



Dott. Ing.

# SEBASTIAN RAIMONDO

Ph.D.

## FACTS

### Personal

- Sebastian Raimondo
- Nationality: Italian
- 06-March-1992
- Venezia, Italy
- [dr.sebastian.raimondo@gmail.com](mailto:dr.sebastian.raimondo@gmail.com)
- [linkedin.com/in/sebastian-raimondo](https://www.linkedin.com/in/sebastian-raimondo)

### Areas of specialization

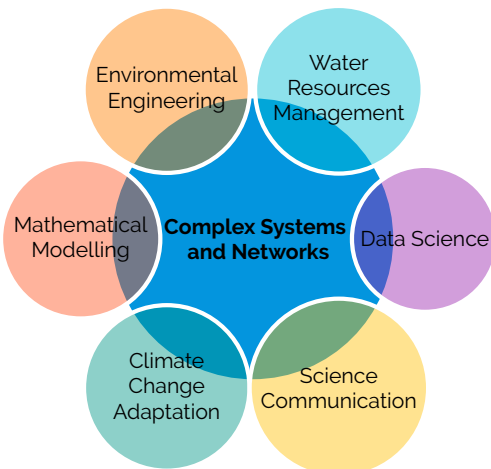
- Complex Systems and Networks
- Natural Resources Planning and Management
- Data Analysis

## SKILLS

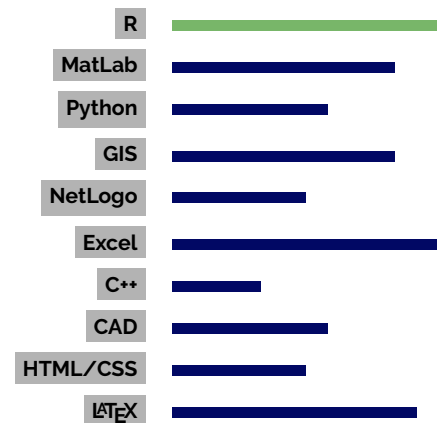
### Languages

- Italian** | mother tongue ●●●●
- English** | proficient (C) ●●●●

### Interests



### IT and Programming Skills



## RESUMÉ

from 2023

### Researcher

SOCIO-ECOSYSTEM MODELLING

Fondazione Eni Enrico Mattei · Venezia, Italy

Main activities: developing a multiscale modelling platform to support decision-making for climate change adaptation strategies in coastal zones.



2018–2022

### Ph.D. Degree

MATHEMATICS

University of Trento, Fondazione Bruno Kessler-Trento, Italy

*Cum Laude*

Main topics: complex systems, human mobility, mathematical modelling, network reconstruction, causal analysis, data analysis.



2016–2018

### M.Sc. Degree

ENVIRONMENTAL AND LANDPLANNING ENGINEERING

Politecnico di Milano · Milano, Italy

*Mark: 110/110*

Thesis main topics: water-energy-food-climate nexus, water systems planning and management, climate adaptation.



2018

### Visiting Student

MASTER THESIS

Tufts University · Boston, USA



2012–2016

### B.Sc. Degree

INGEGNERIA PER L'AMBIENTE E IL TERRITORIO

Politecnico di Milano · Milano, Italy



## PUBLICATIONS

- 2023** *Features-Enriched Radiation Model*, [paper], S. Raimondo, M. De Domenico, *to be submitted*.
- Aug 2022** *Multilayer Network Science.*, [book], O. Artime, B. Benigni, G. Bertagnolli, V. d'Andrea, R. Gallotti, A. Ghavasieh, S. Raimondo and M. De Domenico, *Cambridge Univ. Press*.
- Feb 2022** *COVID-19 lockdown unravels the complex interplay between environmental conditions and human activity*, [paper], S. Raimondo, B. Benigni, M. De Domenico, *Complexity*.
- Jan 2021** *Measuring topological features of complex networks under uncertainty*, [paper], S. Raimondo, M. De Domenico, *Physical Review E* 103 (2), 022311.

## CONFERENCE TALKS

- Oct 2021** *Generalizing the Radiation Model with Exogenous Drivers*, at **Conference on Complex Systems** in Lyon, by Complex Systems Society.
- Jul 2021** *Measuring network features under uncertainty*, at **Networks 2021** by International Network for Social Network Analysis (Sunbelt), Network Science Society.
- May 2021** *Measuring network features under uncertainty*, at **CompleNet 2021**, 12th International Conference on Complex Networks.
- Dec 2020** *Environmental conditions and human activity nexus: the case of Northern Italy during COVID-19 lockdown*, at **Conference on Complex Systems** in Thessaloniki, by Complex Systems Society.
- Dec 2020** *Measuring network features under uncertainty*, at **Conference on Complex Systems** in Thessaloniki, by Complex Systems Society.
- Nov 2020** *Environmental conditions and human activity nexus: the case of Northern Italy during COVID-19 lockdown*, at: **VI COVID-19 Response Webinar** [invited].
- Sep 2020** *Measuring network features under uncertainty*, at **NetSci2020** in Rome, by Network Science Society.
- Jul 2019** *Measuring network features under uncertainty*, at **Conference on Complex Systems, Italian Chapter** in Trento, by Complex Systems Society.

# STRENGTHS

systems thinking inter/trans-disciplinarity  
fast learning teaching skills  
public speaking academic writing  
problem solving attention to details  
autonomous organization adaptability  
creativity story-telling empathetic

## Other Personal Interests



Piano



Exploring



Climbing



Ecology



Philosophy



Sailing

# OTHER ACADEMIC AND WORK EXPERIENCES

- 2023-current** Academic Editor for the journal [PLoS Complex Systems](#).  
**2022-current** Co-founder of "[Semplicemente Complesso](#)": organization for scientific dissemination that delivers seminars and laboratories in schools and cultural events.  
**2021** Organization of a satellite conference at the international Conference on Complex Systems (CCS2021), Lyon, 2021.  
**2019-2021** Teaching assistant for the course *Network Science: Theory and Lab* at the University of Trento (prof. Manlio De Domenico)

## AWARDS & GRANTS

- 2019** Best Ph.D. Talk Award, at the Mediterranean School of Complex Networks, Salina, Italy.  
**2018** Doctoral Scholarship from University of Trento and Fondazione Bruno Kessler.

## REFERENCES

- prof. Carlo Giupponi, Ca'Foscari University Venice  
prof. Manlio De Domenico, University of Padua  
prof. Andrea Castelletti, Politecnico di Milano

## SCHOOLS AND WORKSHOPS

- 2023** Climate Analytics - *PROVIDE - Climate Overshoot Proofing Methodology*, workshop for EU level policy makers and researchers, Brussels, Belgium.  
**2023** FEEM - *Challenges in Modelling the Economics of Sea Level Rise* - Fondazine Eni Enrico Mattei, Venezia, Italy.  
**2021** CoMuNe Lab - *Complexity Webinars* - FBK CoMuNe Lab, Online  
**2020** ICTP - *Winter School on Quantitative Systems Biology: Quantitative Approaches in Ecosystems Ecology* - International Center for Theoretical Physics, Online.  
**2020** UNITN - *Training course on the communication of scientific research* - University of Trento, Trento, Italy  
**2019** CSH - *Higher-Order Connectivity and Correlations in Complex Systems* - Complexity Science Hub, Vienna, Austria  
**2019** MSCx - *Mediterranean School of Complex Networks*, Isola di Salina, Italy

## ARTISTIC SKILLS

- I have been playing the piano since the age of six. I used to play church organ and electronic keyboards.
- I play ethnic musical instruments, such as australian didgeridoo and african djembé.
- I attended capoeira classes by the Sao Salomao school.
- I have experiences as gymnastics and parkour coach.
- I collaborate with the theater company Fondamenta Zero as a scientific consultant for the conception and realization of theatrical performances.

## OTHER SKILLS AND EXPERIENCES

- I attended a course for Glaciological Operators, with the "Servizio Glaciologico Lombardo" association, which allows me to participate in measurement campaigns on Alpine glaciers.
- I attended the classes of Forest Ecology and General Botany at the Università degli Studi di Milano.
- I attended a course on traditional wood carpentry organized by "La Sermenza" Association in Boccioleto, Italy.
- I have a boat license for navigation within 12 miles of the coast for motorboat and sailboat.

## EXPERIENCES ABROAD

Most of my master thesis work was conducted at Tufts University in Boston (USA). I participated to various international conferences and workshops. I visited many countries for study and recreational purposes (England, Scotland, France, Switzerland, Spain, Germany, Holland...).

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