

Stefano Guidi, PhD



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BIOGRAPHICAL INFORMATION

Date of birth: 17/06/1973.

Place of birth: Firenze, Italy.

Citizenship: Italian.

EDUCATION

- 2005 – 2009. University of Siena.
Graduate school of Cognitive Sciences. PhD granted in April, 2009. Dissertation title: “Framing the frame: goodness-of-fit within a rectangular frame and the aesthetic of visual composition”.
- 2007. University La Sapienza, Roma.
Introductory course on R, statistical analysis programming language.
- 2006-2007. University of California, Berkeley.
Visiting research student in *Palmer Visual Perception Lab*, Department of Psychology. Supervisor: Stephen E. Palmer, PhD.
- 2005. University of Bologna, Psychology department.
International Summer School “Neural Net-works: perception, action and embodied knowledge”.
- 2004 – 2005. University of Siena.
Master in Cognitive Sciences.
- 1996 – 2003. University of Siena.
Degree in Communication Sciences. Thesis in Cognitive Psychology, title: “*Il completamento amodale nella percezione visiva. Analisi teoriche e sperimentali sul ruolo di fattori locali e globali nel completamento*” (“*Amodal completion in visual perception. A study on the role of local and global factors in completion processes*”).
- 1992 – 1996. University of Firenze.
Attended and completed the first three years of the Degree in Telecommunications Engineering.

ACADEMIC EXPERIENCES

- 2023 – today. University of Siena, Department of Social, Political and Cognitive Sciences. Associate professor in Social Psychology (M/PSI-05).
- 2021 – 2022. Kish International Campus, University of Tehran. PhD program in Industrial Design. Lecturer in the course “Scientific development of Design”.
- 2020 – 2023. University of Siena, Department of Social, Political and Cognitive Sciences. Senior researcher in Social Psychology.
- 2013-2020. International Telematic University UNINETTUNO. Roma. Professor of Data Analysis. Faculty of Psychology
- 2012-2013. Scuola IaD. University of Rome, Tor Vergata. Temporary professorship of Ergonomics. Master in Teoria e Design dei Nuovi Media. (Master in Theory and design of new media).
- 2009-2012 University of Siena. Communication Sciences Department. Post-doctoral research fellowship. Research areas: visual perception, cognitive psychology, cognitive ergonomics, psychology of labour.
- 2010-11. IULINE – Italian University Line. Tutorship. Master online (post-graduate – I level) “Ambienti di apprendimento per la matematica: il tutor.” (“Learning environments for mathematics: role and competences of tutors”)
- 2010. University of Siena. CISCL. (Inter-departmental Center for Language and Cognitive Studies). Workshop on “Statistics for Psycholinguistics”
- 2009-2010. University of Siena. Communication Sciences Department. Temporary Professorship of Cognitive Psychology. Degree (Corso di Laurea) in Communication Sciences.
- 2008-2009. Consorzio Edugov – University of Sassari, Sardegna. Teacher of “Psychological aspects” within the post-graduate interaction design course *Project INDEX* (Interaction Design Experience).
- 2008. International Telematic University UNINETTUNO. Roma. Tutorship of Multivariate Analysis.
- 2007 – 2008. University of Siena. Communication Sciences Department. Workshops on “Statistical data analysis methods and software tools”.

PROFESSIONAL EXPERIENCES

- 2018-2019. AOU-Careggi, Centre for Clinical Risk Management and Patient Safety. Researcher and data analysis.
- 2015-2018. Azienda Sanitaria di Firenze, Out-patient Cardiology Clinic Nuovo Ospedale di Borgo San Lorenzo. Data analysis, research and support to innovative projects development.
- 2013-2020. Data science, human factors and validation consultant. DeepBlue srl, Roma.
- 2013-2018. Health & Safety, UX and ergonomics senior researcher and consultant. Data analysis. BSD srl.
- 2010-2012. Senior researcher for BSD srl. Psychosocial and work-related stress risk assessments following restructuring in banks.
- 2011. Italian translation of T. Kieselbach & C.E. Triomphe (eds) "La salute nelle ristrutturazioni (HIRES). Raccomandazioni, iniziative nazionale e strategie politiche nell'Unione Europea.". ISBN 978-961-92919-5-5 (original title: Health in Restructuring (HIRES)).
- 2008-2009. Junior researcher for BSD srl. Psychosocial and work-related stress risk assessments following restructuring in banks. Work climate evaluation in a mid sized bank.
- 2002-2009. Freelance web designer, SEO and usability consultant.
- 2002-2007. HotelGolf.com. Co-founder. Design, implementation, ergonomic assessment and SEO.
- 2005. Design and copywriting of the road safety campaign for Comune di Firenze.
- 2004. Design, implementation and ergonomic assessment of the multimedia learning system AGILE, for preventing risks in construction sites using virtual reality. Clients: University of Siena, ISPESL.
- 2001-2003. Media in Business srl., Firenze: Web Designer, Web Application Software Developer, Project Manager.
- 2000. Blue, Art & Communication srl., Firenze: Web Designer.

LANGUAGES

English: fluent, written and spoken.
French: basic knowledge.

COMPUTER SKILLS

- **Operative systems:** Ms-DOS, Ms Windows 98-2000-Xp, MacOS X, Linux.
- **Applications:** Adobe CS (PhotoShop, Illustrator, Flash, Dreamweaver, Fireworks, Premiere), MS Office, Macromedia Director, Microsoft SQL server, Microsoft IIS, MySql.
- **Programming languages:** Visual Basic for Applications (VBA), HTML/DHTML/XHTML, XML e VRML, CSS, ASP, SQL, JavaScript, Flash ActionScript, Lingo and 3d Lingo, R, PHP, Python.
- **Psychophysical and experimental psychology software:** PsychoPy, E-Prime, Presentation, OpenSesame, SuperLab.
- **Statistical analysis software:** R (advanced, in-depth knowledge, of base R and of many different packages), SPSS, Python (pandas, matplotlib, numpy).
- **General knowledge level:** Excellent.

DATA ANALYSIS SKILLS

Good and theoretical and applied knowledge of main statistical methods for data analysis, descriptive and inferential statistics, parametric and non-parametric techniques, multiple linear and logistic regression, ANOVA, mixed-effects models, time series analysis, factor analysis, structural equation modelling, static and interactive data visualization, mapping, data wrangling, machine learning, basic of neural networks, social network analysis. Strong R programming skills.

Statistical analysis software:

- R: excellent knowledge. Fluent in coding and good knowledge of tidyverse packages (dplyr, tidyr, stringr, ggplot2,...) and of many others (including: stats, lme4, sjPlots, likert, time series, leaflet, psych, caret, survminer, lavaan, plotly, Rkeras,...). Fluent in base graphics and ggplot2. Good knowledge of Shiny app development. Good knowledge of R markdown.
- SPSS: excellent knowledge.
- Python: intermediate knowledge of the Pandas modules and other data.
- STATA: basic knowledge.

SELECTED PUBLICATIONS

- Parlangeli, O., Curro', F., Palmitesta, P., & Guidi, S. (2023). Moral judgements of errors by AI systems and humans in civil and criminal law. *Behaviour & Information Technology*, 1–11. <https://doi.org/10.1080/0144929X.2023.2283622>
- Parlangeli, O., Palmitesta, P., Masi, L., Tittarelli, M., & Guidi, S. (2023). It's a Long Way to Neutrality. An Evaluation of Gendered Artificial Faces. In A. Marcus, E. Rosenzweig, & M. M. Soares (Eds.), *Design, User Experience, and Usability* (pp. 366–378). Springer Nature Switzerland.
- Perugia, G., Boor, L., van der Bij, L., Rikmenspoel, O., Foppen, R., & Guidi, S. (2023). Models of (Often) Ambivalent Robot Stereotypes: Content, Structure, and Predictors of Robots' Age and Gender Stereotypes. *Proceedings of the 2023 ACM/IEEE International Conference on Human-Robot Interaction*, 428–436. <https://doi.org/10.1145/3568162.3576981>
- Guidi, S. Palmitesta, P., Marchigiani, E., Bracci, M., Parlangeli, O., (2023). The perception of the utility of social media by caregivers of persons with Autistic Spectrum Disorders (ASD) during a period of home quarantine. *Interacting with Computers*. <https://doi.org/10.1093/iwc/iwad006>.
- Guidi, S., Boor, L., van der Bij, L., Foppen, R., Rikmenspoel, O., & Perugia, G. (2022). Ambivalent Stereotypes Towards Gendered Robots: The (Im)mutability of Bias Towards Female and Neutral Robots. In F. Cavallo, J.-J. Cabibihan, L. Fiorini, A. Sorrentino, H. He, X. Liu, Y. Matsumoto, & S. S. Ge (Eds.), *Social Robotics* (Vol. 13818, pp. 615–626). Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-24670-8_54
- Parlangeli, O; Palmitesta, P; Bracci, M; Marchigiani, E; Guidi, S (2022) Gender role stereotypes at work in humanoid robots. DOI: 10.1080/0144929X.2022.2150565. In *Behaviour & Information Technology*.
- Guidi, S., Palmitesta, P., Bracci, M., Marchigiani, E., Di Pomponio, I., Parlangeli, O. (2022). How many cyberbullying(s)? A non-unitary perspective for offensive online behaviours. *PLOS ONE*, 17(7) [10.1371/journal.pone.0268838].
- Guidi, S., Boor, L., van der Bij, L., Foppen, R., Rikmenspoel, O., Perugia, G. (2022). Ambivalent Stereotypes Towards Gendered Robots: The (Im)mutability of Bias Towards Female and Neutral Robots. In: , *et al.* *Social Robotics*. ICSR 2022. *Lecture Notes in Computer Science*, vol 13818. Springer, Cham. https://doi.org/10.1007/978-3-031-24670-8_54
- Parlangeli, O; Bracci, M; Marchigiani, E; Palmitesta, P; Guidi, S. (2022) She's better at this, he's better at that: gender role stereotypes in humanoid robots. DOI: 10.1145/3552327.3552360. In *ECCE '22: Proceedings of the 33rd European Conference on Cognitive Ergonomics* - ISBN: 9781450398084 (october 4-7. 2022)
- Perugia, G., Guidi, S., Bichi, M., Parlangelli, O. (2022). The Shape of Our Bias: Perceived Age and Gender in the Humanoid Robots of the ABOT Database. In *Proceedings of the 17th ACM/IEEE International Conference on Human-Robot Interaction (HRI) – 2022*.
- Parlangeli, O., Palmitesta, P., Marchigiani, E., Bracci, M., Di Pomponio, I., Guidi, S. (2022) University Teachers During the First Lockdown Due to SARS-CoV-2 in Italy: Stress, Issues and Perceptions of Misconduct. *Sci Eng Ethics*. <https://doi.org/10.1007/s11948-022-00362-9>
- Bracci M, Guidi S Masini M, P and Parlangeli O (2021) Perception of Faces and Elaboration of Gender and Victim/Aggressor Stereotypes: The Influence of Internet Use and of the Perceiver's Personality. *Front. Psychol.* 12:561480. doi: 10.3389/fpsyg.2021.561480
- Guidi, S., Marchigiani, E., Roncato, S. & Parlangeli, O. (2021) Human beings and robots: are there any differences in the attribution of punishments for the same crimes?, *Behaviour & Information Technology*, DOI: [10.1080/0144929X.2021.1905879](https://doi.org/10.1080/0144929X.2021.1905879)
- Parovel, G., Guidi, S. (2020). Speed overestimation of the moving away object in the intentional reaction causal effect. *i-Perception*, 11(6), 1–19. <https://doi.org/10.1177/2041669520980019>
- Parlangeli O., Marchigiani E., Guidi S., Bracci M., Andreadis A., Zambon R. (2020) I Do It Because I Feel that...Moral Disengagement and Emotions in Cyberbullying and Cybervictimisation. In: Meiselwitz G. (eds) *Social Computing and Social Media. Design, Ethics, User Behavior, and Social Network Analysis. HCII 2020*. Lecture Notes in Computer Science, vol 12194. Springer, Cham
- Parlangeli O., Guidi S., Bracci M., Marchigiani E., Liston P.M. (2019) Biomedical Research, Stress and Unethical Behavior: Study of a Sample of Untenured Italian Researchers. In: Cotrim T., Serranheira F., Sousa P., Hignett S., Albolino S., Tartaglia R. (eds) *Health and Social Care Systems of the Future: Demographic Changes, Digital Age and Human Factors. HEPS 2019. Advances in Intelligent Systems and Computing*, vol 1012. Springer, Cham
- Parlangeli, O., Zucchiatti, A., Guidi, S. (2019). Prospective Memory, User Experience (UX), and Online Product Configurators, In *Proceedings of the 2019 5th International Conference on E-Business and Applications*
- Parlangeli O. et al. (2019) The Evolution of Computed Tomography (CT) and Its User Interface: A Contextual and Comparative Analysis of Some of the Most Used Solutions. In: Bagnara S., Tartaglia R., Albolino S., Alexander T., Fujita Y. (eds) *Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018)*. IEA

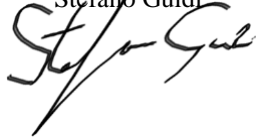
2018. *Advances in Intelligent Systems and Computing*, vol 822. Springer, Cham
- Parlangeli, O., Guidi, S., Marchigiani, E. et al. (2019). Perceptions of Work-Related Stress and Ethical Misconduct Amongst Non-tenured Researchers in Italy. *Sci Eng Ethics*. <https://doi.org/10.1007/s11948-019-00091-6>
- Parlangeli O, Bracci M, Guidi S, Marchigiani E (2018). Risk Perception and Emotions Regulation Strategies in Driving Behaviour: An Analysis of the Self-reported Data of Adolescents and Young Adults. *Int. J. Human Factors and Ergonomics*. 5(2), pp. 166-187
- Bandini, F. Guidi, S., Blaszczyk, S., et al. (2018). Complexity in internal medicine wards: a novel screening method and implications for management. *Journal of Evaluation in Clinical Practice*. 1-8. <https://doi.org/10.1111/jep.12875>
- Parovel, G., Guidi, S., Kreß, K. (2017). Different contexts change the impression of animacy. *Attention, Perception & Psychophysics*. <https://doi.org/10.3758/s13414-017-1439-x>
- Roncato S., Guidi S. Parlangeli O, Battaglini L (2016) Illusory Streaks from Corners and Their Perceptual Integration. *Front. Psychol*. 7:959. doi: 10.3389/fpsyg.2016.00959
- Magrini, A., Pelagalli, F., Pietroiusti, A., Livigni, L., Guidi, S., Moscatelli, M., Mascioli, M., D'Orsi, F., Zolla, A. Bagnara, S. (2015). La valutazione approfondita dello stress lavoro correlato in una grande azienda in cambiamento. *La Medicina del Lavoro*. 106, 4: 250-260
- Parovel, G., Guidi, S. (2015). The Psychophysics Of Comic: Effects Of Incongruity In Causality And Animacy. *Acta Psychologica*.
- Guidi, S., Palmer, S.E. (2015). The Internal Structure of a Rectangular Frame: Position, Orientation, and Direction. *Art & Perception*. 3(1): 19-52 (DOI: 10.1163/22134913-00002013)
- Parlangeli, O., Caratozzolo, C., Guidi, S., (2014). Multitasking and Mentalizing Machines: How the Workload Can Have Influence on the System Comprehension. *Engineering Psychology and Cognitive Ergonomics*. Volume 8532, 2014, pp 50-58
- Toccafondi, G., Albolino, S., Tartaglia, R., Guidi, S., Molisso, A., Venneri, F., Peris, A., Pieralli, F., Magnelli, E., Librenti, M., Morelli, M., Barach, P. (2012). The collaborative communication model for patient handover at the interface between high-acuity and low-acuity care. *BMJ Quality and Safety*. doi:10.1136/bmjqs-2012-001178
- Parlangeli, O., Guidi, S., Fiore Farina, R. (2012). Overloading disks onto a mind: Quantity effects in the attribution of mental states to technological systems. In K.M. Stanney & K.S. Hale (Eds). *Advances in Cognitive Engineering and Neuroergonomics*. CRC Press. FL (*Proceedings of the Applied Human Factors and Ergonomics Conference*, 2012, San Francisco, US).
- Bagnara, S., Guidi, S., Livigni, L. (2012) Le identità difficili nel nuovo lavoro. *ISL-Igiene e Sicurezza del Lavoro*. 16(2): 11-14
- Guidi S., Bagnara S., Fichera G. P. (2012) The HSE Indicator Tool, psychological distress and work ability. *Occupational Medicine* 62(3): 203-209
- Parlangeli O., Chiantini, T., Guidi, S. (2012) A mind in a disk: The attribution of mental states to technological systems. In *Proceedings of the annual meeting of IEA*, Recife, Brazil.
- Parlangeli O., Marchigiani, E., Guidi, S. e Mesh, L (2012) Disentangled emotions in blended learning. *Int. J. Human Factors and Ergonomics*. 1(1): 41-57
- Palmer S. E., Guidi S., (2011) Mapping the Perceptual Structure of Rectangles through Goodness-of-Fit Ratings, *Perception* 40 (12): 1428-1446
- Guidi S., Parlangeli O., Roncato S., Bettella, S, (2011) Features of the selectivity for contrast polarity in contour integration as revealed by a novel tilt illusion. *Perception* 40 (11): 1357-1375
- Parlangeli, O., Mengoni G., Guidi S. (2011) The Effect of System Usability and Multitasking Activities in Distance Learning. In (a cura di) P. Marti, A. Soro, L. Gamberini, S. Bagnara *Proceedings of the 9th ACM SIGCHI Italian Chapter International Conference on Computer-Human Interaction: Facing Complexity*
- Bagnara S., Guidi S., Livigni L., (2011) Stress e cambiamento del lavoro: le raccomandazioni di HIRE. In Valutazione del rischio stress lavoro correlato e gestione organizzativa nel settore bancario, a cura di Giancarlo Durante e Nicola de Carlo, Bancaria Editrice, 2011.
- Guidi, S., Parlangeli, O. (2008). Percezione di spazi, artefatti e ambienti. In M. Gussoni, O. Parlangeli, e F. Tosi, (eds) *Ergonomia e Progetto della Qualità Sensoriale*. Franco Angeli. Milano.
- Parlangeli, O., Bettini, F., Guidi, S., (2005) *Driving Emotions: the Design of a Car Navigation System for Anxious People*. In *Proceedings of the HCI International 2005 Las Vegas, NV*, Lawrence Erlbaum Associates, Inc (LEA), 2005.
- Guidi, S., Parlangeli, O., Roncato, S., (2005). *Does the Background Affect Amodal Completion? Evidence of a global effect*. (submitted)
- Parlangeli, O., Bracci, M., Guidi, S., Palmieri, S. (2005). La percezione del rischio nel giovane lavoratore edile: la realizzazione di un sistema formativo basato su tecniche di rappresentazione tridimensionali. In L. Lotto, R.

Rumiati, L. Savadori (a cura di) "Rischi e comunicazione dei rischi", CLEUP, Padova.

Parlangeli, O., Palmieri, S., Bracci, M., Guidi, S., Tartaglia, R., (2006), "Training for safety: virtual reality and hypermedia for construction workers education", Proceedings, IEA 2006 Conference, July 2006, Maastricht The Netherlands.

Il sottoscritto dichiara che quando contenuto in questo curriculum corrisponde a verità, ai sensi delle norme in materia di dichiarazioni sostitutive di cui agli art. 46 e seguenti del D.P.R. 445/2000

Stefano Guidi

A handwritten signature in black ink, appearing to read 'Stefano Guidi', written in a cursive style.