

Asier Moneva

Postdoctoral Researcher

Contact information

Netherlands Institute for the
Study of Crime and Law Enforcement (NSCR)
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Current professional situation and previous position

Sep 2020 - Present	Postdoctoral Researcher Netherlands Institute for the Study of Crime and Law Enforcement (NSCR) & Center of Expertise Cyber Security, The Hague University of Applied Sciences
Oct 2017 - Jul 2020	PhD Candidate (Research Personnel in Training - FPU16/01671)
Sep 2016 - Sep 2017	Junior Researcher Cr�mina Research Centre for the Study and Prevention of Crime, Miguel Hernandez University

Education

Degrees

2017 - 2020	PhD in Criminology (Intl., Hons.)
2016 - 2017	MSc in Crime Analysis and Prevention Miguel Hernandez University
2011 - 2016	BA in Criminology University of Salamanca

Language proficiency

Spanish (native), English (C2), Dutch (B1), French (A2)

Research

My research focuses on the human factors involved in how, when, and where cybercrime occur. I rely mainly on quantitative methods and data science, and I enjoy collaborating with researchers from other disciplines as well as with practitioners and professionals. The purpose of my research is twofold: to generate knowledge to better understand cybercrime, and to find solutions to reduce it or mitigate its impact.

ORCID	0000-0002-2156-0213
Web of Science ResearcherID	AAB-3296-2020
Google Scholar user ID	SNjqpq8AAAAJ

Peer-reviewed publications

Doctoral thesis

2020 Moneva, A. *Cyber Places, Crime Patterns, and Cybercrime Prevention: An Environmental Criminology and Crime Analysis approach through Data Science*
Miguel Hernandez University

Journal articles (16)

- 2023 1. Moneva, A., & Leukfeldt, E. R. The effect of online ad campaigns on DDoS-attacks: A cross-national difference-in-differences quasi-experiment
Criminology & Public Policy, 22(4), 869-894
Impact: The findings of this paper have been discussed within Operation PowerOFF, a joint international law enforcement operation. The research has also informed an international cybercrime prevention strategy, under the InterCOPS network, led by the Cyber Offender Prevention Squad (COPS), High Tech Crime Team (THTC), of the Netherlands Police.
2. Moneva, A., & Leukfeldt, E. R. Insider Threats Among Dutch SMEs: Nature and Extent of Incidents, and Cyber Security Measures
Journal of Criminology
- 2022 3. Van de Weijer, S. G. A., & Moneva, A. Familial concentration of crime in a digital era: Criminal behavior among family members of cyber offenders
Computers in Human Behavior Reports, 8
4. Bekkers, L. M. J., Moneva, A., & Leukfeldt, E. R. Understanding cybercrime involvement: A quasi-experiment on engagement with money mule recruitment ads on Instagram
Journal of Experimental Criminology
5. Moneva, A., Leukfeldt, E. R., & Klijnsoon, W. Alerting Consciences to Reduce Cybercrime: A Quasi-experimental Design Using Warning Banners
Journal of Experimental Criminology, 19, 835-862
Impact: This paper guided the design of a national cybercrime prevention strategy, based on online ad campaigns, implemented by the Cyber Offender Prevention Squad (COPS), High Tech Crime Team (THTC), of the Netherlands Police. Five other European countries have subsequently implemented similar campaigns under the scrutiny of Europol and Interpol.
6. Moneva, A., Leukfeldt, E. R., van de Weijer, S. G. A., & Miró-Llinares, F. Repeat victimization by website defacement: An empirical test of premises from an environmental criminology perspective
Computers in Human Behavior, 126
- 2021 7. Kemp, S., Buil-Gil, D., Moneva, A., Miro-Llinares, F., & Diaz-Castano, N. Empty streets, busy Internet. A time series analysis of cybercrime and fraud trends during COVID-19
Journal of Contemporary Criminal Justice, 37(4), 480-501
- 2020 8. Buil-Gil, D., Miró-Llinares, F., Moneva, A., Kemp, S., & Díaz-Castaño, N. Cybercrime and shifts in opportunities during COVID-19: a preliminary analysis in the UK
European Societies, 23(sup1), S47-S59
Impact: This paper was included as further reading in the “Debate Pack Number CDP 2021/0064” about protecting consumers from online scams that was held in the UK House of Commons on 28 April 2021
9. Moneva, A., Miró-Llinares, F., & Hart, T. C. Hunter or prey? Exploring the situational profiles that define repeated online harassment victims and offenders
Deviant Behavior, 42(11), 1366-1381
10. Kemp, S., Miró-Llinares, F., & Moneva, A. The dark figure and the cyber fraud rise in Europe. Evidence from Spain
European Journal of Criminal Policy and Research, 26, 293-312
11. Kemp, S., & Moneva, A. Comparing correlates of offline and online fraud victimisation and impacts
InDret: Revista para el Análisis del Derecho, 20(1), 424-444
- 2019 12. Moneva, A., & Caneppele, S. 100% sure bets? Exploring the precipitation-control strategies of fixed-match informing websites and the environmental features of their networks
Crime, Law and Social Change, 74, 115-133
13. Miró-Llinares, F., & Moneva, A. What about cyberspace (and cybercrime alongside it)? A reply to Farrell and Birks “Did cybercrime cause the crime drop?”
Crime Science, 8(12), 1-5
14. Esteve, Z., Moneva, A., & Miró-Llinares, F. Can metadata be used to measure the anonymity of Twitter users? Results of a Confirmatory Factor Analysis
International e-Journal of Criminal Sciences, 13, 1-16

- 2018 15. Miró-Llinares, F., Moneva, A., & Esteve, M. Hate is in the air! But where? Introducing an algorithm to detect hate speech in digital microenvironments
Crime Science, 7(15), 1-12
 Impact: A version of this algorithm was incorporated into ModeRad, an artificial intelligence system developed for the H2020 Project PERICLES (740773) to detect violent and radical messages on Twitter.
16. Hart, T. C., & Moneva, A. Conjunctive Analysis of Case Configurations: an introduction to Configural Thinking
Revista Española de Investigación Criminológica, 16, 1-19

Book chapters (4)

- 202X 1. Moneva, A., Leukfeldt, E. R., & Romagna, M. Fieldwork Experiences Researching Cybercriminals
 In A. Diaz, C. Del-Real & L. Molnar (Eds.), *Fieldwork Experiences in Criminology and Security: Methods, Ethics, and Emotions*
- 2023 2. Hart, T. C., Moneva, A., & Esteve, M. Conjunctive Analysis of Case Configurations
 In C. Haberman & E. Groff (Eds.), *The Study of Crime and Place: A Methods Handbook* (pp. 287-297). Temple University Press
- 2021 3. Moneva, A. The Annual Conference on the Human Factor in Cybercrime: An analysis of participation in the 2018 and 2019 meetings
 In M. Weulen Kranenbarg & E. R. Leukfeldt (Eds.), *Cybercrime in context: the human factor in victimization, offending, and policing* (pp. 5-17). Springer, Cham
- 2019 4. Miró-Llinares, F., & Moneva, A. Environmental Criminology and Cybercrime: Shifting Focus from the Wine to the Bottles
 In T. J. Holt & A. Bossler (Eds.), *The Palgrave Handbook of International Cybercrime and Cyberdeviance* (pp. 491-511). Palgrave Macmillan, Cham

Technical reports (1)

- 2019 1. Rabasa Dolado, A., Miró-Llinares, F., Esteve, M., Castro-Toledo, F. J., & Moneva, A. ModeRad. Modelling and Classifying Radical Content on Twitter
Crimina Research Centre for the Study and Prevention of Crime at Miguel Hernandez University. European Commission

Other publications

- 2021 Moneva, A., & Schiks, J. What works in situational cybercrime prevention?
Factsheet. NSCR
- 2020 Buil-Gil, D., Moneva, A., Kemp, S., Díaz-Castaño, N., & Miró-Llinares, F. Recorded Cybercrime and Fraud Trends in UK during COVID-19
Statistical Bulletin on Crime and COVID-19. University of Leeds

Software

- 2022 Moneva, A., Esteve, M., & Hart, T. C. cacc: Conjunctive Analysis of Case Configurations. R package version 0.1.0
The Comprehensive R Archive Network (CRAN)

Research visits

- Oct 2019 - Dec 2019 Research Personnel in Training (FPU16/01671)
 Netherlands Institute for the Study of Crime and Law Enforcement (NSCR)
- Jan 2019 - Feb 2019 Research Personnel in Training (FPU16/01671)
 École des sciences criminelles, Université de Lausanne

Presentations

Oral communications (52)

- 2023 1. The effect of online ad campaigns on cybercrime
 ONE Conference 2023
2. Analyzing interest in booter services and DDoS attacks: Insight from Google search data

3. Pathways into cybercrime: social opportunities, criminal careers, and the intertwining of crime
4. Examining ransomware payment decision-making among SMEs
5th Annual Conference on the Human Factor in Cybercrime
5. Examining ransomware payment decision-making among SMEs
6. Cybercrime-as-a-Service Markets and IoT Devices: Expert Insights
7. Origin, Growth, and Structure of (Cyber)criminal Youth Networks in a Digitizing Society
23rd Annual Conference of the European Society of Criminology
8. The effect of online ad campaigns on cybercrime: A cross-national difference-in-differences quasi-experiment
Cambridge Cybercrime Centre: 6th Annual Cybercrime Conference
9. Who searches for DDoS-attacks and what do they exactly search for?
The Cybersecurity Revolution (SECREV2023)
10. Een quasi-experimenteel onderzoek op Google
Wat werkt? Evidence-Based Policing in Nederland
- 2022 11. Hacking efficiency: online mobility and the least effort principle
12. Does one ad a day keep cybercrime at bay?
13. Examining risk profiles for cybercrime victimization
4th Annual Conference on the Human Factor in Cybercrime
14. Do online ad campaigns reduce DDoS?
Research Seminar on Contemporary Cybercrime
15. Do online ads reduce DDoS attacks?
Cyber Resilience Symposium of the Center of Expertise Cyber Security
16. Hacker mobility in cyberspace and the least effort principle
17. Examining risk profiles for cybercrime victimization
18. Does one ad a day keep cybercrime at bay?
19. Telegram stolen data markets: crime script and interventions
22nd Annual Conference of the European Society of Criminology
20. Hacker mobility in cyberspace and the least effort principle
ECCA 2022 Environmental Criminology and Crime Analysis Symposium
21. Does one ad a day keep cybercrime at bay?
22. Telegram stolen data markets: Crime script and interventions
23. Hacker mobility in cyberspace and the least effort principle
24. Risicoprofielen voor slachtofferschap van cybercriminaliteit
25. Online ronselen van money mules: Een quasi-experiment op Instagram
Nederlandse Vereniging voor Criminologie (NVC) congres 2022
26. Towards an evaluation of the effect of online ad campaigns on DDoS attacks
The Cybersecurity Revolution (SECREV2022)
- 2021 27. Insider threats among Dutch SMEs: typology, incidence, frequency, consequences, and cyber security policies
3rd Annual Conference on the Human Factor in Cybercrime
28. Alerting conscience to reduce DDoS attacks against the gaming industry: A quasi-experimental design
2021 American Society of Criminology Annual Meeting
29. Alerting conscience to reduce DDoS attacks against the gaming industry. A quasi-experimental design using Google Ads
Nederlandse Vereniging voor Criminologie (NVC) online congres 2021
30. How to alert consciences to prevent DDoS-ers from targeting the gaming industry?
The Cybersecurity Revolution (SECREV2021)
31. Alerting Consciences to Reduce DDoS Attacks: A Quasi-experimental Design Using Warning Banners
32. Insider threats among Dutch SMEs: typology, incidence, frequency, consequences, and cyber security policies
33. Empty streets, busy internet. A time series analysis of cybercrime and fraud trends during COVID-19

- 21st Annual Conference of the European Society of Criminology
- 2020 34. Public demonstrations in Twitter: Identifying metadata for disinformation
35. Shifts in opportunities and cybercrime during COVID-19: A preliminary analysis in the UK
20th Annual Conference of the European Society of Criminology
36. How to apply Environmental Criminology and Crime Analysis to reduce cybercrime?
37. Examining the relationship between data leaks and website characteristics
38. Repeat victimization by website defacement: A test of environmental criminology premises for cybercrime
Cybercrime Online Conference
- 2019 39. Hunter or prey? Exploring the situational profiles that define online harassment repeat victims and offenders
2nd Annual Conference on the Human Factor in Cybercrime
40. "Fear in 280 characters". A new methodological approach for real-time evaluation of fear of crime on Twitter
41. "100% sure fixed matches": Exploring the environmental design of match-fixing websites and their networks
42. Who defrauds the fraudster? Exploring the profiles of vendors of match-fixed results in dark markets
43. Crime trends, Information Technologies, and crime opportunities: two hypotheses to help explain the crime drop
19th Annual Conference of the European Society of Criminology
44. Análisis del delito en entornos urbanos
IV Simposio de Investigación Criminológica
45. Hunter or prey? Exploring the situational profiles that define online harassment victims and offenders
Joint Conference ECCA 2019 Environmental Criminology and Crime Analysis Symposium & 6th Crime Geography and Crime Analysis
- 2018 46. Hunter or prey? An analysis of cyberstalking situational profiles and their preferred places
47. Anonymity-Publicity Index (API): an empirical classification of exposure of online users
18th Annual Conference of the European Society of Criminology
48. ¡El odio está en el aire! Pero ¿dónde?
49. ¿Cazador o presa? Un análisis de los perfiles situacionales del ciberacoso y sus lugares predilectos
50. Anonymity-Publicity Index (API). Una clasificación empírica de la exposición de los usuarios online
XII Congreso Español del Criminología
51. Hate is in the air! But where? Introducing an algorithm to detect hate speech in digital microenvironments
ECCA 2018 Environmental Criminology and Crime Analysis Symposium
- 2017 52. Spatio-temporal analysis of terrorism in Africa. An approach to estimate crime using Geographic Information Systems
III Simposio de Investigación Criminológica

Posters

- 2018 100% sure fixed matches. Exploring the environmental features on alleged fixed sport matches websites and their networks
IV Simposio de Investigación Criminológica

Invited talks (9)

- 2023 1. Online ad campaigns against cybercrime: The Dutch approach
Seminar by Digital Futures & Department of Criminology, University of Manchester
2. Online ad campaigns against cybercrime: The Dutch approach
Sprint - Operation PowerOFF by Europol
3. Stolen data markets on Telegram: crime script and situational crime prevention measures
2023 INTERSCT Conference on cyber security of Internet-of-Things
- 2022 4. Si Zaragoza no se rinde, yo tampoco!

Ciencias y Vivencias en Países Bajos by Spanish Scientists in the Netherlands (CENL)

5. One ad a day keeps cybercrime at bay

Interdisciplinary Conference on Cybercrime by School of Criminal Justice, University of Michigan

6. Using online ads to reduce cyber-attacks: lessons learned and future directions

2022 INTERSCT Conference on cyber security of Internet-of-Things

2021 7. Research Dutch Google Adwords campaign

EMPACT 3.1 Workshop by Cyber Offender Prevention Squad (COPS), Netherlands Police

8. Factores humanos e institucionales en el cibercrimen y la ciberseguridad

Seminar by Centro de Investigación para la Gobernanza Global & Programa de Doctorado en Estado de Derecho y Gobernanza Global, University of Salamanca

9. Alerting conscience to reduce DDoS attacks against the gaming industry: A quasi-experimental design using Google Ads

Research lunch by Centre of Expertise Cyber Security, The Hague University of Applied Sciences

Organization

2023 The Cyber Security Revolution (SECREV)

2022 The Cyber Security Revolution (SECREV)

Co-organizer from The Hague University of Applied Sciences, online

Funding

Personal grants

2023 - 2027	Veni grant - NWO Talent Programme (VI.Veni.221R.024)	€279,841
	Dutch Research Council (NWO)	
2017 - 2020	Grants for the training of university staff (FPU16/01671)	€65,688
	Spanish Ministry of Education, Culture and Sports; and Spanish Ministry of Science, Innovation and Universities	
2019 - 2019	Mobility grants for short stays and temporary transfers (EST18/00043)	€3,060
	Spanish Ministry of Science, Innovation and Universities	

Consortium grants

2022 - 2023	Programma Politie en Wetenschap (PW/OV/2023/27.10)	€101.060
	Netherlands Police	

Teaching experience

My teaching areas include introductory criminology, environmental criminology, cybercrime, and research methods. I completed the Initial Training Program in University Teaching (PFIDU), the Spanish equivalent of the Basis Kwalificatie Onderwijs (BKO). I am also a certified Carpentries Instructor qualified to teach the core curriculum of Data Carpentry, Library Carpentry, and Software Carpentry.

Undergraduate courses

2018 - 2020	Introduction to Criminology
	[08030] BA in Public Safety and Private Security, Miguel Hernandez University
2018 - 2019	Violent communication and hate speech in cyberspace
	[12963] MA in Cybercrime, International University of Catalonia

Guest lectures

2022	Crime, Safety & Security
	[SSMS-CSS-22] BA in Safety and Security Management Studies, The Hague University of Applied Sciences
	Cyberattacks, Crime and Defenses
	[2IMS20] MSc Information Security Technology, Eindhoven University of Technology
2021	Crime, Safety & Security
	[SSMS-CSS-21] BA in Safety and Security Management Studies, The Hague University of Applied Sciences
	New criminological theories and cybercrime

- [51GCRI] BA in Criminology and Security Sciences, Valencian International University
- 2020 **Financial crime, white collar crime and digital systems**
[UCIL20132] Trust & Security in a Digital World: From Fake News to Cybercriminals, University College for Interdisciplinary Learning at University of Manchester
- 2019 **Organised crime**
[21099] BA in Criminology and Public Policies for Prevention, Pompeu Fabra University
- 2019 **Fighting hate crime**
[10454] Summer course, Miguel Hernandez University

Workshops

- 2023 **R for Social Scientists**
Data Carpentry & NSC-R Workshops & NWO-I Digital Competence Center (DCC)
TidyTuesday
Learning to learn R
NSC-R Workshops
- 2022 **Using R for Reproducible Social Science**
NSC-R Workshops & NWO-I Digital Competence Center (DCC)
cacc: Conjunctive Analysis of Case Configurations
TidyTuesday
NSC-R Workshops
- 2021 **RMarkdown**
NSC-R Workshops
- 2020 **Análisis Conjunto de Configuraciones de Caso (CACC)**
#YHLQMDLG: talleres metodológicos para la investigación empírica en Criminología y Derecho penal

Supervision of students

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|----------------|--|--------------------------------|
| 2023 - present | 2 interns mentored | Ditchev, L., & Verhofstadt, L. |
| 2022 - present | 1 PhD student supervised | Kool, H. |
| | Netherlands Institute for the Study of Crime and Law Enforcement (NSCR) | |
| 2022 - 2023 | 1 junior researcher supervised | Garkava, T. |
| | 1 intern mentored | Janssen, T. |
| 2021 - present | 1 PhD student supervised | Loggen, J. |
| 2021 - 2022 | 1 junior researcher supervised | Boeken, J. |
| | 1 intern mentored | Garkava, T. |
| 2020 - 2021 | 1 intern mentored | Folkers, W. |
| | Center of Expertise Cyber Security, The Hague University of Applied Sciences | |
| 2018 - 2019 | 1 MSc thesis supervised | Modesto-Castrillon, C. |
| | [03235] MSc in Crime Analysis and Prevention, Miguel Hernandez University | |

Service

Professional affiliations

- 2023 - present **Member**
Cyber Offender Prevention: Academia (ACOP), Netherlands Police
Member of the ESC Working Group European Network for Open Criminology
European Society of Criminology (ESC)
- 2022 - present **Member**
Spanish Scientists in the Netherlands (CENL)
- 2021 - present **Member**
Dutch Society for Criminology (NVC)
Co-coordinator of the NSC-R Workshops
Netherlands Institute for the Study of Crime and Law Enforcement (NSCR)
- 2018 - present **Member of the ESC Working Group on Cybercrime**
European Society of Criminology (ESC)

2020 - 2020	Member of the SEIC Working Group on Quantitative Criminology
2019 - 2020	Secretary of the SEIC Working Group on IT and Crime Spanish Society of Criminological Research (SEIC)
2018 - 2020	Member of the Spanish Network of Early Career Researchers in Criminology (REJIC)
2017 - 2020	Member of the SEIC Working Group on Environmental Criminology Spanish Society of Criminological Research (SEIC)

Reviewer

Scientific journals

Computers in Human Behavior	2451-9588
Crime & Delinquency	0011-1287
Crime Science	2193-7680
Criminology & Public Policy	1745-9133
IDP. Revista de Internet, Derecho y Política	1699-8154
InDret: Revista para el Análisis del Derecho	1698-739X
International e-Journal of Criminal Sciences	1988-7949
Journal of Contemporary Criminal Justice	1043-9862
Kriminologie - Das Online-Journal	2698-6779

Collective books

Cybercrime in Context: The Human Factor in Victimization, Offending, and Policing	978-3-030-60526-1
Understanding Crime and Place: A Methods Handbook	978-1-439-92067-1

PhD thesis research plans

2023	Consecuencias psicofisiológicas y penales de la presencialidad en entornos virtuales. Un análisis teórico, empírico y doctrinal Comillas Pontifical University	Pardo-Rodriguez, M.
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Scientific committees

2021	Best Bachelor's Thesis Spanish Network of Early Career Researchers in Criminology (REJIC)
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Public outreach

Interviews

2023	Asier Moneva - 'Alleen als je weet hoe cybercrime werkt, kun je het terugdringen.' Dutch Research Council (NWO)
2019	El odio en internet está sobredimensionado Newspaper "Información"

Podcasts

2023	Cibercrimen Epsilon. El podcast de CENL
2022	Environmental Choices: Advancing the research of cybercrime prevention Cybercrimeology

Radio

2018	El Premio Nacional al Investigador Novel 2018 en Criminología, Asier Moneva Las Mañanas de Gestiona Entrevista a Asier Moneva, ganador del Premio Nacional al Investigador Novel 2018 en Criminología UMH Radio & UMH Sapiens
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- 2017 La licencia de armas en EE UU
La masacre de las Vegas
El sistema de justicia español
El debate seguridad versus libertad
Los videos virales y el comportamiento antisocial
- 2016 Las novatadas
El Mundo “Crímina”

Blogs

- 2019 Criminaliteitspatronen van hackers die websites ‘defacen’
Actuele berichten, Netherlands Institute for the Study of Crime and Law Enforcement (NSCR)

Awards

- 2020 3rd National End-of-Career Award
€2,000 Spanish Ministry of Universities & Spanish Ministry of Education
- 2018 Early Career Researcher in Criminology Award
Spanish Society of Criminological Research (SEIC)
- 2018 Best Master’s Thesis Research
€500 Miguel Hernandez University
- 2017 First Prize in the Field of Social Sciences and Humanities in the XVI Archimedes University
Contest for Introduction to Scientific Research
€5,000 Spanish Ministry of Education, Culture and Sport