

# Asier Moneva

*Postdoctoral Researcher*

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## Contact information

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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*  
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 intertwinement of crime
4. Examining ransomware payment decision-making among SMEs  
5<sup>th</sup> 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  
23<sup>rd</sup> 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: 6<sup>th</sup> 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  
4<sup>th</sup> 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  
22<sup>nd</sup> 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  
3<sup>rd</sup> 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

- 21<sup>st</sup> 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  
20<sup>th</sup> 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  
2<sup>nd</sup> 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  
19<sup>th</sup> 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 & 6<sup>th</sup> 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  
18<sup>th</sup> 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 (8)

- 2023 1. Online ad campaigns against cybercrime: The Dutch approach  
Sprint - Operation PowerOFF by Europol  
2. Stolen data markets on Telegram: crime script and situational crime prevention measures  
2023 INTERSCT Conference on cyber security of Internet-of-Things
- 2022 3. Si Zaragoza no se rinde, yo tampoco!  
Ciencias y Vivencias en Países Bajos by Spanish Scientists in the Netherlands (CENL)  
4. One ad a day keeps cybercrime at bay

Interdisciplinary Conference on Cybercrime

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

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

2021 6. Research Dutch Google Adwords campaign

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

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

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

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

Research lunch by the 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) Dutch Research Council (NWO)	€279,841
2017 - 2020	Grants for the training of university staff (FPU16/01671) Spanish Ministry of Education, Culture and Sports; and Spanish Ministry of Science, Innovation and Universities	€65,688
2019 - 2019	Mobility grants for short stays and temporary transfers (EST18/00043) Spanish Ministry of Science, Innovation and Universities	€3,060

#### Consortium grants

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

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



2018 - 2020	Spanish Society of Criminological Research (SEIC)
2017 - 2020	Member of the Spanish Network of Early Career Researchers in Criminology (REJIC)
	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	Pardo-Rodriguez, M.
	Comillas Pontifical University	

### Scientific committees

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

## 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
2017	La licencia de armas en EE UU
	La masacre de las Vegas



- 2016 El sistema de justicia español  
El debate seguridad versus libertad  
Los videos virales y el comportamiento antisocial  
Las novatadas  
El Mundo “Crimina”

### Blogs

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

### Awards

- 2020 3<sup>rd</sup> 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