Asier Moneva

Postdoctoral Researcher

Contact information

Netherlands Institute for the
Study of Crime and Law Enforcement (NSCR)
1081 HV Amsterdam (The Netherlands)

Email: amoneva@nscr.nl
Twitter: @crimoneva
Website: https://asiermoneva.com/

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
Crímina 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 (15)

2023   1. Moneva, A., & Leukfeldt. E. R. Insider Threats Among Dutch SMEs: Nature and Extent of Incidents, and Cyber Security Measures
Journal of Criminology

2022   2. 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

3. 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

4. Moneva, A., Leukfeldt, E. R., & Klijnsoon, W. Alerting Consciences to Reduce Cybercrime: A Quasi-experimental Design Using Warning Banners
Journal of Experimental Criminology
Impact: This paper guided the design of a national cybercrime prevention strategy, based on online ad campaigns, implemented by the 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.

5. 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   6. 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   7. 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

8. 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

9. 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

10. 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   11. 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

12. 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

13. 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   14. 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.

15. 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
Crímina 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 (43)

2023 1. Een quasi-experimenteel onderzoek op Google
Wat werkt? Evidence-Based Policing in Nederland

2022 2. Hacking efficiency: online mobility and the least effort principle
3. Does one ad a day keep cybercrime at bay?
4. Examining risk profiles for cybercrime victimization
4th Annual Conference on the Human Factor in Cybercrime
5. Do online ad campaigns reduce DDoS?
Research Seminar on Contemporary Cybercrime
6. Do online ads reduce DDoS attacks?
Cyber Resilience Symposium of the Center of Expertise Cyber Security
7. Hacker mobility in cyberspace and the least effort principle

8. Examining risk profiles for cybercrime victimization
9. Does one ad a day keep cybercrime at bay?
10. Telegram stolen data markets: crime script and interventions
22nd Annual Conference of the European Society of Criminology

11. Hacker mobility in cyberspace and the least effort principle
ECCA 2022 Environmental Criminology and Crime Analysis Symposium

12. Does one ad a day keep cybercrime at bay?
13. Telegram stolen data markets: Crime script and interventions
14. Hacker mobility in cyberspace and the least effort principle
15. Risicoprofielen voor slachtofferschap van cybercriminaliteit
16. Online ronselen van money mules: Een quasi-experiment op Instagram
Nederlandse Vereniging voor Criminologie (NVC) congres 2022

17. Towards an evaluation of the effect of online ad campaigns on DDoS attacks
The Cybersecurity Revolution (SECREV2022)

2021   18. Insider threats among Dutch SMEs: typology, incidence, frequency, consequences, and cyber security policies
3rd Annual Conference on the Human Factor in Cybercrime

19. Alerting conscience to reduce DDoS attacks against the gaming industry: A quasi-experimental design
2021 American Society of Criminology Annual Meeting

20. 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

21. How to alert consciences to prevent DDoS-ers from targeting the gaming industry?
The Cybersecurity Revolution (SECREV2021)

22. Alerting Consciences to Reduce DDoS Attacks: A Quasi-experimental Design Using Warning Banners
23. Insider threats among Dutch SMEs: typology, incidence, frequency, consequences, and cyber security policies
24. 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   25. Public demonstrations in Twitter: Identifying metadata for disinformation
26. Shifts in opportunities and cybercrime during COVID-19: A preliminary analysis in the UK
20th Annual Conference of the European Society of Criminology

27. How to apply Environmental Criminology and Crime Analysis to reduce cybercrime?
28. Examining the relationship between data leaks and website characteristics
29. Repeat victimization by website defacement: A test of environmental criminology premises for cybercrime
Cybercrime Online Conference

2019   30. Hunter or prey? Exploring the situational profiles that define online harassment repeat victims and offenders
2nd Annual Conference on the Human Factor in Cybercrime

31. "Fear in 280 characters". A new methodological approach for real-time evaluation of fear of crime on Twitter
32. "100% sure fixed matches": Exploring the environmental design of match-fixing websites and their networks
33. Who defrauds the fraudster? Exploring the profiles of vendors of match-fixed results in dark markets
34. Crime trends, Information Technologies, and crime opportunities: two hypotheses to help explain the crime drop
19th Annual Conference of the European Society of Criminology

35. Análisis del delito en entornos urbanos
IV Simposio de Investigación Criminológica

36. 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 37. Hunter or prey? An analysis of cyberstalking situational profiles and their preferred places
38. Anonymity-Publicity Index (API): an empirical classification of exposure of online users
18th Annual Conference of the European Society of Criminology

39. ¡El odio está en el aire! Pero ¿dónde?
40. ¿Cazador o presa? Un análisis de los perfiles situacionales del ciberacoso y sus lugares predilectos
41. Anonymity-Publicity Index (API). Una clasificación empírica de la exposición de los usuarios online
XII Congreso Español del Criminología

42. 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 43. 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 (7)

2023 1. Stolen Data Markets on Telegram: Crime Script and Situational Crime Prevention Measures
2023 INTERSCT Conference on cyber security of Internet-of-Things

2022 2. Si Zaragoza no se rinde, yo tampoco!
Ciencias y Vivencias en Países Bajos by Spanish Scientists in the Netherlands (CENL)

3. One ad a day keeps cybercrime at bay
Interdisciplinary Conference on Cybercrime

4. Using online ads to reduce cyber-attacks: lessons learned and future directions
2022 INTERSCT Conference on cyber security of Internet-of-Things

2021 5. Research Dutch Google Adwords campaign
EMPACT 3.1 Workshop by the Cyber Offender Prevention Squad (COPS), Netherlands Police

6. 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

7. 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

2017 – 2020 Grants for the training of university staff (FPU16/01671)
€65,688 funded by the Spanish Ministry of Education, Culture and Sports and the Spanish Ministry of Science, Innovation and Universities

2019 – 2019 Mobility grants for short stays and temporary transfers (EST18/00043)
€3,060 funded by the Spanish Ministry of Science, Innovation and Universities

Consortium grants
2022 – 2023   Programma Politie en Wetenschap (PW/OV/2023/27.10)
                 €101.060 funded by the 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   TidyTuesday
        Learning to learn R
        NSC-R Workshops
2022   Using R for Reproducible Social Science
        NSC-R Workshops & NWO-I Digital Competence Center (DCC) & Data Carpentry
        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)
                    1 junior researcher supervised   Garkava, T.

2022 - 2023	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
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 of Cybercrime
	European Society of Criminology (ESC)
2020 – 2020	Member of the SEIC Working Group on Quantitative Criminology
2019 – 2020	Secretariat 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 |

Scientific committees

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

Knowledge transfer

Newspapers
2019   El odio en internet está sobredimensionado
            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
        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