

PERSONAL INFORMATION

Francesco Di Nocera

📍 Department of Psychology, Sapienza university of Rome, Via dei Marsi 78 - 00185 Rome, Italy

Tel.: +39 06 4991 7596 Mobile: +39 339 329 7070

✉ dinocera@uniroma1.it

Sex Male | Date of birth February 23rd, 1971 | Nationality Italian

WORK EXPERIENCE

Summary

Francesco Di Nocera, Ph.D. is an Associate Professor at the Department of Psychology, Sapienza University of Rome where he leads the Eye-Tracking Laboratory. Prof. Di Nocera has two decades of research experience in the field of Human Factors and strong methodological / statistical expertise. Author of about one-hundred research papers published in journals, books and conference proceedings, he is also author and editor of two books on Cognitive Ergonomics published by a major Italian publishing company. An active member of the Human Factors & Ergonomics Society (and its European Chapter), he is member of the editorial board of the International Journal of Human Factors & Ergonomics, serves as reviewer for HF/E journals (e.g. Journal of Cognitive Engineering & Decision Making, Applied Ergonomics) and conferences (e.g. HFES, HFES-EC, CHI). He has been responsible for the organization of scientific meetings like the NATO workshop for HFM TG 133 "Collaborative Interfaces for Network Decision Making" and the 2017 Annual meeting of the HFES - Europe Chapter. Principal investigator / scientific coordinator for HF/E research projects funded by agencies and companies in a wide range of application domains.

Dates 2011 - Present

Name and address of employer Sapienza University of Rome

Type of business or sector University

Occupation or Position held Associate Professor (classes: Engineering Psychology; Individual and Organizational Behavior Analysis; Project Management).

Dates 2004-2011

Name and address of employer Sapienza University of Rome

Type of business or sector University

Occupation or Position held Assistant Professor (classes: Introduction to Ergonomics; Error Analysis)

Dates	2001-2003
Name and address of employer	Sapienza University of Rome
Type of business or sector	University
Occupation or Position held	Research Fellow

Dates	1999-2000
Name and address of employer	Catholic University of America
Type of business or sector	University
Occupation or Position held	Research Associate

Dates	1997-1998
Name and address of employer	Applied Psychology Unit
Type of business or sector	Italian Ministry of Defence
Occupation or Position held	Second Lieutenant

EDUCATION AND TRAINING

Dates	2010
Title of qualification awarded	Licensed Psychotherapist, Associazione di Psicologia Cognitiva, Rome, Italy

Dates	2001
Title of qualification awarded	Ph.D. in Psychology from Sapienza University of Rome, Italy

Dates	1995
Title of qualification awarded	Laurea in Work & Organizational Psychology from Sapienza University of Rome, Italy

PERSONAL SKILLS

Mother tongue	Italian
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Other Languages

- | | |
|-----------------------------|-----------|
| English | |
| • Understanding and reading | Excellent |
| • Writing | Excellent |
| • Speaking | Excellent |

GRANTS/AWARDS

- 2018-2021 - Principal Investigator for the project "Sensitivity of the spatial distribution of fixations to variations in the type of task demand"

- and its effectiveness as a trigger for adaptive automation” funded by the European Office of Aerospace Research & Development - Grant #FA9550-18-1-0203.
- 2018-2019 - Principal Investigator for the project “A cognitive-behavioral approach to cybersecurity: individual differences and schedules of reinforcement” funded by Sapienza University of Rome.
 - 2018-2019 - Principal investigator for the project “Assessment of mental workload during navigation on mobile devices of information-abundant websites through the analysis of the distribution of eye fixations” funded by Istituto Superiore delle Comunicazioni e delle Tecnologie dell’Informazione, Ministero dello Sviluppo Economico.
 - 2017-2018 - Principal investigator for the project “Assessment of mental workload during navigation of information-abundant websites through the analysis of the distribution of eye fixations” funded by Istituto Superiore delle Comunicazioni e delle Tecnologie dell’Informazione, Ministero dello Sviluppo Economico.
 - 2012-2015 - Scientific Coordinator for D2.2 “Eye-based method for assessing operator’s cognitive fatigue by non-intrusive eye-tracking techniques” and D3.5 “On the applicability and feasibility of adaptive automation”), European Commission funded project “Crew-centered Design and Operations of Ships and Ship Systems” (FP7 Programme).
 - 2008 - Principal Investigator for the project “Mental workload and Human Error during the inspection of bioimages: investigating the ocular strategies of physicians for preventing diagnostic errors” funded by the Italian Ministry of Welfare.
 - 2006-2007 - Principal Investigator for the project “Exploration strategies during the navigation of a real estate website” funded by Gabetti Properties SPA.
 - 2005-2006 - Principal Investigator for the project “Cognitive Aspects and Behavioral Effects of Transitions Between Levels Of Automation” funded by the European Office of Aerospace Research and Development. Grant #FA8655-05-1-3021.
 - 2006 - Principal Investigator for the project “The Analysis of Visual Exploration Pattern as a Method for Assessing the Driver’s Mental Workload”, FIAT Research Centre.
 - 2006 - Principal Investigator for the project “Italian Adaptation of the Italian Version of the Intranet Review Toolkit” funded by People & Business SRL.
 - 2005-2006 - Windows on Science grant from the European Office of Aerospace Research and Development.
 - 2000 - Young Investigator Award from the Italian Association of Psychology.
 - 1997-2000 - Scholarship from Sapienza University of Rome.

SELECTED PUBLICATIONS

- Maggi, P., Di Nocera, F. (accepted for publication). Sensitivity of the spatial distribution of fixations to variations in the type of task demand and its relation to visual entropy. *Frontiers in Human Neuroscience*.
- Ricciardi, O., Calvani, G., Palmero, F., Juola, J.F., Di Nocera, F. (2020). Speed reading using Spritz has a cost: limits when reading a short text. *International Journal of Human Factors and Ergonomics*, 7(2), 61-173.
- Ricciardi, O., Maggi, P., & Di Nocera, F. (2019). Boredom makes me “nervous”: Fidgeting as a strategy for contrasting the lack of variety. *International Journal of Human Factors and Ergonomics*, 6(3), 195-207.
- Sdoia, S., Di Nocera, F., Ferlazzo, F. (2019). Memory for positional movements as a component of the visuospatial working memory. *Cognitive Processing*, 20(3), 363-369.
- Di Nocera, F., Ricciardi, O., Juola, J. (2018). Rapid Serial Visual Presentation: Monotonic degradation of inferential reading comprehension as a function of speed. *International Journal of Human Factors and Ergonomics*, 5(4), 293-303.
- Di Nocera, F., Ricciardi, O., Longo, E., Mastrangelo, S., Cutini, M., Bisaglia, C. (2018). Attentional Control in Accidents Involving Agricultural Tractor Operators. *Ergonomics in Design*, 26(1), 17-23.
- Lupo, M., Ferlazzo, F., Aloise, F., Di Nocera, F., Tedesco, A.M., Cardillo, C., & Leggio, M. (2018). New protocol for dissociating visuospatial working memory ability in reaching space and in navigational space. *Behavior Research Methods*, 50(4):1602-1613.
- Di Nocera, F., Ricciardi, O., Abate, G., Bevilacqua, A. (2017). Does the catechol-O-methyltransferase (COMT) Val158Met human polymorphism influence procrastination? *Organisms. Journal of Biological Sciences*, 1(2), 27-36.
- Ricciardi, O., & Di Nocera, F. (2017). Not so fast: A reply to Benedetto et al. (2015). *Computers in Human Behavior*, 69, 381-385.
- Di Nocera, F., Capobianco, C., & Mastrangelo, S. (2016). A Simple(r) Tool for Examining Fixations. *Journal of Eye Movement Research*, 9(4):3, 1-6.
- Di Nocera, F., Ranvaud, R., & Pasquali, V. (2015). Spatial pattern of eye fixations and evidence of ultradian rhythms in aircraft pilots. *Aerospace Medicine and Human Performance*, 86(7), 647-651.
- Di Nocera, F., Ferlazzo, F. & D'Olimpio, F. (2014). Is ‘error proneness’ specific to errors? Predictive validity of the cognitive failures questionnaire. *International Journal of Human Factors and Ergonomics*, 3(2), 208–225.
- Di Nocera, F., Colazingari, S., Trabalza, A., Mamazza, L., & Bevilacqua, A. (2014). Association of TPH2 and dopamine receptor gene polymorphisms with obsessive–compulsive symptoms and perfectionism in healthy subjects. *Psychiatry Research*, 220(3), 1172–1173.
- Ferlazzo, F., Fagioli, S., Di Nocera, F., & Sdoia, S. (2008). Shifting attention across near and far spaces: Implications for the use of hands-free cell phones while driving. *Accident Analysis and Prevention*, 40(6), 1859-1864.
- Camilli, M., Nacchia, R., Terenzi, M., & Di Nocera, F. (2008). ASTEF: A Simple Tool for Examining Fixations. *Behavior Research Methods*, 40(2), 373-382.
- Ferlazzo, F., Fagioli, S., Sdoia, S., & Di Nocera, F. (2008). Goal-completion processes affect the attentional blink. *European Journal of Cognitive Psychology*, 20(4), 697-710.

- Di Nocera, F., Camilli, M., & Terenzi, M. (2007). A random glance at the flight deck: pilot's scanning strategies and the real-time assessment of mental workload. *Journal of Cognitive Engineering and Decision Making*, 1(3), 271-285.
- Ferlazzo, F., Lucido, S., Di Nocera, F., Fagioli, S., & Sdoia, S. (2007). Switching Between Goals Mediates the Attentional Blink Effect. *Experimental Psychology*, 54(2), 89-98.
- Di Nocera, F., Fabrizi, R., Terenzi, M., & Ferlazzo, F. (2006). Procedural Errors in Air Traffic Control: Effects of Traffic Density, Expertise, and Automation. *Aviation, Space & Environmental Medicine*, 77, 639-643.
- Di Nocera, F., Couyoumdjian, A. & Ferlazzo, F. (2006). Crossing the Pillars of Hercules: The Role of Spatial Frames of Reference in Error-Making. *Quarterly Journal of Experimental Psychology*, 59(1), 204-221.
- Di Nocera, F., Capponi, C., & Ferlazzo, F. (2004). Finding geometrical associations between meaningful objects in the web: a geostatistical approach. *PsychNology Journal*, 2(1), 84-98.
- Couyoumdjian, A., Di Nocera, F., & Ferlazzo, F. (2003). Functional representations of 3D space in endogenous attention shifts. *Quarterly Journal of Experimental Psychology*, 56A(1), 155-183.
- Lorenz, B., Di Nocera, F., Röttger, S., & Parasuraman, R. (2002). Automated fault-management during simulated space flight. *Aviation, Space, and Environmental Medicine*, 73, 886-897.
- Genzano, V.R., Di Nocera, F., & Ferlazzo, F. (2001). Upper/lower visual field asymmetry on a spatial relocation memory task. *NeuroReport*, 12(6), 1227-1230.
- Di Nocera, F., Ferlazzo, F., & Borghi, V. (2001). G Theory and the reliability of psychophysiological measures: a tutorial. *Psychophysiology*, 38, 796-806.
- Di Nocera, F., & Ferlazzo, F. (2000). Resampling approach to statistical inference: bootstrapping from Event Related Potential data. *Behavior Research Methods Instruments and Computers*, 32(1), 111-119.
- Ferlazzo, F., Di Nocera, F., & Di Segni, S. (1998). Inside cognitive processes: using ERPs to investigate the time course of the serial position effect in a cued recall paradigm. *General Psychology*, 1, 155-168.
- Di Nocera, F., Ferlazzo, F., & Gentilomo, A. (1996). Stabilité interindividuelle de l'effet de modulation de la composante P300 des potentiels évoqués cognitifs dans une condition de double tâche. *Psychologie Française*, 41(4), 365-374.

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Resume updated to May 4th, 2020.

Il sottoscritto Francesco Di Nocera nato a Castellammare di Stabia (NA) il 23 febbraio 1971, consapevole della responsabilità penale prevista dall'art. 76 del D.P.R. 445/2000 per le ipotesi di falsità in atti e dichiarazioni mendaci ivi indicate, dichiara che le informazioni sopra riportate sono veritiere.



Roma, 26 Aprile 2021
