

Rosanna Bellini

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Cornell Tech | 2 W Loop Rd, New York, NY 10044

Positions

Postdoctoral Scholar

2021 – present. Cornell Tech, New York City, US

Research Assistant

2021. Northumbria University, Newcastle, UK

2021. Newcastle University, Newcastle, UK

2020 – 2021. Durham University, Durham, UK

Research Software Developer

2019 – 2021. Respect, London, UK

2016 – 2017. Newcastle University, Newcastle, UK

Visiting Researcher

2019. Cornell Tech, New York City, US

Education

2021. Ph.D., (Minor Revisions) in Computer Science

Supervised by *Dr. Jan Smeddinck*, *Prof. Nicole Westmarland*, and *Prof. Simon Forrest*

Newcastle University, Newcastle upon Tyne, UK

2017. M.Res., (Distinction) in Digital Civics

Supervised by *Prof. Rob Comber* and *Prof. Patrick Olivier*

Newcastle University, Newcastle upon Tyne, UK

2016. M.Sc., (Distinction) in Computer Science

Supervised by *Prof. John Vines*

Newcastle University, Newcastle upon Tyne, UK

2015. B.A., (First Class) in Philosophy

Supervised by *Prof. David Rose*

Newcastle University, Newcastle upon Tyne, UK

Awards

2023 Best Paper Award, ACM CHI'23

2022 Postdoctoral Achievement Award in Excellence in Mentoring, Cornell University

2022 Best Paper Award, ACM CHI'22

2020 Best Paper Award, ACM CSCW'20

2020 TechWomen 100: Supporting Women in Technology (Runner Up) Award
2020 Distinguished Paper Award, USENIX Security '20
2020 Internet Defence Prize (Third Place), USENIX Security '20
2019 Honorable Mention Paper Award, ACM CHI'19
2016 Group Software Project Award, Accenture, Newcastle University.
2015 Pride of Newcastle Award, Newcastle University

Publications

Conferences are the top-tier academic publishing venues for computer science and information science. Most of my research is published in CS conference proceedings. As my collaborators span across many different disciplines, we sometimes choose to submit our work to other top-tier journal publication venues.

Thesis

Rosanna Bellini. *Mechanisms of moral responsibilities: Designing and deploying digital technologies for perpetrators of domestic violence.* Doctor of Philosophy (Ph.D.) at Newcastle University. April 2021.

Conference and Journal Publications

- [1] **Rosanna Bellini**, Kevin Lee, Megan A. Brown, Jeremy Shaffer, Rasika Bhalerao, and Thomas Ristenpart. *The Digital-Safety Risks of Financial Technologies for Survivors of Intimate Partner Violence.* In Proceedings of the 32nd USENIX Security Symposium (USENIX Security '23)
- [2] Alaa Daffalla, Marina Bohuk, Nicola Dell, **Rosanna Bellini**, Thomas Ristenpart. *Account Security Interfaces: Important, Unintuitive, and Untrustworthy.* In Proceedings of the 32nd USENIX Security Symposium (USENIX Security '23)
- [3] **Rosanna Bellini.** *Paying the Price: When Intimate Partners Use Technology for Financial Harm.* In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23).
- [4] **Rosanna Bellini** and Nicole Westmarland. *"We adapted because we had to." How domestic violence perpetrator programmes adapted to work under COVID-19 in the UK, the US and Australia.* Journal of Aggression, Conflict and Peace Research, July 2022.
- [5] Angelika Strohmayer, **Rosanna Bellini**, and Julia Slupska. *Safety as a Grand Challenge in Pervasive Computing: Shifting the Paradigm From Security to Safety.* IEEE Pervasive Computing, 21:3, July-Sept 2022.
- [6] Emily Tseng, Mehrnaz Sabet, **Rosanna Bellini**, Harkiran Kaur Sodhi, Thomas Ristenpart and Nicola Dell, *Care Infrastructures for Digital Security in Intimate Partner Violence.* In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22)
- [7] **Rosanna Bellini**, Janis Meissner, Samantha Mitchell Finnigan and Angelika Strohmayer *Feminist human-computer interaction: Struggles for past, contemporary, and futuristic feminist theories in digital innovation,* Feminist Theory, 23:2, April 2022.
- [8] **Rosanna Bellini** and Nicole Westmarland, *A Problem Solved is a Problem Created – The Opportunities and Challenges Associated with an Online Domestic Violence Perpetrator Programme,* Journal of Gender-Based Violence, Special Issue, June 2021.
- [9] Nicole Westmarland and **Rosanna Bellini.** 2021. *The move online – what does it mean for domestic abuse perpetrator programmes?* In Probation Quarterly, Issue 19: March 2021
- [10] **Rosanna Bellini**, Alexander Wilson, and Jan David Smeddinck. 2021. *Fragments of the Past: Configuring Peer Support with Perpetrators of Domestic Violence.* In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21)
- [11] **Rosanna Bellini** as part of the Digital Mental Health Digital Insights Group (DMHDIG). 2021. *Early warning signs of a mental health tsunami: A coordinated response to gather initial data insights from multiple digital services providers.* In Frontiers of Digital Health, January 2021.

- [12] **Rosanna Bellini**, Emily Tseng, Nora McDonald, Matan Danos, Rachel Greenstadt, Damon McCoy, Thomas Ristenpart, and Nicola Dell. 2020. *“So-called privacy breeds evil”: Narrative Justifications for Intimate Partner Surveillance in Online Forums*. In Proceedings of the Companion Publication of the 23rd ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW '20)
- [13] Emily Tseng, **Rosanna Bellini**, Nora McDonald, Matan Danos, Rachel Greenstadt, Damon McCoy, Nicola Dell, and Thomas Ristenpart. 2020. *The Tools and Tactics Used in Intimate Partner Surveillance: An Analysis of Online Infidelity Forums*. In Proceedings of the 29th USENIX Security Symposium (USENIX Security '20)
- [14] **Rosanna Bellini**, Simon Forrest, Nicole Westmarland, Dan Jackson, and Jan David Smeddinck. 2020. *Choice-Point: Fostering Awareness and Choice with Perpetrators in Domestic Violence Interventions*. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)
- [15] **Rosanna Bellini**, Simon Forrest, Nicole Westmarland and Jan David Smeddinck. 2020. *Mechanisms of Moral Responsibility: Rethinking Technologies for Domestic Violence Prevention Work*. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)
- [16] **Rosanna Bellini**, Jay Rainey, Andrew Garbett and Pamela Briggs. 2019. *Vocalising Violence: Using Violent Mens' Voices for Service Delivery and Feedback*. In The 9th International Conference on Communities Technologies -Transforming Communities (CT '19)
- [17] **Rosanna Bellini**, Angelika Strohmayer, Patrick Olivier, and Clara Crivellaro. 2019. *Mapping the Margins: Navigating Ecologies of Domestic Violence Service Provision* in Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)
- [18] **Rosanna Bellini**, Patrick Olivier, and Rob Comber. 2018. *“That Really Pushes My Buttons”: Designing Bullying and Harassment Training for the Workplace*. In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)
- [19] Angelika Strohmayer, **Rosanna Bellini**, Janis Meissner, Samantha Mitchell Finnigan, Ebtisam Alabdulqader, Austin Toombs, and Madeline Balaam. 2018. *#CHIiversity: Implications for Equality, Diversity, and Inclusion Campaigns*. In Extended Abstracts Alt.CHI. of the 2018 CHI Conference on Human Factors in Computing Systems (CHI EA '18)

Workshops and Special Interest Groups

- [20] **Rosanna Bellini**, Debora de Castro Leal, Hazel Anneke Dixon, Sarah E. Fox, and Angelika Strohmayer, *“There is no justice, just us”: Making mosaics of justice in social justice Human-Computer Interaction*. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '22).
- [21] **Rosanna Bellini**, Nicola Dell, Monica Whitty, Debasis Bhattacharya, David Wall and Pamela Briggs. 2020. *Crime and/or Punishment: Joining the Dots between Crime, Legality and HCI*. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)
- [22] **Rosanna Bellini**, Angelika Strohmayer, Ebtisam Alabdulqader, Alex A. Ahmed, Katta Spiel, Shaowen Bardzell, and Madeline Balaam. 2018. *Feminist HCI: Taking Stock, Moving Forward, and Engaging Community*. In Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems (CHI EA '18)

Invited Book Chapters

- [23] **Rosanna Bellini** and Hazel Dixon. *Troubling Technologies for Sexual Consent: Examining the Technical Frameworks for Sexual Communication*. In Sexualities, December 2022
- [24] **Rosanna Bellini**. Book Chapter *Reflections on accessing and reporting on employee well-being data*. In Stopping Gender-based Violence in Higher Education: Policy, Practice, and Partnerships, August 2022

Press Articles

- [25] **Rosanna Bellini**. March 2021. *Tentative steps in the right direction to end violence against women, but not a victory yet*. In News: Open Lab.
- [26] **Rosanna Bellini**. 2020. *What Am I Reading?* Interactions, Volume 27, Issue 6 November – December 2020
- [27] **Rosanna Bellini** and Angelika Strohmayer. *Intersections of Transformation*, Interactions Volume 27, Issue 7 September - October 2020
- [28] Nicole Westmarland and **Rosanna Bellini**. *Coronavirus lockdown is a dangerous time for victims of domestic abuse – here's what you need to know*. The Conversation, 19th March, 2020.
- [29] **Rosanna Bellini**. *Why we're challenging domestic violence perpetrators with interactive storytelling*. The Conversation, 10th February 2020.

Commissioned Reports

- [30] Nicole Westmarland, **Rosanna Bellini**, Alishya Dhir, Kirsten Hall, Amanda McCormick, Sue Regan, and Nikki Rutter. April 2021. *An evaluation of Respect's strategic and service delivery work during Covid-19*. Durham University for the Home Office of the Government of the United Kingdom.
- [31] Victoria Paige, Sara Kirkpatrick, and **Rosanna Bellini**. 2021. *Tech vs Abuse: How Can Technology Help DVPPs?*, Respect UK
- [32] Hannah King, Nicole Westmarland and **Rosanna Bellini**. 2020 *Durham County Council Domestic Abuse Awareness Project (DAAP) Evaluation Final Report*, Durham County Council, October 2020.

Toolkits

- [33] Angelika Strohmayer, Julia Slupska, **Rosanna Bellini**, Gina Neff, Lynne Coventry, Tara Hairston, and Adam Dodge. *Trust and Abusability Toolkit: Centering Safety in Human-Data Interactions*. September 2021.

Datasets

- [34] The *Intimate Partner Financial Abuse* corpus by J.P.Morgan Chase. Positive match cases for intimate partner financial abuse in Consumer Financial Protection Bureau (CFPB) customer complaints. Constructed with Arkaprabha Bhattacharya, Kevin Lee, Vineeth Ravi, and Jessica Staddon. <https://github.com/jpmorganchase/ipfa>
- [35] The *Intimate Partner Surveillance Attack Vector and Justification* corpus. Labelled forum posts from relationship and technology forums for attack vectors, contextual factors, and escalation steps for surveillance of intimate partners. Constructed with Emily Tseng, Nora McDonald, and Sandra Ebirim. *Data-set not publicly available upon appropriate request*.

Research Impact and Media Interviews

- [36] Results from [3] and [6] directly informed and cited in the *Home Office Standards for Domestic Abuse Perpetrator Programmes*, in the United Kingdom.
- [37] Speaker on *Stalkerware: Tech-enabled domestic abuse skyrocketing*, Business Daily, BBC World Service, Ivana Davidovic, 16th November 2021.
- [38] Intimate partner surveillance [10] and [11] featured in, and interviewed in *Americans are obsessed with digitally stalking their loved ones*, INPUT Magazine, Chris Stokel-Walker, 29th October 2020.
- [39] Interviewed in *These North-East and North Yorkshire women are making technology more inclusive*, The Northern Echo, Tasmin Lockwood, 11th September 2020.

Funding

Total awarded: £ 119,000; € 47,500; \$40,000

2020 Facebook USENIX Internet Defence Prize (shared with Tseng, Dell, Ristenpart) \$ 40,000
2020 Volkswagenstiftung Foundation (shared with Strohmayer, Dankwa and Draude) € 47,500
2019 Comic Relief Tech vs Abuse (shared with Respect UK) £ 50,000
2018 Newcastle University Equality, Diversity, and Inclusion Awards £ 5,000
2017 EPSRC Centre for Doctoral Training (CDT) in Digital Civics PhD Studentship £ 60,000
2017 Newcastle University Student Union Society: Newcastle Feminist Society £ 4,000

Invited Presentations

Paying the Price: When Intimate Partners use Technology for Financial Harm
City, University of Strathclyde, Glasgow, UK (May 2023)

Paying the Price: When Intimate Partners use Technology for Financial Harm
City, University of London, London, UK (May 2023)

Shining a Light on Invisible Adversaries
Security and Networks Seminar, University of California, San Diego, US. (November 2022)

The Power of Invisibility: Exploring the Role of Technology with Abusers, Stalkers, and Other Adversaries
MISC Seminar Series, University of Michigan, US. (October 2022).

Hidden in Plain Sight: Detecting Technology-Enabled Financial Abuse in Intimate Partnerships.
ACM International Conference on AI in Finance. New York, US. (November 2022).

Talking about Technology Abuse: Perspectives from Abusive Partners and Implications for Interventions.
The 26th Annual Battering Intervention Services Coalition of Michigan (BISC-MI) Conference, Michigan, US. (October 2022).

Clinic to End Tech Abuse: Understanding, Investigating, and Preventing Tech Abuse.
(w/ Lana Ramjit) National Network to End Domestic Violence (NNEDV), New York, US. (July 2020).

How Have Domestic Violence Perpetrator Programmes Adapted Their Work During COVID-19?
(w/ Nicole Westmarland) The Batterer Intervention Coalition of Michigan, Michigan. US. (December 2020)

The Role of Video Conferencing Software in the Delivery of Batterers Intervention Programmes
(w/ Nicole Westmarland) The Batterer Intervention Coalition of Michigan, Michigan. US. (November 2019)

Troubling Technologies for Sexual Consent: Examining the Technical Frameworks for Sexual Communication
Consent: Histories, Representations, and Frameworks for the Future, Durham University. UK (2019)

Embedding Moral Responsibility in Technology: Whose Responsibility is it Anyway?
Northumbria NORTHLab Talks. Northumbria University, UK (2019)

Digital Economy Network: Diversity Network Launch
(w/ Sean Peacock) at Digital Economy Network at CDT Showcase. London. UK (August 2017)

Teaching

Teaching Assistant

2022. INFO6940 Social Justice and Technology.

Information Science (Postgraduate), Cornell University, New York, US.

2018 – 2019. CSC8404 Advanced Programming in Java.

Computer Science (Postgraduate), Newcastle University, England, UK.

2018 – 2019. CSC8002 Advanced Programming.

Computer Science (Postgraduate), Newcastle University, England, UK.

2018 – 2019. CSC8001 Programming and Data Structures.

Computer Science (Postgraduate), Newcastle University, England, UK.

2018 – 2019. CSC8010 Computer Environments.

Computer Science (Postgraduate), Newcastle University, England, UK.

2018. CSC2024 Database Technologies.

Computer Science (Undergraduate), Newcastle University, England, UK.

Guest Lecturer

2022. CSE291-6 *Usable Security & Privacy*

Computer Science (Undergraduate), University of California San Diego, US.

2020 – 2021. SHSS-CPD *Online Therapy Skills for Mental Health Practitioners*.

Psychological Therapies (Postgraduate), Edinburgh University, Scotland, UK.

2021. DDC *Design for Digital Civics*.

Design for Health & Wellbeing (Postgraduate), University of Limerick, Ireland

2019. **Insights Public Lectures**

Newcastle University, UK.

Marking Support

2019. CSC8406 Object Oriented Programming.

Computer Science (Postgraduate), Newcastle University, England, UK.

2018. CSC8008 Information Systems.

Computer Science (Postgraduate), Newcastle University, England, UK.

2018. CSC8009 Research Methods for Computer Science.

Computer Science (Postgraduate), Newcastle University, England, UK.

2018. CSC2021 Software Engineering.

Computer Science (Undergraduate), Newcastle University, England, UK.

2018. CSC1026 Website Design and Construction.

Computer Science (Undergraduate), Newcastle University, England, UK.

Advising

Masters Students

Adelaide Nyanyo, Cornell Tech, Information Science (2023 –)

Ana Medinac, Cornell Tech, Information Science (2023 –)

Tiffany Lee, Cornell Tech, Information Science (2022 –)

[Shared: Jessica Staddon, JPMorgan] Arkaprabha Bhattacharya, University of Washington (2022 –)

Lauren Tran, Cornell Tech, Information Science (2022 – 2022)

Kristen Flaherty, Cornell Tech, Information Science (2022 – 2022)

Jeremy Markowitz Shaffer, Cornell Tech, Information Science (2022 – 2022)

Jeremy Hazan, Cornell Tech, Information Science (2021 – 2022)

Netania Kligerman, Cornell Tech, Information Science (2021 – 2022)

Academic Service

Programme Committee

2023 SECHOPE23

Steering Committee

2021 Feminist Methods, Theories and Actions Conference

2017–present fempower.tech

Board Member

2021–present SIGCHI CARES

2017–present fempower.tech

Sub-Committee Chair / Area Chair

2022 ACM Human Factors in Computing Systems (CHI)

2022 ACM Designing Interactive Systems (DIS): Papers and Pictorials

2021 ACM Designing Interactive Systems (DIS): Papers and Pictorials

Reviewer

ACM Human Factors in Computing Systems (CHI)

ACM Computer Supported Cooperative Work and Social Computing (CSCW)

ACM Transactions on Computer-Human Interaction (TOCHI)

ACM International AAAI Conference on Web and Social Media (ICWSM)

ACM Designing Interactive Systems (DIS)

ACM Computing and Sustainable Societies (COMPASS)

ACM Nordic Forum for Human-Computer Interaction (NordiCHI)

USENIX Security Symposium

Oxford University Press: Journal of Computer-Mediated Communication (JCMC-23-047)

EUSSET Communities and Technologies (C&T)

SAGE Publications: Journal of Violence Against Women

Bristol University Press: Journal on Gender-Based Violence (JGBV)

Institute of Museum and Library Services (LG-246340-OLS-20)

Cyberpsychology: Journal of Psychosocial Research on Cyberspace

Expert Panel Member for Not Equal, UKRI funded network, NetworkPlus

Officer

2021 Social Media Officer for Participatory Design Conference (PDC)

Editor

2021-present Meaningful Design Processes Forums in ACM Interactions

Volunteer

2018 Student Volunteer at Communities and Technologies, Vienna

Advocacy Service

Board Member

2021 – present National BIP Network Advisory Council

2019 – 2021 Centre for Research into Violence and Abuse (CRIVA)

Editor

2015 Film Editor of The Courier, The Independent Voice of Newcastle Students

Service Provider

2021-present Director of Research and Client Case Lead at Clinic to End Technology Abuse.

Professional Skills and Training

Vulnerable Populations and Safeguarding

2021 Mental Health First Aid Training

2021 Safeguarding Training for Children and At-Risk Adults

2018 Extreme and Difficult Behaviours Masterclass, Collingwood Legal

2017 Vulnerable Children and Adults Training, Barnardo's Teesside

Teaching, Learning and Graphic Design

2017 ILTHE: Introduction to Learning and Teaching in Higher Education

2016 Adobe Photoshop Essentials

2015 Adobe InDesign Essentials