Riccardo Gozzi

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Perso	nal informations			
Addres	s: Via Cugini 10, Reggio Emilia, Italy; Phone numbe	er: +393341147780;		
Email:	ilgozzi@mail.com; Nationality: Italian; Sex: male			
Educa	ation			
≻	Scientific high school		2006-2011	
	Liceo Ariosto Spallanzani, Reggio Emilia, Italy	Grade: 100/100		
۶	BSc in Physics		2011-2014	
	University of Modena & Reggio Emilia, Italy			
≻	MSc in Theoretical Physics		2014-2016	
	University of Bologna, Italy	Grade: 110/110 with hon	de: 110/110 with honors	
≻	PhD in Physics and Mathematics of Information		2017-2022	
	Instituto Superior Tecnico, Lisbon, Portugal	Grade: Pass with distincti	on	
Grant	S		_	
≻	PhD Grant PD/BD/135190/2017		2017	
	Obtained from Fundação para a Ciência e a Tecnologia, (FCT)			
≻	Grants JP18H03203 and JP20H05967		2021-2022	
	Obtained from JSPS KAKENHI			
≻	Grant ANR-20-CE48-0002-01		2022-2024	
	Obtained from ANR Project			
≻	Grant CRC/SFB 1608		2024-Present	
	Obtained from Convide			
ost de	actoral avnoriances			
<u>081-ut</u>	octor ar experiences			
>	Kyoto University, Kyoto, Japan,			2021-2022
≻	École Polytechnique / Université Paris-Est Créteil Val de Marne (UPEC), Paris, France			2022-2024

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Publications

Journals:

- Title: Kraus operators and symmetric groups; Authors: A.Cattabriga, E.Ercolessi, R.Gozzi, E.Meucci; Journal: International Journal of Geometric Methods in Modern Physics, 2150142; Year: 2021
- Title: Characterizing time computational complexity classes with polynomial differential equation; Authors: R.Gozzi, D.Graça; Journal: Computability vol. 12, no. 1, pp. 23-57, 2023; Year: 2023
- Title: A continuous characterization of PSPACE using polynomial ordinary differential equations; Authors: O.Bournez, R.Gozzi, D.Graça, A. Pouly; Journal: Journal of Complexity: 101755; Year: 2023
- Title: Set descriptive complexity of solvable functions; Authors: R.Gozzi, O.Bournez; Journal:Computability vol.14, no. 1; Year: 2025

Conferences with a selecting committee:

- Title: Using differential equations to characterize complexity classes; Location: virtual (originally planned for Faro, Portugal); Conference: Continuity, Computability, Constructivity; Year: 2020
- Title: Analog characterization of complexity classes; Location: virtual; Conference: Computability and Complexity in Analysis; Year: 2021
- Title: Discontinuous IVPs with unique solutions; Location: Dubrovnik, Croatia; Conference: Computability and Complexity in Analysis; Year: 2023
- Title: Discontinuous IVPs with unique solutions; Location: Kyoto, Japan; Conference: Continuity, Computability, Constructivity; Year: 2023
- Title:Solving discontinuous initial value problems with unique solutions is equivalent to computing over the transfinite; Authors: O.Bournez and R.Gozzi; Location: Clermont-Ferrand; Conference: 41st International Symposium on Theoretical Aspects of Computer Science (STACS); Year: 2024
- Title: Set descriptive complexity of solvable functions; Location: Nice, France; Conference: Continuity, Computability, Constructivity; Year: 2024

In preparation and/or submitted:

- Title: Complexity of computing the complex square root on connected domains; Authors: A.Kawamura and R.Gozzi.
- Title: Solvable Initial Value Problems Ruled by Discontinuous Ordinary Differential Equations; Authors: O.Bournez and R.Gozzi.

Theses

- Title:Open dynamics of su (3) quantum systems; Authors:E.Ercolessi and R.Gozzi; Link: http://amslaurea.unibo.it/id/eprint/12395
- Title: Analog characterization of complexity classes; Authors: R.Gozzi; Citation: Gozzi, Riccardo, and Daniel Graça. Analog characterization of complexity classes. Diss. Ph. D. thesis, Instituto Superior Técnico, Lisbon, Portugal and University of Algarve, Faro, Portugal, 2022.

Teaching experiences

- Supply teacher for primary school "Marco Emilio Lepido", Reggio Emilia, Italy, 22/02/2017 28/02/2017
- Supply teacher for the primary school "Don Pasquino Borghi", Reggio Emilia, Italy, 24/04/2017 10/06/2017