

Curriculum Vitae Europass

Personal Information

First Name/ Surname	Lino Possamai		
Address	Via Trieste, 63 35121 Padova (Italy)		
Telephone	+39 049 827 1256 (office)		
E-mail	lino@possamai.it	Website	www.possamai.it/lino
Nationality	Italian		
Sex	Male		
Military service	City Hall of Conegliano, Treviso, 1997.		

Current Activity

He collaborates with Massimo Marchiori, associate professor at Pure and Applied Mathematics Department, University of Padua, and research scientist at Massachusetts Institute of Technology (W3C), for studying new techniques of complex systems analysis.

He's involved in creating models that abstract (macro view) and specialize (micro view) complex systems with the purpose of understand the behavior in respect to the detail level with which these networks are analyzed. This study allow to state whether all networks analysis in the literature are biased by the precision level chosen during data collection.

Moreover, he's working on studying the dynamics of complex systems, with particular emphasis on social networks. We want to discover the true hidden rules behind the link creation between elementary units that form networks. In this context, we are able to verify if different networks (created using biological, transportation, social etc data) exhibit common dynamics.

Work experience

Dates	Jan. 2010 → today
Employer	Università degli Studi di Padova-Bologna
Position held	PhD Student, Computer Science
Main activities	<ul style="list-style-type: none">• Research topic: Study of the complex systems dynamics and creation of new scalable algorithms that allow to analyze large datasets. Application to the World Wide Web.
Dates	Jan. 2011 → Jul. 2011
	Center for Complex Networks and System Research Indiana University, Bloomington, IN, USA
Position held	Visitor scholar
Main activities	<ul style="list-style-type: none">• Static and dynamic analysis of networks created from authors' annotations in the domain of scholarly publications (Scholarometer Project).• Supervisor: prof. Fil Menczer

Dates	Mar. 2009 → Dec. 2009
Employer	Università degli Studi di Padova, Pure and Applied Mathematics Department
Position held	Research Fellow
Main activities and responsibilities	<ul style="list-style-type: none"> • Definition and application of algorithms for the study of transcriptional and post-transcriptional regulatory networks created from cancer cells data (Multiple Myeloma).
Dates	Jun. 2008 → Feb. 2009
Employer	Synchrotron Radiation Facility, Area Science Park, Trieste
Position held	Software engineer
Main activities and responsibilities	<ul style="list-style-type: none"> • Adapted the Mars express Rover software module for material analyzing to the X-ray pollution detection units created by synchrotron facility researchers. • Integration of X-ray pollution detection units into GRID systems. • Developed web applications that interact with scientific instruments. • Apply GIS OpenGeospatial standard to client application for environment monitoring.
Dates	Oct. 1999 → May 2008
Employer	Eranet srl - Conegliano
Position held	Software developer
Main activities and responsibilities	<ul style="list-style-type: none"> • Designed and developed a system for managing swimming pools: planning access of people with RFID tags, business reports and informational corners. • Designed and developed software systems for health care, transportation and publishing.
Dates	Mar. 1999 → Apr. 2000
Position held	Software developer and teacher
Employer	Arcadia software engineering srl - Conegliano

Education and Training

Dates	Oct. 2004 – Feb. 2008
Qualification awarded	Dottore Magistrale in Informatica <i>Università Ca' Foscari, Venezia</i>
Thesis title	“A study of the complex systems dynamics in virtual communities”
Supervisor	Prof. Massimo Marchiori
GPA	110/110 summa cum laude
Dates	Oct. 2000 – Jul. 2004
Qualification awarded	Dottore Junior in Informatica <i>Università Ca' Foscari, Venezia</i>
Thesis title	“Telescopic Analysis of Complex Systems”
Supervisor	Prof. Massimo Marchiori
GPA	110/110 summa cum laude
Dates	Sep. 1992 – Jul. 1997
Qualification awarded	Diploma di Ragioniere

February 2012 | *Advanced School of Parallel Computing. Cineca* Supercomputing Center, Bologna, Italy

July 2008 | *Summer School on Parallel Computing. Cineca* Supercomputing Center, Bologna, Italy

September 2005 | *Summer School on Scientific Visualization and 3D Interactive Graphics, Cineca* Supercomputing Center, Bologna, Italy

Attended PhD Schools

Mar, 1st to 12th 2010 | BISS 2010, *Bertinoro International Spring School* (Coursed attended: An Introduction to Bisimulation and Coinduction, Learning Theory: Statistical and Game-Theoretic Foundations, Advanced Algorithms for Massive Data Sets, Foundations of Advanced Networking)

Personal Skill and competences

Mother tongue | **Italian**

Other languages

Self-assessment
European Level ()*

English
French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(*) [Common European Framework of Reference \(CEF\) level](#)

Language Certifications | Oxford Bridge level 5, 2007 (Oxford School of English)

Social skills and competences | Since march 2007 is a member of non-profit association named 1nn0va. The association organizes events that disseminates computer science culture (www.1nn0va.net).

Technical skills and competences | - Programming languages: C/C++, Python
- Computer vision e neural networks
- Parallel Computing (OpenMP, MPI)
- Static analysis of source code
- Queuing theory and simulation models
Projects available at www.possamai.it/lino

Seminars | - Mathematical methods for complex systems analysis
- Optimization of Collective Communication Operations in MPICH*
- CURE: An efficient algorithm for clustering large databases*
- On applying Or-Parallelism and Tabling to Logic Programs*
- A Static Analyzer for Finding Dynamic Programming Error*
- Slashdot effect*
(* Seminars available at www.slideshare.net/ellepiu)

Lectures | - Graph Compression
- Random Early Detection Gateway for Congestion Avoidance
- Achieving Near-Optimal Traffic Engineering Solutions for Current OSPF/IS-IS Networks
Lectures available at www.possamai.it/lino

Programme Committee

SocialCom 2012 ASE/IEEE International Conference on Social Computing

Conferences

- 2010 Marchiori, Possamai,
Telescopic Analysis of Complex Networks,
30th International Conference on Social Network Analysis (Sunbelt), Riva del Garda, Trento, Italy.
- 2009 Forcato, Possamai, Ferrari, Agnell, Todoerti, Lambertenghi, Bortoluzzi, Marchiori, Neri, Bicciato,
Reverse Engineering and Critical Analysis of Gene Regulatory Networks in Multiple Myeloma,
4th International Conference on Pattern Recognition in Bioinformatics, Special session on Machine Learning in Integrative Genomics, Sheffield, United Kingdom, 2009.

Publications

- 2012 Kaur, Thi Hoang, Sun, Possamai, JafariAsbagh, Patil, Menczer
Scholarometer: A Social Framework for Analyzing Impact across Disciplines
Plos One, 12 september 2012, doi:10.1371/journal.pone.0043235
- 2011 Sun, Kaur, Possamai and Menczer.
Detecting Ambiguous Author Names in Crowdsourced Scholarly Data
Proceedings 3rd IEEE Conference on Social Computing (SocialCom), MIT, USA 2011
Acceptance rate 9.8%
- 2010 Biasiolo, Forcato, Possamai, Ferrari, Agnelli, Lionetti, Todoerti, Neri, Marchiori, Bicciato, Bortoluzzi,
Critical analysis of transcriptional and post-transcriptional regulatory networks in multiple myeloma,
Reverse Engineering and Synthesis of Biomolecular Systems, Proceedings of the Pacific Symposium on Biocomputing, Kamuela, USA, 2010.
Presented at
Annual General Meeting of the Bioinformatics Italian Society, BITS 2010, Bari