



Dott. Ing.

SEBASTIAN RAIMONDO

Ph.D.

FACTS

Personal

Sebastian Alessandro Raimondo
 Nationality: Italian
 06-March-1992
 Venezia, Italy
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Areas of specialization

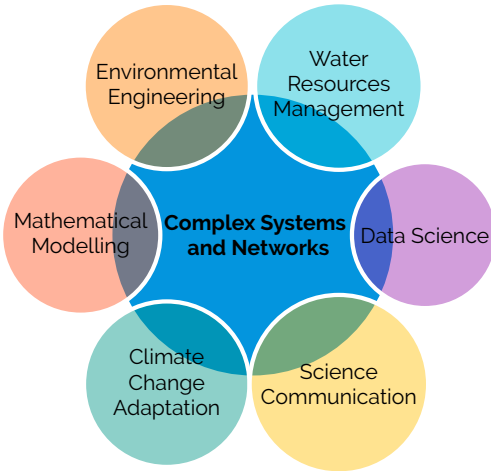
Complex Systems and Networks ·
 Natural Resources Planning and
 Management · Mathematical Modelling ·
 Data Analysis

SKILLS

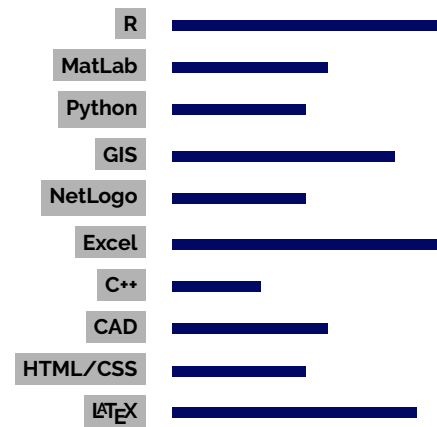
Languages

Italian | mother tongue ●●●●
English | proficient ●●●●

Interests



IT and Programming Skills



OS:

RESUMÉ

from 2024

Professor (Adjunct)

MATHEMATICAL MODELLING AND PROGRAMMING
 Ca' Foscari University of Venice · Venezia, Italy



from 2023

Researcher

SOCIO-ECOSYSTEM MODELLING

Fondazione Eni Enrico Mattei · Venezia, Italy



Main activities: developing modelling tools to support decision-making for climate change adaptation strategies in coastal zones; Coordinating the development and selection of evaluation criteria and indicators in the EUROLakes project, supporting progress tracking and strategy revision.

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.

2018

Visiting Student

MASTER THESIS

Tufts University · Boston, USA



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 modelling, planning and management, climate adaptation.



2012–2016

B.Sc. Degree

INGEGNERIA PER L'AMBIENTE E IL TERRITORIO

Politecnico di Milano · Milano, Italy



OTHER ACADEMIC AND WORK EXPERIENCES

2024-current

Research Consultant - Ca' Foscari University for the analysis of atmospheric and impact modeling data produced by ARPAV, aimed at deriving a socio-economic evaluation of the PRTRA. This work is part of the project "Agreement with ARPAV for the study, analysis, and evaluation of the effects induced by air quality improvement measures applied in the Veneto Region";

2024

Teaching assistant - Ca' Foscari University for the course *Adaptive Management of Natural Resources and Agricultural Systems* (prof. Carlo Giupponi);

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;

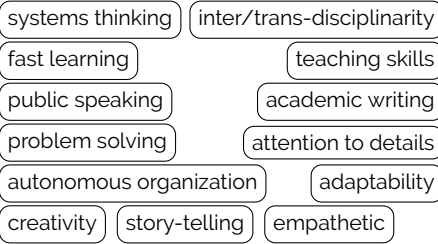
2019-2021

Teaching assistant - University of Trento for the course *Network Science: Theory and Lab* (prof. Manlio De Domenico);

2019-2024

Reviewer for the journals *Scientific Reports*, *PLoS Complex Systems*, *IMA Journal of Applied Mathematics*.

STRENGTHS



Other Personal Interests



Piano



Exploring



Hiking



Creative Writing



Philosophy



Sailing

PUBLICATIONS

- 2024** *Venice Lagoon's Blue Carbon: Seagrass and Salt Marsh Carbon Storage Dynamics*, [paper], S. Raimondo, F. Cornacchia, P. Rivadeneira, C. Giupponi *to be submitted*;
- 2024** *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 2024** *Venice Lagoon's Blue Carbon: Seagrass and Salt Marsh Carbon Storage Dynamics*, at **ESP Conference 2024** in Wageningen, Netherlands, by Ecosystem Services Partnership;
- Sep 2024** *Venice Lagoon's Blue Carbon: Seagrass and Salt Marsh Carbon Storage Dynamics*, at **International System Dynamics Society** in Bergen, Norway, by System Dynamics Society;
- 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.

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* - Fondazione 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.

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
- [prof. Manlio De Domenico](#), University of Padua
- [prof. Andrea Castelletti](#), Politecnico di Milano

ARTISTIC SKILLS

- I have been playing the piano and electronic keyboards since the age of six. I used to play church organ;
- 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 collaborated with the theater company Fondamenta Zero as a scientific consultant for the conception and realization of theatrical performances;
- I am a Certified Instructor for an Introductory Course in *Therapeutic Creative Writing* for the association "La Via Poetica".

OTHER SKILLS AND EXPERIENCES

- Completed a training course for *Glaciological Operators* with the "Servizio Glaciologico Lombardo" association, granting me the qualification to participate in measurement campaigns on Alpine glaciers.;
- 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.

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