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Associate researcher at project [Anillo: Redes](http://www.dim.uchile.cl/~redes/) (<http://www.dim.uchile.cl/~redes/>)

Main researcher at project [Fondecyt 1060825](http://www.conicyt.cl/bases/fondecyt/proyectos/01/2006/1060825.html)
(<http://www.conicyt.cl/bases/fondecyt/proyectos/01/2006/1060825.html>)

- Ph.D. in Engineering Sciences (Major in Mathematical Modeling), Universidad de Chile, May 2005.
- Ph.D. in Informatics, Université de Marne-la-Vallée, France, May 2005
- Mathematical Engineer, Universidad de Chile, 2001.
- B.S. in Engineering Sciences (Major in Mathematical Engineering), Universidad de Chile, 1999.

Research Interests

Algorithms, Graph Theory, Integer Programming, Combinatorics on Words, Symbolic Dynamics.

Education

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| <i>2005-2006</i> | Postdoctoral Associate at Center of Mathematical Modeling , Universidad de Chile |
| <i>2001-2005</i> | Ph.D. in Informatics, Université de Marne-la-Vallée , France, and Ph.D. in Sciences of Engineering, Major in Mathematical Modelation, Universidad de Chile |
| <i>1999-2001</i> | Mathematical Engineer, Universidad de Chile |
| <i>1995-1999</i> | B.S. in Engineering Sciences (Major in Mathematical Engineering), Universidad de Chile |

Projects

Associate researcher at project [Anillo:Redes](#)

Main researcher at project [Fondecyt 1060825](#)

Congress Presentations

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|-----------------|---|
| <i>LATIN'06</i> | Minimal Eulerian Circuit in a Labeled Digraph, LATIN'06, Valdivia, Chile, March 20-24, 2006 |
| <i>WG 2004</i> | Minimal de Bruijn Sequence in a Language with Forbidden Substrings, |

WG 2004, Graph-Theoretic Concepts in Computer Science, Bad Honnef, Germany, June 21-23, 2004

ALEA 2004 Algorithmes pour générer des mots et des autres objets combinatoires avec des facteurs interdits, Journées ALEA 2004, Luminy, France, January 19-23, 2004

WORDS'03 Lyndon words and de Bruijn sequences in a subshift of finite type, WORDS'03, 4th International Conference on Combinatorics on Words, Turku, Finland, September 10-13, 2003

MMODYS'01 Dynamic of cyclic automata over Σ^2 , MMODYS'01, Mathematical Modeling on Discrete Dynamical Systems, Santiago, Chile, June 4-6, 2001

Refereeing for Journals

- Graphs and Combinatorics
- Journal of Discrete Algorithms
- Journal of Automata, Languages and Combinatorics

Publications

References

Eduardo Moreno & Martín Matamala (2006). Minimal Eulerian Circuit in a Labeled Digraph in *Lect. Notes Comput. Sci.* 3887, pp.737-744.

Links: [\[DOI:10.1007/11682462_67\]](https://doi.org/10.1007/11682462_67) [\[Final version\]](#) [\[Preprint version\]](#)

Eduardo Moreno (2005). De Bruijn Sequences and De Bruijn Graphs for a general language in *Inf. Process. Lett.* 96 (6), pp.214-219.

Links: [\[Math Review:MR2179213\]](#) [\[DOI:10.1016/j.ipl.2005.05.028\]](https://doi.org/10.1016/j.ipl.2005.05.028) [\[Preprint version\]](#) [\[Final version\]](#)

Eduardo Moreno & Martín Matamala (2004). Minimal de Bruijn Sequence in a Language with Forbidden Substrings in *Lect. Notes Comput. Sci.* 3353, pp.168-176.

Links: [\[Math Review:MR2158643\]](#) [\[DOI:10.1007/b104584\]](https://doi.org/10.1007/b104584) [\[Final version\]](#) [\[Preprint version\]](#)

Martín Matamala & Eduardo Moreno (2004). Dynamic of cyclic automata over Σ^2 in *Theoret. Comput. Sci.* 322 (2), pp.369-381.

Links: [\[Math Review:MR2080234\]](#) [\[DOI:10.1016/j.tcs.2004.03.018\]](https://doi.org/10.1016/j.tcs.2004.03.018) [\[Final version\]](#) [\[Preprint version\]](#)

Eduardo Moreno (2004). On the theorem of Fredricksen and Maiorana about de Bruijn sequences in *Adv. in Appl. Math.* 33 (2), pp.413-415.

Links: [\[Math Review:MR2074406\]](#) [\[DOI:10.1016/j.aam.2003.10.002\]](https://doi.org/10.1016/j.aam.2003.10.002) [\[Final version\]](#) [\[Preprint version\]](#)

Eduardo Moreno (2003). Lyndon words and de Bruijn sequences in a subshift of finite type in *Proceedings of WORDS'03* (Tero Harju and Juhani Karhumaki (ed.)). Turku Cent. Comput. Sci., Turku, pp.400-410.

Links: [\[Math Review:MR2081372\]](#) [\[Preprint version\]](#)

Eduardo Moreno (2001). Estudio de la dinámica de los autómatas cíclicos sobre grillas, mastersthesis.

Links: [\[Final version\]](#)

Eduardo Moreno (2005). De Bruijn sequences and graphs in restricted languages, phdthesis.

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Martín Matamala & Eduardo Moreno (2004). Minimal Eulerian cycle in a labeled digraph, techreportDIM-CMM, Universidad de Chile (CMM-B-04/08-108).

Links: [\[Final version\]](#)

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