



Dott. Ing.

SEBASTIAN RAIMONDO

Ph.D.

FACTS

Personal

Sebastian Raimondo
 Nationality: Italian
 06-March-1992
 Santa Maria Maggiore (VB), Italy

Areas of specialization

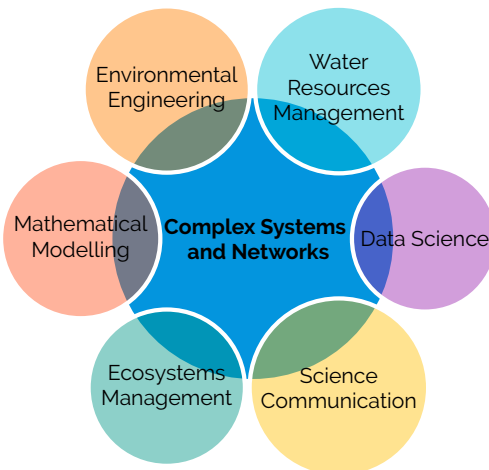
Complex Systems and Networks ·
 Natural Resources Planning and
 Management · Data Analysis

SKILLS

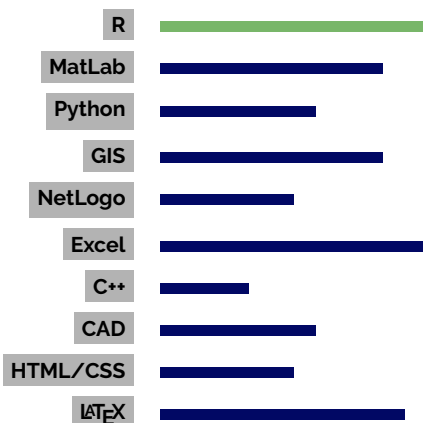
Languages

Italian	mother tongue	● ● ● ● ●
English	proficient (C)	● ● ● ● ●
Spanish	limited knowledge (A)	● ● ● ● ●

Interests



IT and Programming Skills



OS:

RESUMÉ

from 2023

Researcher

SOCIO-ECOSYSTEM MODELLING

Fondazione Eni Enrico Mattei · Venezia, Italy

Main activities: development of mathematical models to support climate change adaptation strategies.



2018–2022

Ph.D. Degree

MATHEMATICS

University of Trento and Fondazione Bruno Kessler · Trento, Italy

Cum Laude

Thesis 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

- 2022** *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 University 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), and the Network Science Society (NetSci).
- 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



Parkour



Ecology



Philosophy



Sailing

OTHER ACADEMIC AND WORK EXPERIENCES

- 2022** 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. Manlio De Domenico, University of Padua
prof. Andrea Castelletti, Politecnico di Milano
prof. Jonathan Lamontagne, Tufts University

SCHOOLS AND WORKSHOPS

- 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

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...).

ARTISTIC SKILLS

I have been playing the piano since the age of six. I used to play church organ and electronic keyboards. I also 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.

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.