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A Education

2008-2009	Postdoctorate at LABOS, School of Computer and Communication Sciences (SCCS), École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, VD, Switzerland.
1990-1994	PhD, Computer Science, University of Newcastle upon Tyne, Newcastle upon Tyne, England, UK.
1987-1990	MSc in Computer Engineering, UNICAMP, São Paulo, Brazil.
1981-1985	Bachelor of Engineering, Computer Science, UNICAMP, São Paulo, Brazil.

B Professional Experience

B.1 Academic

Period	Position	Institution
05/2000 - present	Associate Professor	IC, UNICAMP
01/1995 - 04/2000	Assistant Professor	IC, UNICAMP
03/1988 - 12/1994	Research Assistant	IC, UNICAMP

B.2 System Engineering, Management & Extension

Period	Position (Role)	Institution
09/2014-06/2019	Coordinator of the Extension Programme	IC, UNICAMP
04/2002-05/2005	Head of the Computing Centre	CC, UNICAMP
08/1998-08/2000	Head of Department	IC, UNICAMP
05/1998-04/2000	Vice-Coordinador of the Graduate Programme	IC, UNICAMP
05/1996-04/1998	Coordinator of the Informatics Commission	IC, UNICAMP
03/1996-05/2000	Member of the Institute's Governance Board	IC, UNICAMP
01/1986-02/1988	Principal Software Engineer	CC, UNICAMP
01/1980-12/1980	Programmer	MeadWestvaco (WestRock)

C Teaching

Graduate Courses: 1995 - 2021	# Classes	Average Class Size
Advanced Distributed Algorithms	1	13
Concurrent Programming	1	14
Distributed Algorithms	3	12
Distributed Operating Systems	2	20
Distributed Systems	2	22

Undergraduate Courses: 1988 - 2021	# Classes	Average Class Size
Algorithms and Data Structures	1	46
Comparative Study of Programming Languages	1	27
Computer Networks	3	32
Concurrent Programming	2	10
Database Systems	1	44
Distributed Systems	9	40
Distributed Systems Laboratory	6	41
Fundamentals of Computer Programming	5	50
Human-Computer Interfaces	5	40
Operating Systems	1	31

Extension Courses: 2000 - 2021	# Classes	Average Class Size
Object-Oriented Design	21	60
Practice of Software Engineering (Agile)	21	60
Computer Networks	5	60
IoT Project	1	60

D Selected Publications

1. Cason, D; Buzato, L.E., Time Hybrid Total Order Broadcast: Exploiting the inherent synchrony of broadcast networks. Journal of Parallel and Distributed Computing (JPDC), print, v. 77, p. 26-40, 2015. Qualis: A. Impact Factor: 3.734.

2. Cason, D.; Buzato, L.E., On-Time Fast Paxos, Technical Report TR-IC-17-02. *submitted for publication.*

3. Vieira, G.M.D.; Buzato, L.E., Treplica: Ubiquitous Replication. In: 26th Brazilian Symposium on Computer Networks and Distributed Systems (SBRC), Rio de Janeiro, 2008. Proc. of the 26th SBRC, 2008, p. 1-8. Qualis: A.

4. Viera, Gustavo M. D.; Garcia, Islene C.; Buzato, L.E., Seamless Paxos Coordinators. Cluster Computing, v. 17, p. 463-473, 2013. Qualis: A. Impact Factor: 3.458.

5. Vieira, Gustavo M. D.; Buzato, L.E., On the coordinator's rule for Paxos. Information Processing Letters, v. 1, p. 1-6, 2008. Qualis: A. Impact Factor: 1.598.

6. Oliva, A.; Buzato, L. E., The Design and Implementation of Guaraná. In: Fifth USENIX Conference on Object-Oriented Technologies and Systems (COOTS'99), 1999, San Diego, California, USA. Proceedings of Fifth USENIX Conference on Object-Oriented Technologies and Systems (COOTS'99). Berkeley, CA : USENIX Association, 1999. p. 203-216. Qualis: A.

7. Garcia, I. C.; Vieira, G. M. D.; Buzato, L. E. . RDT-Partner: An Efficient Checkpointing Protocol that Enforces Rollback-Dependency Trackability. In: 19th Brazilian Symposium on Computer Networks (SBRC'01), 2001, Florianópolis. Annals of the 19th Brazilian Symposium on Computer Networks, 2001. Acceptance Rate: 34% Qualis: A.

8. Garcia, I. C. ; Buzato, L. E. . Progressive Construction of Consistent Global Checkpoints. In: 19th IEEE International Conference on Distributed Computing Systems, 1999, Austin, Texas. Proceedings of the 19th IEEE International Conference on Distributed Computing Systems. Los Alamitos, CA : IEEE Computer Society, 1999. p. 55-62. Qualis: A.

9. Nakai, A; Madeira, E.; Buzato, L.E.; On the use of Resource Reservation for Web Services Load Balancing. Journal of Network and Systems Management, v. 1. p. 1-37, 2014. Qualis: B. Impact Factor: 2.139.

10. Nakai, A. M.; Madeira, E.R.M.; Buzato, L.E., Load Balancing for Internet Distributed Services using Remote Resource Reservation. In: 5th Latin-American Symposium on Dependable Computing (LADC), 2011, São José dos Campos. Proc. of the 5th LADC, IEEE, p. 156-165, 2011. Qualis: A.

11. Bittencourt, L.F.; Madeira, E.R.M.; Buzato, L.E., A Path Clustering Heuristic for Scheduling Task Graphs onto a Grid. In: 24th Brazilian Symposium on Computer Networks and Distributed Systems, 2006, Curitiba, Brazil. Proc. of the 24th SBRC, 2006. Qualis: A.

12. Cicerre, F. R. L.; Madeira, E. R. M.; Buzato, L. E., Structured Process Execution Middleware for Grid Computing. Concurrency and Computation: Practice and Experience, UK, v. 18, n. 9-10, p. 581-594, 2006. Acceptance Rate: 32%. Qualis: A. Impact Factor: 1.536.

13. Cicerre, F. R. L. ; Madeira, E. R. M. ; Buzato, L. E., A Hierarchical Process Execution Support for Grid Computing. In: 2nd ACM International Workshop on Middleware for Grid Computing (MGC 2004), 2004, Toronto. Proceedings of the MGC 2004 - 2nd International Workshop on Middleware for Grid Computing. New York : ACM Pres, 2004. p. 87-92. Acceptance Rate: unavailable. Qualis: B.

14. Buzato, L. E. ; Calsavara, A. . Stabilis: A Case Study in Writing Fault-Tolerant Distributed Applications using Persistent Objects. In: Fifth International Workshop on Persistent Object Systems, 1992, San Miniato. Proceedings of the Fifth International Workshop on Persistent Object Systems. Berlin : Springer-Verlag, 1992. p. 333-355. Qualis: A.

E   Research Grants (Government & Industry)

The table below summarizes the funding obtained from governmental research agencies and industry. The columun Project Name contains a mnemonic key that points to the summary of the project, found after the table. The column Role refers to my role in the project as Principal Investigator (PI) or a Member (Me); the column Source refers to the source of funding: Government (G) or Industry (I).

Period	Project Name	Amount Awarded (US$)	Role	Source
03/2019 - current	Hardware-Assisted Distributed Lock Manager	35,000.00	Me	G
07/2019 - 12/2019	Blockchain Performance Analysis	20,000.00	PI	I
03/2014 - 12/2014	Active Database Replication	30,000.00	PI	I
04/2006 - 12/2019	Management of Mobile Services	462,224,80	Me	G
03/2006 - 11/2020	Grid Workflow Applications	20,000.00	PI	G
08/2004 - 07/2005	Secure and Available Web Services	50,000.00	PI	G
02/2000 - 11/2004	Advanced Geoprocessing Services	947,000.00	Me	G
11/1998 - 10/2002	Reconfiguration of Distributed Systems	125,000.00	Me	G
06/1998 - 05/2000	High-Performance Laboratory Cluster	630.000,00	PI	G
06/1997 - 05/1998	Distr. Management Communication Networks	67,500.00	PI	I
09/1996 - 08/1998	Soft. Arch. Reliable Distributed App.	85,730.00	PI	G
03/1988 - 02/1990	Routing Multi-layer Circuits	35,000.00	PI	I
	Total	2,507,454.80		

F   Supervised PhDs

1. Daniel Cason. The Role of Synchrony on the Performance of Paxos. Funding Agency: FAPESP. 2017. *Currently a Postdoctorate at Università della Svizzera Italiana (USI), Switzerland and Research Engineer at Informal Systems.*

2. Alan Massaru Nakai. New Mechanisms for Workload Balancing on Computer Grids. Funding Agency: FAPESP. 2012. Co-Advisor. *Currently Lead Software Architect at EMBRAPA (Brazilian Agricultural Research Agency), Ministry of Agriculture.*

3. Gustavo M. D. Vieira. Algorithms and Software Architectures for Dependable Web Services. Funding Agency: CNPq. 2010. *Currently Assistant Professor at Federal University of São Carlos, Brazil.*

4. Fabio R. de L. Cicerre. Hierarchical Grid Execution of Distributed Applications. Funding Agency: CNPq. (Process number: 145562/1998-0). 2007. *Currently Lead Software Architect, São Paulo Revenue Agency, São Paulo, Brazil.*

5. Islene C. Garcia. Progressive Views of Distributed Applications. Funding Agency: FAPESP (Processo 99/01293-2). 2001. *Currently Assistant Professor at the Institute of Computing, University of Campinas, Brazil.*

G   Quantitative Indices

Journal articles (peer reviewed): 6

Conference proceedings (peer reviewed): 49

books: 2

book chapters: 1

Advised PhD Theses: 5

Advised MSc Dissertations: 18

Google Scholar: h-index 15, i-10 index 28 (08/2021).

Master Students supervided: 18

Scientific Initiations supervised: 4

Software: treplica replication toolkit (Paxos, Fast Paxos, On-time Fast Paxos), guaraná reflexive java virtual machine, distributed checkpoint-recovery simulator, stabilis distributed atomic actions supervisor.

H   Links

Google Scholar

CNPq Lattes (Portuguese)