LEONEL MERINO

Leonel Alejandro Merino del Campo

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Tel.:	(+41) · 78 · 405 43 38	Date of Birth:	12 June 1979 (38)
E-mail:	leonelmerino@gmail.com	Nationality:	Chilean (Swiss Permit B)
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RESEARCH INTERESTS

- Software Visualization
- Program Comprehension
- Virtual/Augmented Reality
- Ontology Design
- Software Engineering
- Empirical Evaluation
- Collaboration Networks
- Constructive Visualization

EDUCATION

University of Bern, Switzerland *(expected) April 2018*
Ph.D. in Computer Science

École des Mines de Nantes, France *September 2008*
Msc. in Computer Science

Vrije Universiteit Brussel, Belgium *September 2008*
Msc. in Computer Science

University of Chile, Chile *December 2006*
Bsc. in Computer Science

WORK EXPERIENCE

University of Bern March 2014 - Present
Research Assistant (academia) *Bern, Switzerland*

· Software Composition Group, Oscar Nierstrasz

Entel S.A. September 2009 - February 2014
Platform Architect (industry) *Santiago, Chile*

· Value Added Services, Cristian Hofer.

I.T.S. S.A. January 2005 - July 2007
Software Developer (industry) *Santiago, Chile*

· System Integration, Lissette Rubio.

SCHOLARSHIPS, FELLOWSHIPS, AND AWARDS

CONICYT March 2014 - February 2018
PhD Scholarship

· Becas Chile Doctorado Extranjero

SFB/Transregio 161 December 2016 - February 2017
Research Stay Fellowship

· Project A03 "Quantification of Visual Analytics Transformations and Mappings"

VISSOFT'16 September 2017
Best Paper Award

· "Towards Actionable Visualisation in Software Development", Merino, Ghafari, Nierstrasz, IEEE [3].

PROFESSIONAL ACTIVITIES

Program Committee	VISSOFT 2017 NIER/TD VISSOFT 2016 Artifact Evaluation Committee SATToSE 2014
Co-Reviewer	IST Journal (2017), VISSOFT (2015), SANER (2015-2017), ICSME (2015-2016), BENEVOL (2015), ICSE (2015), SATToSE (2014)

TEACHING

Lectures	Software Modeling and Analysis. *Guest Lecture:* "Software Visualization" (Autumn 2016) Concurrency: State Models and Design Patterns. *Guest Lecture:* "Java and Concurrency" (Autumn 2017)
Tutorials	Software Design and Evolution. *Guest Lecture:* "Agile Visualization with Roassal" (Autumn 2014)
Practical Courses	Concurrency: State Models and Design Patterns. *Teaching Assistant* (Autumn 2015, 2017)
Supervised Projects	Pascal Giehl, Visualizing Collaborative Networks (Autumn 2016) Lukas Imstepf, Software Visualization Evaluation (Spring, 2017) Ekaterina Kozlova, Software Visualization Ontology (Autumn 2017)
Supervised Theses	Silas David Berger. Bachelor's thesis, University of Bern, August 2017. Visually Exploring Scientific Communities. Dominik Seliner. Bachelor's thesis, University of Bern, August 2016. EggShell - A workbench for modeling scientific communities.

PUBLICATIONS

Refereed Papers in International Journals

1. Leonel Merino, Mohammad Ghafari, and Oscar Nierstrasz. Towards actionable visualization for software developers. *Journal of Software: Evolution and Process*, 2018. To appear

Refereed Papers in International Conferences

3. Leonel Merino, Johannes Fuchs, Michael Blumenschein, Craig Anslow, Mohammad Ghafari, Oscar Nierstrasz, Michael Behrisch, and Daniel Keim. On the impact of the medium in the effectiveness of 3D software visualization. In *VISSOFT'17: Proceedings of the 5th IEEE Working Conference on Software Visualization*, pages 11–21. IEEE, 2017

4. Leonel Merino, Mohammad Ghafari, Craig Anslow, and Oscar Nierstrasz. CityVR: Gameful software visualization. In *ICSME'17: Proceedings of the 33rd IEEE International Conference on Software Maintenance and Evolution (TD Track)*, pages 633–637. IEEE, 2017

5. Leonel Merino, Mohammad Ghafari, and Oscar Nierstrasz. Towards actionable visualisation in software development. In *VISSOFT'16: Proceedings of the 4th IEEE Working Conference on Software Visualization*. IEEE, 2016

6. Leonel Merino, Mohammad Ghafari, Oscar Nierstrasz, Alexandre Bergel, and Juraj Kubelka. Metavis: Exploring actionable visualization. In *VISSOFT'16: Proceedings of the 4th IEEE Working Conference on Software Visualization*. IEEE, 2016

7. Yuriy Tymchuk, Leonel Merino, Mohammad Ghafari, and Oscar Nierstrasz. Walls, pillars and beams: A 3d decomposition of quality anomalies. In *VISSOFT'16: Proceedings of the 4th IEEE Working Conference on Software Visualization*, pages 126–135. IEEE, 2016

8. Leonel Merino, Mircea Lungu, and Oscar Nierstrasz. Explora: Infrastructure for scaling up software visualisation to corpora. In *SATToSE'14: Post-Proceedings of the 7th International Seminar Series on Advanced Techniques & Tools for Software Evolution*, volume 1354. CEUR Workshop Proceedings (CEUR-WS.org), 2015. http://ceur-ws.org/Vol-1354/

Refereed Papers in International Workshops

9. Leonel Merino, Dominik Seliner, Mohammad Ghafari, and Oscar Nierstrasz. Communityexplorer: A framework for visualizing collaboration networks. In *Proceedings of International Workshop on Smalltalk Technologies (IWST 2016)*, pages 2:1–2:9, 2016

10. Leonel Merino, Mircea Lungu, and Oscar Nierstrasz. Explora: Infrastructure for scaling up software visualisation to corpora. In *SATToSE'14: Post-Proceedings of the 7th International Seminar Series on Advanced Techniques & Tools for Software Evolution*, volume 1354. CEUR Workshop Proceedings (CEUR-WS.org), 2015. http://ceur-ws.org/Vol-1354/

11. Leonel Merino. Adaptable visualisation based on user needs. In *SATToSE'14: Pre-Proceedings of the 7th International Seminar Series on Advanced Techniques & Tools for Software Evolution*, pages 71–74, July 2014

Book Chapters

10. Leonel Merino. Network visualization. In Alexandre Bergel, editor, *Agile Visualization*, chapter 17, pages 201–209. LULU Press, 2016