p. 8-13.
- Cabral, L. S.; **Lima, R. J.** ; Lins, R. D. ; Mello, R. F. ; Freitas, F. ; Silva, G. F. ; Simske, S. J. ; Favaro, L. *A Hybrid Algorithm for Automatic Language Detection on Web and Text Documents*. In Proc. of 11th IAPR International Workshop on Document Analysis Systems, 2014.
- Mello, R. F. ; Cabral, L. S. ; Lins, R. D. ; Freitas, F. ; Simske, S. J. ; **Lima, R. J.** ; Favaro, L. ; Silva, G. F. *A Context Based Text Summarization System*. In Proceedings of 11th IAPR International Workshop on Document Analysis Systems, Tours, France, 2014.
- Lima, R.**, Batista, J., Ferreira, R., Freitas, F., Lins,R., Simske. S., Riss, M. *Transforming Graph-based Representations of Sentences for Relation Extraction*. In: Document Engineering Conference (DocEng 2014), Hewllet-Packard Labs, Fort Collins, Colorado, USA, 2014.
- Lima, R.**, Espinasse, B., Oliveira, H., Freitas, F. *Ontology Population from the Web: an Inductive Logic Programming-Based Approach*. In Proc. of 11th International Conference on Information Technology: New Generations, ITNG 2014, Las Vegas, Nevada,USA, April 7-9, 2014.
- Lima, R.**, Espinasse, B., Oliveira, H., Pentagrossa, L., Freitas, F.. *Information Extraction from the Web: An Ontology-Based Method using Inductive Logic Programming*. In Proc. of IEEE International Conference on Tools with Artificial Intelligence, ICTAI 2013, Washington DC, USA, November 4-6, 2013.
- Lima, R. J.** ; Espinasse, B. ; Oliveira, H. ; Mello, R. F. ; Cabral, Luciano ; Filho, D. ; Freitas, F. ; Gadelha, R. *An Inductive Logic Programming-Based Approach for Ontology Population from the Web*. In Proc. of 24th International

Conference on Database and Expert Systems Applications (DEXA), Prague, Czech Republic, August 26-2. Part I. Lecture Notes in Computer Science - Springer-Verlag, Berlin Heidelberg, v. 8055, p. 319-326, 2013.

- Ferreira, R. ; Freitas, F. ; Cabral, L. S.; Lins, R. D. ; **Lima, R.** ; França, G. ; Simske, S. J.; Favaro, L. *A Four Dimension Graph Model for Automatic Text Summarization*. In Proceedings of IEEE/WIC/ACM International Joint Conferences on Web Intelligence (WI) and Intelligent Agent Technologies (IAT), 2013, Atlanta. USA, v. 1. p. 389-396, 2013.
- Gadelha, R. N. S. ; Prudêncio, R. B. C. ; **Lima, R. J.** ; Souza, C. C. *User Influence on Twitter: Prediction Based on Personality and Content-based Features*. In: Portuguese Conference on Artificial Intelligence, Angra do Heroísmo, Portugal, 2013.
- Gadelha, R. N. S. ; Prudencio, R. B. C. ; **Lima, R. J.** ; Souza, C. C. *Predizendo Influenciadores no Twitter por meio de Traços de Personalidade*. In: Brazilian Workshop on Social Network Analysis and Mining, Maceió, Brazil, 2013.
- Antunes, J. B., Antunes, J.B., **Lima, R.J.**, Queiroz, R.B., Souza, L.S., Filho, H.F.B., Denucci, B.L., and Maia, R. D. *Cache System Development with Genetic Algorithm for Squid's Settings Optimization*. In Proceedings of IADIS International Conference WWW/Internet 2013, Fort Worth, Texas, USA, 2013.
- Cabral, L. S. ; Lins, R. D. ; **Lima, R. J.** ; Simske, S. J. *A Comparative Assessment of Language Identification Approaches in Textual Documents*. In Proceedings of IADIS International Conference Applied Computing, Madrid: IADIS, p. 67-74, 2012.
- Lins, R. D. ; Simske, S. J. ; Cabral, L. S. ; Silva, G. F. ; **Lima, R. J.** ; Mello, R. F. ; Favaro, L. *A Multi-Tool Scheme for Summarizing Textual Documents*. In: Proceedings of IADIS International Conference WWW/Internet 2012, Madrid, p. 409-414. 2012.
- Oliveira, H.; **Lima, R.** ; Gomes, J. ; Ferreira R. ; Freitas, F. ; Costa, E. B. *A Confidence-Weighted Metric for Unsupervised Ontology Population from Web Texts*. In: DEXA - 23rd International Conference on Database and Expert Systems Applications, 2012, Austria. Database and Expert Systems Applications. Berlin: Springer, v. Part I. p. 176-190, 2012.
- Ferreira, R., **Lima, R. J.**, Melo, J., Costa, E.B., Freitas, F., and Pacca, H. *RetriBlog: a framework for creating blog crawlers*. In Proceedings of 27th Annual ACM Symposium on Applied Computing (SAC '12). ACM, New York, NY, USA, pp. 696-701, 2012.
- Ferreira, R., Brito, P., Melo, J., Costa, E., **Lima, R.**, and Freitas, Fred. *An architecture-centered framework for developing blog crawlers*. In Proceedings of 27th Annual ACM Symposium on Applied Computing (SAC '12). ACM, New York, NY, USA, 1131-1136, 2012.
- Oliveira, H. T. A. ; **Lima, R. J.** ; Gomes, J. E. A. ; Freitas, F. *An Unsupervised Method for Ontology Population from the Web*. In Proc. of the 13th Ibero-American Conference on Artificial Intelligence, Cartagena de Índias, Colombia. Ed. Springer Berlin Heidelberg, v. 7637. p. 41-50, 2012.
- Oliveira, H. T. A. ; **Lima, R. J.** ; Gomes, J. E. A. ; Freitas, F. *A Web-Based Method for Ontology Population*. In: IADIS International Conference WWW/INTERNET, Madrid, 2012.
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