

Short biography

Graduated in Electrical Engineering (UFSC, Brazil, 1987), MSc in Electrical Engineering (UFSC, Brazil, 1990), and PhD in Computer Science (IRISA - Université de Rennes I, France, 1994).

Currently he is professor at the Computer Science Department at Federal University of Paraná, Brazil (since 2015). Previously, he was professor at the Computer Science Department at UTFPR, Brazil (2011-2015), at PPGIa/PUCPR, Brazil (1998-2011), and assistant professor at DAS/UFSC, Brazil (1996-1998).

He was a visiting faculty at École des Mines de Nantes, France (1999-2001), University of Rennes I, France (2008), University of Milan/Crema, Italy (2009), and INRIA Bretagne Research Center Rennes, France (2018).

In 2001 he co-founded with prof. Joni Fraga the Brazilian Workshop on Information Security, which later became the Brazilian Symposium on Information and Computing Systems Security (SBSeg). He was the first coordinator of the Special Interest Group in Security of the Brazilian Computer Society (SBC), and the Brazilian representative at IFIP TC-11 (2006-2010).

His research activities involve resource management and security in operating systems and distributed systems.

Timeline

- 1983 - 1988: Electrical Engineer, [UFSC](#), Florianópolis - Brazil.
- 1988 - 1990: MSc in Electrical Engineering (Industrial Automation), UFSC, Florianópolis - Brazil, under the supervision of prof. [Jean-Marie Farines](#).
- 1990 - 1994: PhD in Computer Science (distributed systems), [IRISA/INRIA](#), Rennes - France, under the supervision of prof. [Michel Raynal](#).
- 1994 - 1996: Researcher at the [Electrical Engineering Dept](#), UFSC, Florianópolis - Brazil.
- 1996 - 1998: Co-founder and Professor at the [Automation and Systems Engineering Dept](#), UFSC, Florianópolis - Brazil.
- 1998 - 2011: Professor at the [Graduate Program in Computer Science](#) at [PUCPR](#), Curitiba - Brazil.
- 2000 - 2002: Invited Professor at EMOOSE (European Master in Object-Oriented Software Engineering) - [École des Mines de Nantes](#), Nantes - France.
- 2006 - 2010: Brazilian representative in the [IFIP TC-11](#) (Security and Privacy Protection).
- 2007 - 2008: Invited Professor at IRISA/INRIA - [Université de Rennes I](#), Rennes - France.
- 2009: Sabbatical year in information security at the [SPDP Lab](#) of the [Università degli Studi di Milano](#), Crema - Italy, under the supervision of prof. [Pierangela Samarati](#).
- 2010 - 2015: Research grant from the Brazilian Research Council ([CNPq](#)).
- 2011 - 2015: Professor at the [Computer Science Dept](#) at [UTFPR](#), Curitiba - Brazil.
- 2012 - ... : Advisor at the [Graduate Program in Computer Science](#) at [UFPR](#), Curitiba - Brazil.
- 2015 - ... : Professor at the [Computer Science Dept](#) at [UFPR](#), Curitiba - Brazil.
- 2018: Sabbatical year in systems security at [IRISA/INRIA Bretagne Atlantique](#), Rennes - France.
- 2021 - ... : Coordinator of the UFPR Bachelor in Computer Science (undergraduate level).

Research

Interest topics: security and resource management in operating systems and distributed systems.

More information:

- [Lattes CV database](#) (in portuguese)
- [ResearchGate](#)

- [Google Profile](#)
- [DBLP database](#)
- [Microsoft Research](#)
- [Research ID](#)
- [ORCID](#)
- [LinkedIn](#)
- Facebook, Instagram, Twitter, Tiktok, your preferred social network

Member of the [SBC - Brazilian Computer Society](#).

Miscellaneous



Linux enthusiast and power-user since **1993**. In 1994 I wrote my PhD thesis using LaTeX on a laptop running the prehistoric [SLS distribution](#) (thanks [Noël Plouzeau](#)!).

The first kernel I compiled by myself was version 0.99.14.

[Amateur homebrewer](#) (in portuguese).

Erdős and Einstein numbers

My [Erdős number](#) is 3: [Paul Erdős](#) (0) → [Shmuel Zaks](#) (1) → [Michel Raynal](#) (2) → Carlos Maziero (3).

The papers linking us are:

1. [Minimum-Diameter Cyclic Arrangements in Mapping Data-Flow Graphs onto VLSI Arrays](#). **P. Erdős**, I. Koren, S. Moran, G. Silberman, **S. Zaks**. In: Mathematical Systems Theory 21, 85-98, Springer-Verlag, 1988.
2. [On-the-fly replay: a practical paradigm and its implementation for distributed debugging](#). O. Gerstel, **S. Zaks**, M. Hurfin, N. Plouzeau, **M. Raynal**. In: 6th IEEE Symposium on Parallel and Distributed Processing, 1994.
3. [A distributed kernel for virtual time driven applications](#). Ph. Ingels, **C. Maziero**, **M. Raynal**. In: 4th IEEE Intl Conference on Computing and Information, 1992.

Similarly, my **Einstein Number** is 5: [Albert Einstein](#) (0) → [Ernst Gabor Straus](#) (1) → [Béla Bollobás](#) (2) → [Jean-Claude Bermond](#) (3) → [Michel Raynal](#) (4) → Carlos Maziero (5).

The papers linking us are:

1. [The influence of the expansion of space on the gravitation fields surrounding the individual stars](#). **A. Einstein**, **E. Straus**. In: Rev. Modern Physics. 17, (1945). 120-124.
2. [Complete subgraphs of chromatic graphs and hypergraphs](#). **B. Bollobás**, P. Erdős, **E. Straus**. In: Utilitas Math. 6 (1974), 343-347.
3. [The diameter of graphs - a survey](#). **J.-C. Bermond**, **B. Bollobás**. In: 12th Southeastern Conference on Combinatorics, Graph Theory and Computing, Vol. I, 3-27, Baton Rouge USA, 1981.
4. [General and efficient decentralized consensus protocols](#). **J.-C. Bermond**, J.-C. König, **M. Raynal**. In: Distributed Algorithms, Lecture Notes in Compututer Science, 312, Springer, Berlin, 1988.
5. [A distributed kernel for virtual time driven applications](#). Ph. Ingels, **C. Maziero**, **M. Raynal**. In: 4th IEEE Intl Conference on Computing and Information, 1992.

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