

## GIULIO COSTANTINI

### **Curriculum Vitae – May 2025**

Psychology Department

University of Milan-Bicocca

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Phone: +390264483839

### **SHORT SUMMARY**

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I earned my Ph.D. in Psychology from the University of Milano-Bicocca in 2015, with a thesis titled “Network Analysis: A New Perspective on Personality Psychology,” under the supervision of Prof. Marco Perugini. Currently, I am an Associate Professor of Psychometrics at the same institution. My research primarily focuses on advancing network analysis as a statistical and theoretical framework for modeling personality, with particular emphasis on traits such as conscientiousness and honesty—the latter supported by a grant from Wake Forest University and the John Templeton Foundation (#61842). Additionally, I am engaged in the psychometric measurement of personality through both questionnaires and implicit measures. My broader research interests include the interplay between personality, behavior, and psychological situations, as well as topics like creative problem solving, statistical power, and scientific reproducibility. Since 2024, I have served as president of the international MSc program in Applied Experimental Psychological Sciences at the University of Milano-Bicocca and am currently the president-elect of the European Association of Personality Psychology (EAPP).

## CURRENT POSITION

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Dec 2022- Today      **Associate Professor in Psychometrics (MPSI/03)**  
Psychology Department, University of Milan-Bicocca

## EDUCATION

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### NATIONAL QUALIFICATIONS

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Sep 2022      **National Academic Qualification as Full Professor**  
Scientific sector 11/E1  
Valid from 27/09/2022 to 27/09/2032  
<https://asn21.cineca.it/pubblico/miur/esito/11%252FE1/1/3>

Nov 2018      **National Academic Qualification as Associate Professor**  
Scientific sector 11/E1  
Valid from 05/11/2018 to 05/11/2024  
<https://asn16.cineca.it/pubblico/miur/esito-abilitato/11%252FE1/2/5>

### EDUCATION

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Feb 2015      **PhD in Experimental Psychology, Linguistics and Cognitive Neuroscience,**  
Psychology Department, University of Milan-Bicocca.  
Thesis: "Network Analysis: A New Perspective on Personality Psychology". Supervisor: Prof. Marco Perugini.

Lug 2010      **Master's degree in Psychology (110/110 cum laude),**  
University of Milan-Bicocca.

Lug 2008      **Bachelor's degree in Psychology (110/110 cum laude),**  
University of Milan-Bicocca.

### ADDITIONAL EDUCATION

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Jan 2020      Winterschool "Modeling the dynamics of intensive longitudinal data",  
Tillburg Experience Sampling Center (TESC), Tillburg University,  
Netherlands, 6-9 Gennaio 2020. Lecturers: H. Hamaker, N.  
Schoorman, L. Bringmann, R. Kuiper, O. Ryan.

May 2017      School "Complex Networks: theory, methods and applications III" Lake  
Como School. Como, 15-19 Maggio 2017. Organizer: Alessandro Volta  
Foundation.

Sep 2016	Workshop “Bayesian analysis with JASP: A fresh way of doing statistics”. Prof. E.J. Wagenmakers (University of Amsterdam). Sep 26-27 2016. Psychology Department, University of Milan-Bicocca.
May 2015	“Bayesian Statistics: Modelling, Computation and Testing”, prof. I. Ntzoufras. Organized by the the program in “Statistics and Financial Mathematics”, University of Milan-Bicocca, May 11-15 2015.
Jul-Aug 2012	Summer School in “Method and Techniques: Introduction to Network Analysis with Pajek”. Prof. V. Batagelj. University of Ljubljana, Slovenia, July 27– August 11 2012. Organizer: European Consortium for Political Research.
Apr 2013 – Sep 2013	Post-lauream Internship “A Social Network Analysis of the Psychology Department”. Psychology Department, University of Milan-Bicocca. Tutor: Prof.ssa Cristina Zogmaister. Duration: h. 500.
Oct 2012 – Apr 2013	Post-lauream Internship “Situation, Personality, and Behavior”. Psychology Department, University of Milan-Bicocca. Tutor: Prof.ssa Cristina Zogmaister. Duration: h. 500.
Jul 2011	Summer school “Robust Statistics for Personality And Individual Differences”, Organizers: J. B. Asendorpf, M. Perugini, R. Wilcox. University Residential centre of Bertinoro, Bertinoro, FC, Italy.

## TEACHING EXPERIENCE

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### COURSES AT THE PhD LEVEL

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AY 2023.24	Summer School “Introduction to Network Psychometric Analysis in Psychology” 2 <sup>nd</sup> edition, May 27 <sup>th</sup> -29 <sup>th</sup> 2024, Università Cattolica del Sacro Cuore, Milano. School organized together with Semira Tagliabue, Michela Zambelli. Invited speaker: Denny Borsboom.
AY 2023.24	Two-day seminar “Generalized Linear and Mixed Models in R for psychologists” (11 hours). Rovereto, March 7 <sup>th</sup> -8 <sup>th</sup> , 2024. Organized by the Center for Data Analysis Techniques in Cognitive Science (CEDAT, Luigi Lombardi, Andrea Bizzego, Enrico Perinelli and Massimo Stella) for the Department of Psychology and Cognitive Neuroscience, University of Trento.
AY 2022.23	Summer School “Introduction to Network Psychometric Analysis in Psychology”, August 29 <sup>th</sup> -September 1 <sup>st</sup> 2023, Università Cattolica del Sacro Cuore, Milano. School organized together with Semira Tagliabue, Michela Zambelli, and Sacha Epskamp.
AY 2021-22	2022 <b>LEARNVUL Summer School</b> , September 5-9 <sup>th</sup> , 2022, Fondazione Volta, Como. I taught R Markdown (1.5 hours) and the Random-intercept Cross-lagged panel model in R (1.5 hours).
AY 2020-21	Summer School “ <b>The signal and the noise: Replicability of results and statistical power</b> ”, September 27-28 <sup>th</sup> , 2021, Department of Psychology, of Developmental and Socialization processes, Faculty of Medicine and Psychology, Sapienza Roma University. Virtual school lasting 4 hours (Perugini) + 4 hours (Costantini).
AY 2020-21	<b>Costantini, G.</b> , <i>Simulations of power analysis for complex experimental designs in R</i> . Invited PhD course, PhD in Psychology and Social Neurosciences, Psychology Department, Università la Sapienza di Roma. May 14 2021, Organizer: prof. Matteo Candidi. Duration: 1.5 hours.
AY 2020-21	2021 <b>LEARNVUL Summer School</b> , September 20-24 <sup>th</sup> , 2021, Timisoara. I taught nine lectures lasting about 1.5 hours each, four of which in compresence. Lectures included an introduction to the software R, data-analysis and power analysis in R.
AY 2018-19	Costantini, G. & Perugini, M., <b>Crash course on Power Analysis</b> . Invited PhD seminar, Dipartimento di Psicologia e Scienze Cognitive, Università degli Studi di Trento. Scientific coordinator: Maria Paola Paladino. January 25 <sup>th</sup> , 2019; Duration: 3 hours (Perugini) + 2 hours (Costantini).
From AY 2015-16 to AY 2023-24	<b>“The R statistical software”, PhD school in Psychology</b> . Psychology Department, University of Milan-Bicocca.

Duration: 24 hours/year for AYs 2015-18, 6 hours/year from AY 2018/19.

Aug 2014

**Teaching assistant for the Summer School “Using R for personality research”**

Aug 23-28 2014, Bertinoro, Italy.

Duration of my teaching activity: 20 hours.

## MASTER’S COURSES

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a.a. 2023-24

**Master’s Course Statistical Techniques for Clinical and Health Psychology.**

Master’s course in Clinical Psychology.

Psychology Department, University of Milan-Bicocca.

Duration: h. 42 + h. 36 in the lab

AY 2018-2019

AY 2019-2020

AY 2020-2021

**Quantitative Methods**

Master’s course: Social, Economic, and Decision-Making Psychology, University of Milan-Bicocca.

Duration: h. 56.

AY 2017-2018

AY 2021-2022

AY 2022-2023

**Multivariate Data Analysis**

Master’s course: Clinical Psychology and Neuropsychology.

Psychology Department, University of Milan-Bicocca.

Duration: h. 42.

From AY 2017-2018 to

AY 2023-2024

**Lab instructor - Psychometrics and Quantitative Methods.**

Master’s course: Applied Experimental and Psychological Sciences.

Psychology Department, University of Milan-Bicocca.

Duration 2017-18: h. 18.

Duration all other years: h. 16.

AY 2015-2016

AY 2016-2017

**Lab instructor – Multivariate Data Analysis.**

Master’s course: Clinical Psychology and Neuropsychology.

Psychology Department, University of Milan-Bicocca.

Duration: h. 16/year.

AY 2012-2013,

AY 2017-2018,

AY 2022-2023,

AY 2023-2024

**Quantitative Methods Lab.**

Master’s course: Psychology of Social, Decisional and Behavioral-Economic processes"

Psychology Department, University of Milan-Bicocca.

Duration: h. 24 /year and h. 34/year only for AY 2023-24.

## BACHELOR'S COURSES

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AY 2014-2015	<b>Lab instructor – Psychometrics with SPSS lab 2.</b>
AY 2015-2016	Bachelor's course: Psychological Sciences and Techniques
AY 2016-2017	Psychology Department, University of Milan-Bicocca. Duration: h. 16 / year.
AY 2015-2016	<b>Tutor – Psychometrics with SPSS lab.</b>
	Bachelor's course: Psychological Sciences and Techniques
	Psychology Department, University of Milan-Bicocca. Duration: h. 30
AY 2012-2013	<b>Lab instructor – Psychometrics with SPSS lab 1.</b>
	Bachelor's course: Psychological Sciences and Techniques
	Psychology Department, University of Milan-Bicocca. Duration: h. 32

## MENTORING AND RESEARCH ADVISING

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Since 2022	Supervisor of the PhD candidate Anastasia Galkina, for the PhD program in Psychology, Linguistics and Cognitive Neuroscience.
2021-2023	Supervisor of the post-doc position awarded to Dr. Simona Amenta, for the project "Honest for the good reason: The impact of goals and motives on honesty"
2021-22	Supervisor of a scholarship for research activity awarded to Anastasia Galkina, for the project "Honest for the good reason: The impact of goals and motives on honesty"
2020-2024	Supervisor of PhD candidate Laura Ceppi for an executive scholarship in the PhD program in Psychology, Linguistics and Cognitive Neuroscience. Co-supervisor: Dott.ssa Rossella di Pierro.
2019-2023	PhD thesis co-supervisor (together with Semira Tagliabue and Emilio Ferrer) of Michela Zambelli's thesis "Investigating dynamics of change of psychological processes within a complexity framework: application to the meaning-making process." Catholic University of Milan. The thesis was awarded the Best PhD Dissertation Award 2023 (Italian Association of Psychology, AIP, experimental psychology division).
2018-2021	Member of the PhD committee of Andria Christodolou, PhD student in clinical psychology at the University of Cyprus. The dissertation was defended on April 2 <sup>nd</sup> 2021.

Supervisor: prof. Michalis Michaelides

2017-2021	Co-supervisor of PhD candidate Federica Conte for the PhD program in Psychology, Linguistics and Cognitive Neuroscience. Supervisor: prof.ssa Luisa Girelli University of Milan-Bicocca
Since 2015	Supervisor and co-advisor for several master's and bachelor's theses.

## RESEARCH EXPERIENCE

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### PERSONAL SKILLS

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Research interests	<p>Network models of personality and psychopathology. Applications of network analysis to the study of personality mechanisms, with a keen eye for motivational processes.</p> <p>Personality assessment through self-report and through the Implicit Association Test (IAT).</p> <p>Development of scoring algorithms for the IAT.</p> <p>Scientific reproducibility and power analysis.</p> <p>Personality, behavior and situations across cultures.</p> <p>Psychometric assessment of problem solving (insight, creativity) abilities</p> <p>Development of R packages.</p>
Software	<p>Data Analysis</p> <ul style="list-style-type: none"> <li>- R: I am author and co-author of several R packages. I teach R for PhD and MSc students.</li> <li>- SPSS: I teach SPSS at the bachelor's and master's level.</li> <li>- Jamovi: I teach Jamovi courses at the Master's level.</li> <li>- Pajek, a software for network analysis: user.</li> <li>- Matlab/Octave: basic knowledge.</li> </ul> <p>Software for data collection:</p> <ul style="list-style-type: none"> <li>- Inquisit</li> <li>- Qualtrics</li> </ul> <p>Generic software:</p> <ul style="list-style-type: none"> <li>- Windows and Office: advanced user.</li> </ul>
Languages	Italiano (mothertongue), Inglese.

## RESEARCH EXPERIENCE

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- Dec 2019 – Dec 2022     **Assistant Professor in Psychometrics (MPSI/03) – Tenure Track position (Italian RTD-B)**  
Psychology Department, University of Milan-Bicocca
- Oct 2017 – Dec 2019     **Assistant Professor in Psychometrics (MPSI/03) – Temporary position (Italian RTDA)**  
Psychology Department, University of Milan-Bicocca
- Jan 2016 – Sep 2017     **Post-doctoral research fellow in Psychometrics (MPSI/03),**  
Psychology Department, University of Milan-Bicocca.  
Research: “Network analysis as a new statistical tool: Applications to personality and beyond”.  
Scientific advisor: prof. Marco Perugini.
- Lug-Nov 2015             **Post-doctoral research assistant**, research project: “Personality perception and network analysis”.  
Psychology Department, University of Milan-Bicocca.  
Scientific advisor: prof. Marco Perugini.  
Duration: 5 months.
- Jan-May 2015             **Post-doctoral research assistant**, research project: “Applications of network analysis to personality”.  
Psychology Department, University of Milan-Bicocca.  
Scientific advisor: prof. Marco Perugini.  
Duration: 5 months.

## VISITING PHD STUDENT

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- Ott 2013 - Mar 2014         **Visiting PhD student**; Psychological Methods group, Department of Psychology, University of Amsterdam. Duration: 6 months.  
Advisor: prof. D. Borsboom.

## INVITED PARTICIPANT TO INTERNATIONAL WORKSHOPS

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- Dec 2025                   **Invited participant to the Expert Meeting** “Dynamics of Personality: Explaining human behavior and personality through modeling intraindividual processes”. December 13-15<sup>th</sup>, 2025, TUM Convention center Raitenhaslach (Bughausen, Bavaria, Germany). Organized by Markus Quirin and Fahrood Malekzad, and funded by Deutsche Forschungsgemeinschaft (DFG) and International Society for the Study of Individual Differences (ISSID).
- Dec 2021 and July 2022   **Invited participant to the Expert Meeting of the European Association for Personality Psychology (EAPP)** “Dynamics of



Personality: Integrating nomothetic and idiographic approaches into a synthetic framework". December 3-4 2021, online, and July 11, 2022 - ECP hybrid pre-conference workshop: July 11, 2022, in Madrid, Spain. Organizers: John Rauthmann, Markus Quirin, Le Vy Phan, Nick Modersitzki, Niclas Kuper, Gina Hernandez.

- Sep 2018 **Invited participant to the joint Expert Meeting of the European Association for Personality Psychology (EAPP) and the European Association of Psychological Assessment (EAPA)** "Conceptualizing and assessing personality: New approaches to fundamental questions". Organizers: René Möttus, David Condon, Dustin Wood
- Jul 2015 **Invited participant to the Expert Meeting of the European Association for Personality Psychology (EAPP)** "Integrating personality structure and processes". Annweiler am Triefels, Germany, July 27-29 2015. Organizers: Anna Baumert, Marco Perugini, Manfred Schmitt
- Aug 2013 **Invited participant to the Expert Meeting of the European Association for Personality Psychology (EAPP)** "Situations and Person-Situation Interactions". Berlin, Germany, August 23-25 2013. Organizers: John F. Rauthmann and David C. Funder.

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#### RESEARCH AWARDS, FUNDING, AND PARTICIPATION TO RESEARCH PROJECTS

- 2024-26 PI of the project "GOING ECO: GOal-based Intervention for improving ECO-driving according to personality traits", funded by Bicocca University's Competitive Fund, for €25000.
- 2024-2025 Member of the research team of the project "Inequalities in employment behavior among people with limiting longstanding illness in the Italian context: social determinants and socio-psychological dynamics", Andrea Gagnano (PI), other members are Massimo Miglioretti and Giuseppina dell'Aversana. funded by the Cariplo Foundation (€119,561).
- 2021-2023 Costantini, G. (PI), Perugini, M. (co-PI), "Honest for the good reason: The impact of goals and motives on honesty." Project funded by the Honesty Project at Wake Forest University and John Templeton Foundation, for \$150,241.00
- 2020-2023 **Member of the Unimib research unit** for the project H2020-WIDESPREAD-2020-5, €900,000, Sava, F.A., De Houwer, J., Perugini, M. "Learning in emotionally vulnerable people".

2020	<b>Study award</b> to conduct a replication as part of COS (Center for Open Science) effort in the SCORE program (Systematizing Confidence in Open Research and Evidence, <a href="http://www.cos.io/score">www.cos.io/score</a> ), \$7,044.
2020	<b>Preregistration prize.</b> Prize for preregistration of a study within the SCORE project (\$500), awarded by the Center for Open Science in collaboration with the DARPA.
2017, 2018, 2019, 2020, 2021	<b>Departmental publication prize.</b> Prize for scientific productivity during the previous year (€500 per year until 2019, €600 since 2020). This prize is assigned to members of the department according on the bibliometric quality (i.e., impact factor / Scimago quantiles) of a selection of previous year's publications. The prize amounts to max €500 until 2019 and €600 since 2020.
2017, 2018, 2019, 2020, 2021	<b>Annual research grants</b> (Departmental University Research Fund), awarded every year according to bibliometric quality (i.e., impact factor / Scimago quantiles) of publications, for a total of €10,981 between 2017 and 2021
2016	<b>EAPP scholarship</b> for attending the 18 <sup>th</sup> European Conference on Personality. July 19-23 2016, West University of Timisoara, Romania.
2013-2014	<b>Cariplo</b> (Cariplo Foundation, <a href="http://www.fondazione cariplo.it">www.fondazione cariplo.it</a> ), research grant "Dottorato ad alta formazione in Psicologia Sperimentale e Neuroscienze Cognitive", Funded project: "New applications of network analysis as a psychometric tool in personality psychology". grant number 2010-1432 (3000 euro).

## EDITORIAL ACTIVITIES

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2022, 2023, 2024	<b>Associate Editor</b> , European Journal of Psychological Assessment Editor in Chief: prof. Dragos Iliescu  <b>Associate Editor</b> , European Journal of Personality Editor in Chief: prof. René Möttus
2020 – 2022	<b>Consultant editor</b> , European Journal of Personality. Editor in Chief: prof. René Möttus
2020-2022	<b>Reviewer editor</b> – Frontiers in Psychology
2016 –2020	<b>Consulting editor</b> , European Journal of Personality. Editor in Chief: prof. Mitja Back
2022	Member of the Scientific Committee for the 20 <sup>th</sup> European Conference on Personality, Madrid, Spain, July 12 <sup>th</sup> -15 <sup>st</sup> 2022.
2017-2018	Member of the Scientific Committee for the 19 <sup>th</sup> European Conference on Personality, Zadar, Croatia, July 17 <sup>th</sup> -21 <sup>st</sup> 2018.
Ad hoc reviewer	European Journal of Personality; Personality Science; Journal of Personality and Social Psychology; Journal of Research in Personality; Journal of Personality; Personality and Individual Differences, Journal of Personality Disorders; Knowledge-Based Systems; Behavior Research Methods; Social Psychological and Personality Science; PloS ONE; European Journal of Psychological Assessment; Health Psychology and Behavioral Medicine; TPM (Testing, Psychometrics, Methodology in Applied Psychology); GIP - Giornale Italiano di Psicologia (Italian Journal of Psychology), Psicologia Sociale, PeerJ, BMC Psychiatry, BMC Psychology, Psychiatry Research, Assessment; Journal of Personality Assessment; Journal of Affective Disorders; International Journal of Obesity; Multivariate Behavioral Research; Journal of Behavioral Medicine; British Journal of Social Psychology; Psychological Medicine; PsyCh Journal; Journal of Counseling Psychology, International Journal of Psychology, Journal of Open Science Software (JOSS); Identity; Scientific Reports; European Journal of Social Psychology, Advances in Methods and Practices in Psychological Science, Cognitive Therapy and Research, Psychological Methods; Personality and Social Psychology Bulletin.

## PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

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Member of The Personality Consortium on Research in Idiographics and Nomothetics (PECORINO) - <https://pecorinoconsortium.wixsite.com/pecorino>

Collaborator of the **PsychoSystems group** (<http://psychosystems.org>)

Member of the **Open Science Collaboration for the Reproducibility Project: Psychology** (<https://osf.io/ezcuj/wiki/home/>) and co-author of the “Reproducibility Project: Psychology”, which was ranked #8 of Top 100 Stories of 2015 by Discover Magazine, #6 by Science News, #5 in Altmetric100, Nature Magazine’s Top Science Stories of 2015, and runner-up for Breakthrough of the Year by Science Magazine

Member of the **International Situations Project** (<http://www.rap.ucr.edu/>)

Member of **UniData**, University of Milan-Bicocca. <http://www.unidata.unimib.it>

Member of the **PSYCHOSCOPE** group (Psychometrics of Social Cognition and Personality, <http://psychoscope.psico.unimib.it>)

Member of the **Experimental Clinical and Personality Psychology Lab (ECLIPPS)**; <http://eclipps.psico.unimib.it/>).

Member of the Interdisciplinary Research in Resilience and Cognition Laboratory (InterRRaCt), Queen’s University Belfast, [www.interractlab.co.uk](http://www.interractlab.co.uk)

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#### MEMBERSHIP OF SCIENTIFIC SOCIETIES

Since September 2024. Executive Committee member of the European Consortium of Psychological Science (ECPS) – delegate for the European Association of Personality Psychology.

Since August 2024: **President Elect** of the European Association for Personality Psychology and member of the Executive Committee (<https://eapp.org/organization/executive-committee/>).

August 2020-August 2024: **Treasurer** of the European Association for Personality Psychology and member of the Executive Committee (<https://eapp.org/organization/executive-committee/>).

Since 2024, member of the scientific committee of the interdepartmental center BiCapP, <https://www.bicapp.it/it/afferenti/>

Other:

- Associazione Italiana di Psicologia - sezione di Psicologia Sperimentale, <http://www.aipass.org/psicologia-sperimentale>
- Psychometric Society, <https://www.psychometricsociety.org/>
- Member of the Complex Systems Society (<https://cssociety.org>)
- European Association of Psychological Assessment (<https://www.eapa.science/>)

**OTHER RESEARCH EXPERIENCE**

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July 2022	Member of the organizing committee of the Smart Psychology Summer School, Como Lake, Villa del Grumello, July 4-8, 2022, together with Emanuele Preti, Marco Perugini, and Juliette Richetin.
Dec 2013	Participated to the Two-day scientific event for the 25th anniversary of the Leuven Statistics Research Centre (Lstat), University KU Leuven, Leuven, Belgium, Dicembre 13-14 2013.
Dec 2013	Participated to the 23° Interuniversity graduate school Of Psychometrics and Sociometrics (IOPS) winter conference. University KU Leuven, Leuven, Belgium, Dec 12-13 2013.

## PUBLICATIONS

(\* Corresponding author, main author or declaration of equal contribution, last author)

### PAPERS

- 74 Lazzari, G., Costantini, G., La Rocca, S., Massironi, A., Cattaneo, L., Penhune, V., Lega, C. (in press). Topography of functional organization of beat perception in human premotor cortex: causal evidence from a Transcranial Magnetic Stimulation (TMS) study. *Human Brain Mapping*
- 73 Fatfouta, R., Leniarska, M., Costantini, G., Galkina, A., Rogoza, R., Di Pierro, R. (in press). Untangling the many facets of narcissism: A network approach to agentic, antagonistic, communal, and neurotic facets across gender. *European Journal of Psychological Assessment*. <https://doi.org/10.1027/1015-5759/a000897>
- 72 Briganti, G., Scutari, M., Epskamp, S., Borsboom, D., Hoekstra, R.H.A., Golino, H.F., Christensen, A.P., Morvan, Y., Ebrahimi, O.V., **Costantini, G.**, Heeren, A., van Bork, R., de Ron, J., Bringmann, L.F., Huth, K., Haslbeck, J.M.B., Isvoranu, A.-M., Marsman, M., Blanken, T., Gilbert, A., Henry, T.R., Fried, E.I., McNally, R.J. (2024). Network analysis: an overview for mental health research. *International Journal Of Modern Pharmaceutical Research (IJMPR)*
- 71 Kirkland, K., Van Lange, P., Groenz, D., ... **Costantini, G.**, ...Bastian B. (2024). High economic inequality is linked to greater moralization. *PNAS Nexus*. <https://doi.org/10.1093/pnasnexus/pgae221>
- 70 Ceppi, L., Di Pierro, R., Romano, D., **Costantini, G\*** (in press), Bio-Psycho-Social Well-Being of Nursing Home Residents During the COVID-19 Pandemic: A Three-Year Longitudinal Study. *Psychology and Aging*.
- 69 Baranski, E., Gardiner, G., Shaman, N., Shagen, J., Lee, D., Members of the International Situations Project, & Funder, D. (2024). Personality and Religiosity in Context: Exploring Variations Across Countries and Religious Affiliations. *Journal of Research in Personality*.
- 68 Di Natale, A. F., Repetto, C., Costantini, G., Riva, G., Bricolo, E., & Villani, D. (2024). Learning in the Metaverse: Are University Students Willing to Learn in Immersive Virtual Reality? *Cyberpsychology, Behavior, and Social Networking*, 27(1), 28-36.
- 67 Carta, G., Costantini, G., Garzonio, S., & Romano, D. (2023). Investigation of the relevant factors in the complexity of chronic low back pain patients with a physiotherapy prescription. A network analysis approach, comparing chronic-pain free individuals and chronic patients. *American Journal of Physical Medicine & Rehabilitation* 102(7), 571-576.
- 66 Papageorgiou, K., Denovan, A., Dagnall, N., Hill-Artamonova, E., Foteini, M.G., Papageorgiou, Sofia., Plouffe, R., Kowalski, C.M., Saklofske, D., Kyriazos, T., Stalikas, A., **Costantini, G.\*** (2023), Grandiose Narcissism Indirectly Associates with Lower Psychopathology Across Five Countries. *Journal of Psychiatric Research* 167, pp. 78-85.
- 65 Franssens, R. **Costantini, G.**, Kaurin, A., De Clerq, B. (in press). A Longitudinal Network of Borderline-Related Trait Vulnerabilities from Childhood to Adolescence. *Research on Child and Adolescent Psychopathology*.

- 64 Gilardone, G., Viganò, M., Costantini, G., Monti, A., Corbo, M., Cecchetto, C., Papagno, C. (2023). The role of verbal short-term memory in complex sentence comprehension: An observational study on aphasia. *International Journal of Language & Communication Disorders* 58(4), p. 1182-1190. <https://doi.org/10.1111/1460-6984.12851>
- 63 Romano, D., **Costantini, G.**, Richetin, J., Perugini, M. (2023). The HEXACO Adjective Scales (HAS) and their psychometric properties. *Assessment*, 30(8), pp. 2510-2532
- 62 Christodoulou, A., Karakela, M., **Costantini, G.**, Michaelides, M. P. (2023). A network analysis approach on the Psychological Flexibility/ Inflexibility model. *Behavior Therapy* 54(5), pp. 719-733
- 61 Gardiner, G., Lee, D., Baranski, E., **Members of the International Situations Project**, Funder, D. (2023). The economic well-being of nations is associated with positive daily situational experiences. *Current Research in Ecological and Social Psychology*. <https://doi.org/10.1016/j.cresp.2023.100088>.
- 60 Kirkland, K., Van Lange, P. A. M., Van Doesum, N. J., Acevedo-Triana, C., Amiot, C. E., Ausmees, L., Baguma, P., Barry, O., Becker, M., Bilewicz, M., Boonyasiriwat, W., Castelain, T., **Costantini, G.**, Dimdins, G., Espinosa, A., Finchilescu, G., Fischer, R., Friese, M., Gómez, Á., ... Bastian, B. (2022). Social mindfulness predicts concern for nature and immigrants across 36 nations. *Scientific Reports*, 12(1), 22102. <https://doi.org/10.1038/s41598-022-25538-y>
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#### NATIONAL PUBLICATIONS

Ferla, L., Gazzola, E., **Costantini, G.**, Marzocchi, G.M. (2024), Ragazzi ingestibili? Interventi psico-educativi per migliorare il clima della classe. *DIS - Esperienze* 5(2), 111-128.  
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#### PHD THESIS

\***Costantini, G.** (2015). Network analysis: a new perspective on personality psychology. Tesi di Dottorato. University of Milan-Bicocca.

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### CONFERENCE PRESENTATIONS

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#### ORGANIZED SYMPOSIA

Organizer of the symposium “Honesty: conceptualization, assessment, prediction, and processes” accepted for the *21th European Conference of Personality*, August 6<sup>th</sup> – 8<sup>th</sup> 2024, Humboldt University of Berlin.

In which I am author of the paper: Galkina, A., Amenta, S., Di Masi, A., Zarbo, C., Perugini, M., **Costantini, G.\*** (2022), The motivational core of honesty.

“Replicability and Reproducibility in Psychology: Issues and Best Practices” – Proposed by: Esther Maassen, Anton Olsson-Collentine, Andrea Stoevenbelt, Olmo van den Akker, **Giulio Costantini**, at XXVII National Congress of the Italian Association of Psychology (AIP) - Experimental, Lecce, September 8-10, 2021.

In which I presented a talk entitled: “Goals of HEXACO traits: A systematic procedure for developing a taxonomy and an assessment”, and authored by Costantini, G., Gnisci, A., Sergi, I., Mottola, F., Perugini, M.

## TALKS

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\***Costantini, G.**, Galkina A., Amenta, S., Di Masi, A., Zarbo, C., Perugini, M. (2024), *Unraveling the motivational dynamics of honesty*. Paper part of the symposium “Advances in the measurement of Morality”, organizer Jessie Sun, Feb. 9, 2024, 2024 annual convention of the Society for Personality and Social Psychology (SPSP), San Diego, CA, USA.

Galkina, A., Amenta, S., Zarbo, C., Perugini, M., **Costantini, G.\*** (2022), Exploring the motivational core of honesty as a personality trait. 30<sup>o</sup> Congresso dell’ Associazione Italiana di Psicologia, Padova, September 27-30, 2022.

\***Costantini, G.**, Gnisci, A., Sergi, I., Mottola, F., Perugini, M. (2022), Goals of HEXACO personality traits. Paper presented at the 20<sup>th</sup> European Conference on Personality, July 12<sup>th</sup>-15<sup>th</sup>, 2022, Universidad Europea, Madrid

\***Costantini, G.**, Di Sarno, M., Preti, E., Richetin, J., Perugini, M. (2021), Personality in a naturally occurring strong situation: Unique effects of HEXACO traits on COVID-19 mitigation. Paper presented at the Neur-Covid-19 session of the Annual Meeting of the Milan Center for Neuroscience (Neuromi2021), Online, 09/10/2021.

\***Costantini, G.**, Alì, P.A., Di Pierro, R., Richetin, J., Preti, E., Epskamp, S. (2020). *Multilevel network analysis in psicopatologia: uno studio delle dinamiche del Borderline Personality Disorder*. AIP Sezione Sperimentale, Virtual Edition, 2020, September 2-4. Symposium “Nuove prospettive di ricerca all'interno della psicomatria: il ruolo del Data Mining per l'analisi di dati complessi e strutturati”, organizer: Antonio Calcagni.

\***Costantini, G.**, Alì, P.A., Di Pierro, R., Richetin, J., Preti, E., Epskamp, S. (2019). *The dynamics of Borderline Personality Disorder*. Conference of Complex Systems 2019, September 30- October 4, Nanyang Technological University, Singapore. Satellite symposium of the Psychosystems Group: Complexities of Adverse Behaviors & Mental Health (<http://complexsystems.nl/ccs2019/>).

\***Costantini, G.** (2019), Towards disentangling correspondence and emergence. International Convention of Psychological Science (ICPS) 2019, Symposium *Interdisciplinary Psychological Networks: Forming and Evaluating Network Theory Across Fields*, Chair: Sacha Epskamp. Paris, France, 7-9 March 2019.

\***Costantini, G.**, (2018). Psychological dynamics in different classes of individuals. Conference of Complex Systems 2018, September 23-28, Thessaloniki, Greece. Satellite symposium of the Psychosystems Group: Understanding psychological phenomena as complex systems (<http://psychosystems.org/psychosystems-CCS2018-satellite>).



\***Costantini G.**, Epskamp, S. (2017), The Fused Graphical Lasso for computing psychological networks. Presented at the International Meeting of the Psychometric Society (IMPS) 2017, Zurich, Switzerland, July 17-21 2017.

\***Costantini G.** (2017), Personality traits as networks. Short talk presented at the school "Complex Networks: theory, methods and applications III" Lake Como School, Como, 15-19 Maggio 2017.

\***Costantini G.**, Perugini M. (2016). *Il network della coscienziosità*. XXII congresso Dell'Associazione Italiana di Psicologia (AIP) – sezione di Psicologia Sperimentale, Università LUMSA, Roma, 20-22 Settembre 2016.

\***Costantini G.**, Perugini M. (2016). *The network of conscientiousness*. Paper presented at the 18<sup>th</sup> European Conference on Personality, July 19<sup>th</sup>-23<sup>th</sup>, West University of Timisoara, Romania.

Sprugnoli, G., Rossi, S., Bricolo, E, **Constantini, G.**, Salvi, C., Musaeus, C., Liew, S., Rossi, A., Santarnecchi, E. (2015). *Neuromodulation of night processes by means of non-invasive brain stimulations: A tACS and tRNS study*. Talk presented at "XXIII Congresso Nazionale della Società Italiana di Psicofisiologia" (XXIII National Congress of the Italian Psychophysiology society), Lucca, Italy, November 19<sup>th</sup>-21<sup>st</sup> 2015.

\***Costantini, G.**, & Perugini, M. (2014), Novel developments in network analysis for personality research. Paper presented at the 17<sup>th</sup> European Conference on Personality, July 15<sup>th</sup>-19<sup>th</sup>, University of Lausanne, Switzerland.

Perugini M., Richetin J., Zogmaister C. & **Costantini G.** (2010). *Development of an IAT-self Conscientiousness: Preliminary results*, presentation held at the 15<sup>th</sup> European Conference on Personality, July 20<sup>th</sup>-24<sup>th</sup>, Brno, Czech Republic.

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#### INVITED TALKS AND SEMINARS

**Costantini, G.**, *An introduction to psychometric network analysis with applications to personality psychology*. April 29<sup>th</sup> 2025, Scuola Alti Studi IMT Lucca. Organizer: prof. Luca Cecchetti

**Costantini, G.** *Psychometric network analysis, a novel approach to psychological phenomena*. Invited seminar for the 19<sup>th</sup> anniversary of the University Centre For Statistics and Biomedical Sciences (CUSBS), San Raffaele University, Milan. Event entitled: How do advanced statistical methods enhance our knowledge of modern psychological and biomedical data? Organizers: Clelia di Serio e Chiara Brombin. January 29<sup>th</sup> 2024.

**Costantini, G.**, *Honest for the good reason, The impact of goals and motives on honesty*. Invited talk at the 2022 Summer Honesty Project Conference, August 12-13, 2022, Winston-Salem, NC, USA.

**Costantini, G.**, Zambelli, M., *Network analysis*. As part of the international workshops: New perspectives in psychological methods. May 6<sup>th</sup>, 2022. Scientific director: Margherita Lanz, Università Cattolica del Sacro Cuore.

**Costantini, G.**, Romano, D., *Un'introduzione alla network analysis applicata alla psicologia della personalità* (an introduction to network analysis applied to personality psychology). As part of the FORME workshop program. May 8<sup>th</sup>, 2020. Scientific director: Margherita Lanz, Università Cattolica del Sacro Cuore.

**Costantini, G.** & Perugini, M., Crash course on Power Analysis. PhD seminar, Department of Psychology and Cognitive Science, University of Trento. Scientific coordinator: Maria Paola Paladino. January 25<sup>th</sup>, 2019. Duration: 3 hours (Perugini) + 2 hours (Costantini)

**Costantini, G.** (2019), "A Tutorial on Network Analysis with Psychological Data" and "Network analysis in personality psychology". Invited Seminars at the Psychology Department of the University of Cyprus. Chair: prof. Michalis Michaelides. 14/02/2019.

**\*Costantini, G.**, Benini, E. (2018), The Network of Personality. InteRRaCt Lab - Queen University of Belfast, October 4-5 2018, Belfast, UK. Organizer: Kostas Papageorgiou.

**Costantini, G.**, Pancani, L., Perugini, M. (2018), *Towards disentangling correspondence and emergence: The case of conscientiousness*. Invited presentation to the Expert Meeting "Conceptualizing and assessing personality: New approaches to fundamental questions" organized by the European Association of Personality Psychology (EAPP) and the European Association of Psychological Assessment (EAPA), organizers: René Mõttus, David Condon, Dustin Wood. September 6<sup>th</sup>-8<sup>th</sup>, University of Edinburgh, UK.

Perugini, M., **Costantini, G.** (2015), *The rocky road from traits to mechanisms (and vice versa)*. Presentation held at the EAPP Expert Meeting on "Integrating Personality Structure and Personality Processes", Annweiler am Trifels, Germany, July 26<sup>th</sup>-29<sup>th</sup> 2015

**\*Costantini G.**, & Perugini M. (2013) Generalization of clustering coefficient to signed correlation networks. PML Talk, University of Amsterdam, December 2<sup>nd</sup> 2013

## POSTERS

Limonta, G., **Costantini, G.\*** (2025). *Towards a new scientific utopia: A blockchain-based framework to support open science in psychology*. Fourth national congress of the Italian Reproducibility Network (ITRN), University of Milan-Bicocca and Catholic University of Milan, February 14-15 2025.

Zambelli, M., Tagliabue, S., **Costantini, G.\*** Applications of the network psychometric framework to measurement burst designs. IMPS Annual Meeting, July 11-15<sup>th</sup> 2022, Bologna, Italy.

Sprugnoli, G., Liew, S. L., Bricolo, E., **Costantini, G.**, Salvi, C., Museaus, C.S., Rossi, S., Rossi, A.G., Pascual-Leone, A., Santarnecchi, E. (2017). Going beyond the Eureka moment: enhancement of insightful solutions by means of tACS and tRNS. Poster presented at the 2<sup>nd</sup> International Brain Stimulation Conference, March 5<sup>th</sup>-8<sup>th</sup> 2017, Barcelona, Spain.

Published abstract: Sprugnoli, G., Liew, S. L., Bricolo, E., **Costantini, G.**, Salvi, C., Museaus, C.S., Rossi, S., Rossi, A.G., Pascual-Leone, A., Santarnecchi, E. (2017), Going beyond the Eureka moment: enhancement of insightful solutions by means of tACS and tRNS. *Brain Stimulation*, 10(2):402. <http://dx.doi.org/10.1016/j.brs.2017.01.193>

**\*Costantini, G.**, Richetin, J., Preti, E., De Panfilis, C., Perugini, M. (2016). The Fused Graphical Lasso for computing psychological networks. Poster presented at the 5<sup>th</sup> international workshop of complex networks and their applications. November 30<sup>th</sup>-December 2<sup>nd</sup> 2016, Milan (MI), Italy.

Richetin J., Preti E., **Costantini G.** (2016). *An alternative look at Borderline Personality Disorder through Network Analysis*. Poster presented at the 18th European Conference on Personality, July 19<sup>th</sup>-23<sup>th</sup>, West University of Timisoara, Romania.

Preti E., Richetin J., **Costantini G.** (2016). *Implicit and explicit anger and Borderline Personality Disorder traits*. Poster presented at the 18th European Conference on Personality, July 19<sup>th</sup>-23<sup>th</sup>, West University of Timisoara, Romania.

**\*Costantini, G.**, Richetin, J., Preti, E., Suttora, C. (2015). *An alternative look at borderline personality disorder through network analysis*. Talk presented at the Symposium "Advances in understanding social cognition and social behavior in borderline personality", 14<sup>th</sup> Congress of the International Society for the Study of Personality Disorders (ISSPD XIV), October 13<sup>th</sup> – 16<sup>th</sup> 2015, Montreal, Canada. Presenter: Juliette Richetin.

**\*Costantini G.**, & Perugini M., (2012, July). *Network analysis and the structure of personality: A map of Conscientiousness*. Poster presented at the 16<sup>th</sup> European Conference on Personality, July 10<sup>th</sup> – 14<sup>th</sup>, University of Trieste (TS), Italy.

Richetin J., **Costantini G.**, Perugini M., & Schönbrodt F., (2012). *Is a More Robust IAT Score Possible?* Poster presented at the 16<sup>th</sup> European Conference on Personality, July 10<sup>th</sup>-14<sup>th</sup>, Trieste, Italy.

D'Addario M., Bonomi M., **Costantini G.** & Steca P. (2010). *Emotions and mind reading in the Ultimatum Game Paradigm*. Poster presented at the Annual Meeting of Society for Judgment and Decision Making, November 19<sup>th</sup>-22<sup>nd</sup>, St. Louis, MO, U.S.A.

D'Addario M., Bonomi M., **Costantini G.** & Steca P. (2010). *Emozioni e lettura delle intenzioni altrui nel paradigma dell'Ultimatum Game*. Poster presented at the XVI national congress of the Italian Psychology Association (AIP), September 2<sup>nd</sup>-4<sup>th</sup>, Bologna (BO), Italy.

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#### DEPARTMENTAL EVENTS

**\*Costantini, G.**, Perugini, M. (2017). New developments in network analysis for personality research. Research Day of the Department of Psychology, University of Milano-Bicocca, September 18<sup>th</sup> 2017.

**\*Costantini, G.**, Perugini, M. (2016). *The Network of Conscientiousness*. Poster presented at the "Poster Half Day", University of Milano-Bicocca, September 29<sup>th</sup> 2016.

**\*Costantini, G.**, Richetin, J., Perugini, M. (2015). *Combining network analysis, indirect measurement, and a facets approach to elucidate mechanisms of conscientiousness*. Poster presented at the "Poster Half Day", University of Milano-Bicocca, October 1<sup>st</sup> 2015.

**\*Costantini G.**, & Perugini M. (2014). *Novel Developments in Network Analysis for Personality Research*, poster presented at the "Poster Half Day", University of Milano-Bicocca, September 25<sup>th</sup> 2014.

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#### R PACKAGES

*EstimateGroupNetwork* **\*Costantini, G.**, Epskamp, S., *EstimateGroupNetwork: Perform the Joint Graphical Lasso and Selects Tuning Parameters*. <https://cran.r-project.org/web/packages/EstimateGroupNetwork>  
 This package allows estimating Gaussian Graphical Models on independent groups or classes of observations (e.g., patients and controls) using the Joint Graphical Lasso method (Danaher, 2012). Several options for the automatic selection of tuning parameters are implemented, including k-fold cross-validation and selection according to information criteria.

<i>IATscores</i>	<p><b>*Costantini, G.</b> <i>IATscores: Implicit Association Test scores using robust statistics.</i> <a href="http://cran.r-project.org/web/packages/IATscores">http://cran.r-project.org/web/packages/IATscores</a></p> <p>This package allows scoring the Implicit Association Test using several methods, including d-scores (described in Greenwald, Nosek &amp; Banaji, 2003) and methods based on robust statistics (described in Richetin, Costantini, Perugini, &amp; Schönbrodt, 2015).</p>
<i>safeguardpower</i>	<p><b>*Costantini, G.,</b> Perugini, M., Gallucci, M., <i>safeguardpower: A package for safeguard power analysis</i>, available on GitHub.  <a href="https://github.com/GiulioCostantini/safeguardpower">https://github.com/GiulioCostantini/safeguardpower</a></p> <p>This package allows performing safeguard power analysis in simple settings (as described in Perugini, Gallucci, &amp; <b>Costantini</b>, 2014).</p>
<i>qgraph</i>	<p>Epskamp, S., <b>Costantini, G.</b>, Haslbeck, J., Cramer, A.O.J., Waldorp, L.J., Schmittmann V.D., Borsboom, D. <i>qgraph: Graph plotting methods, psychometric data visualization and graphical model estimation.</i>  <a href="http://cran.r-project.org/web/packages/qgraph">http://cran.r-project.org/web/packages/qgraph</a></p> <p>This package includes a variety of functions for computing, analyzing, and visualizing networks. I implemented functions for computing indices of centrality (Freeman, 1979), clustering coefficients for signed and unsigned networks (Costantini &amp; Perugini, 2012), transitivity, average path length, and small-worldness (Humphries &amp; Gurney, 2008), plus miscellaneous functions for visualization.</p>

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### Service for the Psychology Department of the University of Milan-Bicocca

Since AY 2024-25	President of the international MSc course Applied Experimental Psychological Sciences ( <a href="https://www.unimib.it/graduate/applied-experimental-psychological-sciences">https://www.unimib.it/graduate/applied-experimental-psychological-sciences</a> ).
AY 2018-19	<p>Member of the committees for selecting applicants to several BA and MSc courses</p> <ul style="list-style-type: none"> <li>- Department's MSc courses, AY 2020-21</li> <li>- MSc Social, Economic and Decision Making Psychology (PSED), AY 2019-20, 2020-21</li> <li>- MSc Applied Experimental Psychological Sciences (AEPS), AY 2019-20, 2020-21, 2021-22, 2023-24</li> <li>- BA Psychological Sciences and Techniques (STP) –AY 2019-20, 2020-21, 2021-22, 2023-24, 2024-25, Preliminary selection of worthy ("meritevoli") students.</li> <li>- BA Psycho-social Sciences of Communication (SPC) – AY 2020-21 and 2024-25, Preliminary selection of worthy ("meritevoli") students.</li> <li>- BA Psychological Sciences and Techniques (STP) – AY 2018-19 and AY 2019-20</li> </ul>

AY 2019-20 AY 2020-21 AY 2021-22 AY 2022-23 AY 2022-24	Didactic lab coordinator for the MSc course in Applied Experimental Psychological Science (AEPS)
AY 2018-19	Quality assurer for the MSc course in Applied Experimental Psychological Science (AEPS)
AY 2021-22	Member of the committee selecting post-doc applicants for the Psychology Department.
AY 2018-19 AA 2024-25	Member of the committee selecting PhD applicants for the PhD program in Psychology, Linguistic and Cognitive Neuroscience – Curriculum Mind, Brain, and Behavior
Since 2018	Member of the PhD program committee in Psychology, Linguistics and Cognitive Neuroscience ( <a href="https://www.unimib.it/node/12489">https://www.unimib.it/node/12489</a> )
AY 2019-20 AY 2020-21 AY 2021-22 AY 2022-23 AY 2023-24 AY 2024-25	Member of the committee for selecting teaching assistants through public calls, for the Psychology department's MSc degrees.
AY 2023-24	Member of the Erasmus committee of the Psychology Department.