

# ANINA SCHWARZENBACH

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## PROFESSIONAL APPOINTMENTS

|                 |   |
|-----------------|---|
| 09/2022-present | Postdoctoral Researcher / Lecturer at the Institute of Criminal Law and Criminology; <b>University of Bern.</b>   |
| 06/2023-10/2023 | Parental leave.   |
| 08/2020-07/2022 | Fellow with the Cyber Project; Belfer Center for Science and International Affairs; <b>Harvard University.</b>  |
| 07/2020-04/2022 | Research Associate / Lecturer at the Department of Criminology and Criminal Justice; School of Behavioral Social Sciences; <b>University of Maryland.</b>                                   |
| 07/2021-11/2021 | Parental leave.   |
| 08/2018-07/2020 | Postdoctoral Researcher with the International Security Program; Belfer Center for Science and International Affairs; <b>Harvard University.</b>  |
| 10/2017-07/2018 | Senior Researcher at the Department of Criminology; <b>Max Planck Institute for the Study of Crime, Security and Law</b> (formerly: Max Planck Institute for Criminal Law and Criminology). |
| 02/2015-05/2015 | Visiting Researcher at the Institute of Criminology <b>University of Cambridge.</b>   |
| 01/2013-09/2017 | Graduate Researcher at the Department of Criminology; <b>Max Planck Institute for the Study of Crime, Security and Law.</b>   |

## RESEARCH INTERESTS

Social Inequalities; Social Networks and Processes; Trust and Legitimacy; Resilience; Social Change and Democracy; Media and Polarization, Migration and Integration; AI and Ethics, Terrorism and Political Violence; Cybersecurity and Cybercrime; Computational Social Sciences, Empirical Methods of Social Sciences

## EDUCATION

|      |  |             |
|------|--|-------------|
| 2017 | <b>University of Freiburg, Faculty of Philosophy</b><br><b>International Max Planck Research School on Retaliation, Mediation, and Punishment (IMPRS REMEP)</b><br>PhD in Sociology, magna cum laude (Defense: 20. September 2017) | Germany     |
| 2012 | <b>University of Bern, Faculty of Law</b><br>LL.M. in Criminology, summa cum laude   | Switzerland |
| 2011 | <b>University of Zurich, Faculty of Philosophy</b><br>M.A. in Communication Science, Economics, and Criminology  | Switzerland |
| 2007 | <b>University of Örebro, Faculty of Philosophy</b><br>Economics  | Sweden      |

## GRANTS AND AWARDS

- 2023 Career Promotion Grant for Young Scientists; University of Bern (CHF 6'000).
- 2023 Initiator Grant; University of Bern (as PI, CHF 24'860).
- 2023-2024 COMET career program fellowship; University of Bern (CHF 3'500).
- 2023 Career Promotion Grant for Young Scientists; University of Bern (CHF 6'000).
- 2022 Conference Grant; Criminological Research Institute Niedersachsen (KFN) (CHF 500).
- 2020 Postdoc Mobility Grant; Swiss National Science Fund (SNSF) (as PI, CHF 120'000).
- 2020-2022 Harvard Belfer Center Cyber Project Program Fellowship Award; Harvard University.
- 2018-2020 Harvard Belfer Center International Security Program Fellowship Award; Harvard University.
- 2019 Research Grant; Fondazione Leonardo (as PI, CHF 20'000).
- 2013-2017 Doctoral Fellowship; International Max Planck Research School on Retaliation, Mediation, and Punishment.
- 2007 EU Erasmus Program Scholarship (six months).

## PUBLICATIONS

### Peer-reviewed Publications

- Schwarzenbach, A.**, and Jensen, M (forthcoming). Extremists of a feather flock together? Community structures, transitivity, and patterns of homophily in the US Islamist co-offending network. PlosOne.
- LaFree, G., **Schwarzenbach, A.** (2021): Micro and Macro-Level Risk Factors for Extremism and Terrorism. Toward a Criminology of Extremist Violence. Journal of Criminology and Penal Reform, 104, no. 3: 184-202. <https://doi.org/10.1515/mks-2021-0127>
- Schwarzenbach, A.** (2020): Youth-Police Relations in Multi-Ethnic Cities. A Study of Police Contacts and Attitudes toward Police in Germany and France. Berlin: Duncker & Humblot. <http://hdl.handle.net/21.11116/0000-0007-064D-D>
- Schwarzenbach, A.**, Tankebe, J., and Oberwittler, D. (2020): In Their Own Hands: Young People and Self-Justice Retaliation in Germany. Crime & Delinquency. <https://doi.org/10.1177/0011128720948032>
- Oberwittler, D., and **Schwarzenbach, A.** (2015): Police and Adolescents in Multi-Ethnic Societies. Findings of a Comparative Survey of Adolescents in German and French Cities. In: SIAK-Journal – Journal for Police Science and Practice, International Edition, Vol. 5, 4-15.

### Contribution to Books

- Schwarzenbach, A.** (2023) Extremism, Violence, and the Media Discourse. In: Brewster, C., and Wieboldt, D. (Eds.). Journalism and Democracy. The Clough Center for The Study of Constitutional Democracy, Boston College., pp. 43-47.

- Schwarzenbach, A.** (2019): Counter-radicalisation strategies: An analysis of German and French approaches and implementations. In: Akhgar, B., Wells, D., and Blanco, J. M. (eds.). *Investigating Radicalization Trends: Case Studies in Europe and Asia*. Springer Nature, pp.101-122.
- Schwarzenbach, A.** (2018): Fighting the “Threat from Within”: France and its Counter-Radicalization Strategy. In: Vidino, L (ed.). *De-radicalization in the Mediterranean. Comparing Challenges and Approaches*. Istituto per gli studi di politica internazionale (ISPI). Milano: LediPublishing. <https://www.ispionline.it/en/publicazione/de-radicalization-mediterranean-21009>
- Roché, S., **Schwarzenbach, A.**, Oberwittler, D., and De Maillard, J. (2017): Adolescents’ Divergent Ethnic and Religious Identities and Trust in the Police. Combining Micro- and Macro-Level Determinants in a Comparative Analysis in France and Germany. In: Oberwittler, D. and Roché, S. (ed.): *Police-Citizen Relations: A Comparative Investigation of Sources and Impediments of Legitimacy Around the World*. London: Routledge, pp. 175-195. <https://doi.org/10.4324/9781315406664>
- Schwarzenbach, A.** (2017): Wie stehen Jugendliche in Deutschland zur Polizei? Ergebnisse aus dem Forschungsprojekt POLIS. In: Bartsch, T., Brandenstein, M., Grundies, V., Hermann, D., Puschke, J., and Rau, M. (ed.): *Sammelband des 50. Kolloquium der Südwestdeutschen und Schweizerischen Kriminologischen Institute*. Berlin: Duncker & Humblot.
- Manuscript under Revision      **Schwarzenbach, A.** Targets of Police Attention. Young People, Discrimination and Stop-and-Search in Germany and France. *European Sociological Review*. Revise and Resubmit.
- Working Papers      **Schwarzenbach, A.** Distributive Justice, Resource Inequality, and Domestic Terrorist Attacks. <https://osf.io/preprints/socarxiv/s6xtc/>
- Schwarzenbach, A.**, Voo, J., Hemani, I., Jones, S., and Cassidy, D. Cyber Power: Assessing Capabilities and Intent in Cyberspace. Manuscript available.
- Schwarzenbach, A.**, and Baier, D. Political Legitimacy and Political Extremism.
- Developed Databases      **Schwarzenbach, A.** , Voo, J., Hemani, I., Jones, S., DeSombre, W., and Cassidy, D. (2020). *Harvard Belfer National Cyber Power Index 2020*, Harvard Dataverse, V3. <https://doi.org/10.7910/DVN/LT55JY>

## SELECTED RESEARCH IN PROGRESS

Generative AI and Democracy. Ethical and Societal Considerations on ChatGPTs Coverage of Contentious Social Issues. (with Hayes-Mota, N.)

Extremism, Democracy, and the Media. (solo-authored)

Extremism and Resilience. (solo-authored)

Perpetrators and victims of state-based cyber-attacks. (with Delavy, F.)

## COOPERATIONS

|                 |   |
|-----------------|---|
| since 09/2022   | ' Center for the Study of Constitutional Democracy, Boston College.                           |
| since 07/2020   | Center for the Study of Terrorism and Responses to Terrorism (START), University of Maryland. |
| 08/2020-07/2022 | Cyber Project of the Belfer Center for Science and International Affairs; Harvard University. |

## ACADEMIC LEADERSHIP

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|--------------------|---|
| 09/2022 to present | <b>Principal Investigator of the project Violent Extremism, Democracy, and the Media (VEDeM).</b> Leads the project and overviews the work of the graduate research assistant Livia Zoebeli, BA in Computational Linguistics.   |
| 06/2020-04/2022    | <b>Principal Investigator of the project Legitimacy and Effectiveness of Strategies to Counter Violent Extremism.</b> Department of Criminology and Criminal Justice; School of Behavioral Social Sciences; University of Maryland. Lead the project funded with a SNSF Postdoc Mobility Grant. |
| 10/2017-07/2018    | <b>Principal Investigator of the project Islamist Radicalization in Europe.</b> Max Planck Institute for the Study of Crime, Security and Law. Lead the project and carried out expert interviews.  |
| 02/2014-02/2016    | <b>Ph.D. representative at the Max Planck Institute for the Study of Crime, Security and Law.</b> Promoted equal payment and equal opportunities for all Ph. D. candidates of the Max Planck Society. Co-organized a conference on Open Access in Legal Research.                               |

## SUPERVISION AND TEACHING

### Graduate Student Supervision

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|--------------------|---|
| 02/2023 to present | <b>Master Thesis supervisor of Annette Feitscher.</b> Institute of Criminal Law, and Criminology, University of Bern, Switzerland. Master Thesis title: Political Agenda Setting: The Role of Media and Social Media”.  |
| 02/2023 to 07/2023 | <b>Supervision of Anastasija Kaplane.</b> Advanced Program in European Law and Economics. International Department of the Riga Graduate School of Law (RGSL). Guided the student in developing research proposals and methodology, advised the student on their research paper ”Comparative analysis of prevention of youth radicalization in the EU and the Central Asia.  |
| 01/2014-08/2015    | <b>Supervision of three Master students in sociology: Göran Köber (University of Freiburg, Germany), Johann Wesemann (University of Mannheim, Germany) and Selma Lamprecht (University of Mannheim, Germany).</b> Instructed the students in the coding of occupations according to the International Standard Classification of Occupations (ISCO) and International Socio-Economic Index of Occupational Status (ISEI). |

## Teaching and Course Development

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|----------------------------|--|
| 2023<br>(research seminar) | <b>Media, Polarization, and Democracy.</b><br>University of Bern, Institute for Criminal Law and Criminology. Developed and taught the research seminar.   |
| 2021<br>(semester course)  | <b>Human Causes and Consequences of Terrorism.</b><br>University of Maryland, Department of Criminology and Criminal Justice. Course development and co-teaching with Prof. Gary LaFree.   |
| 2019<br>(semester course)  | <b>Cyber Information and Operations.</b><br>Harvard University, John F. Kennedy School of Government, Belfer Center. Developed course material for the Center's Co-director Eric Rosenbach, wrote case studies and teaching notes, evaluated the students' assignments, and administered the course.                                       |
| 2019<br>(semester course)  | <b>Leadership and Execution in Global Affairs.</b><br>Harvard University, John F. Kennedy School of Government, Belfer Center. Developed course material for the Center's Co-director Eric Rosenbach, wrote case studies and teaching notes, evaluated the students' assignments, ran leadership simulations, and administered the course. |
| 2023<br>(research seminar) | <b>Qualitative Research Methods for the Social Sciences.</b><br>University of Freiburg (Germany), University College Freiburg. Full semester course. Developed and taught the course.  |

## RESEARCH APPOINTMENTS

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|-----------------|--|
| 01/2020-10/2020 | Research Assistant to Julia Voo, Director of the Cyber Power Project; John F. Kennedy School of Government; Harvard University.  |
| 01/2013-08/2017 | Research Assistant to Prof. Dietrich Oberwittler for the Project Police and Adolescents in Multi-Ethnic Societies. Max Planck Institute for the Study of Crime, Security and Law; Freiburg, Germany. |

## PRESENTATIONS, MEDIA COVERAGE, AND INVITED SPEAKER AND EXPERT

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|---------------------------|---|
| Selected<br>Presentations | November 2022, Extremists of a Feather. Homophily in Violent Extremist Networks. International Conference on Social Networks and their Application. University of Palermo, Palermo, Italy<br>March 2021, Political Legitimacy and Worldwide Terrorist Attacks. International Studies Association ISA Conference (virtual).<br>November 2020, Harvard National Cyber Power Index 2020, together with Julia Voo, Simon Jones, and Daniel Cassidy. 2020 Conference on Cyber Norms, The Hague Program for Cyber Norms, Leiden University (virtual).<br>May 2020, Terrorism and Political Legitimacy. "Harvard-MIT-Tufts-Yale Political Violence Conference", hosted by the Massachusetts Institute of Technology (virtual). |
|---------------------------|---|

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|----------------------------|-------|--|
|                            |       | <p>April 2020, Terrorism and State Legitimacy. How Government Accountability, Efficiency, and Fairness Relate to Domestic Terrorism. Annual Meeting of American Sociological Association ASA (virtual).</p> <p>November 2019, Countering Violent Extremism: A Quest for Legitimacy and Effectiveness. Annual Meeting of the American Society of Criminology ASC in San Francisco, US.</p> <p>February 2019, Keynote speaker at the Policing and Society Conference, University of Akureyri in Akureyri, Iceland.</p> <p>April 2018, Strategies to Counter Violent (Islamist) Extremism. A German Case Study. Regards croisés sur la prévention de la radicalisation violente. Science Po, Paris, France (invited speaker).</p> <p>December 2016, Religion and National Identification, Variations Across two Countries (France, Germany). Together with Sebastian Roché. Violent Radicalization Conference in Grenoble, France.</p> <p>September 2016, Youth-Police Interaction in a Multi-Ethnic Society. RC33 Conference on Social Methods in Leicester, United Kingdom.</p> <p>March 2015, Attitudes towards the Police in two EU Countries. Together with Sebastian Roché, International Conference on Citizen Police Relations in Paris, France (invited speaker).</p> <p>February 2015, What Matters in Juveniles' Encounters with the Police. Congreso Internacional de Seguridad, Justicia Y Sistema Penal at the University of Valencia in Valencia, Spain (invited speaker).</p> |
| Selected Coverage          | Media | <p>September 2020, The Economist, A new global ranking of cyber-power throws up some surprises.</p> <p>September 2020, Vavra, S., Cyberscoop, Chinese cyber power is neck-and-neck with the US, Harvard research finds. Cyberscoop.</p> <p>Summer 2020, Gibbons, C., Belfer Center for Science and International Affairs Newsletter, Anina Schwarzenbach: Linking Discrimination, State Institutions and Violent Extremism.</p>  |
| Invited Speaker and Expert |       | <p>March 2024, Digital Spaces. Symposium on Attachment to Places in a World of Nations. Boston College, Newton, US.</p> <p>June 2022, invited academic expert to the Association for Progressive Communications (APC) Workshop on Integrating Gender Perspectives into National Cyber Policies.</p> <p>February 2022, invited academic expert to the World Economic Forum (WEF) Cyber Resilience Index Workshop.</p> <p>March 2021, invited expert to the Microsoft and IEP Symposium on Measuring Cyber Peace.</p> <p>November 2020, invited speaker to the Webinar on Ethics, Values and Tech, Indiana University (with Simon Jones).</p>  |

October 2020, briefing of the Harvard Belfer National Power Index 2020 for the NATO, (together with Julia Voo, Simon Jones, Irfan Hemani, and Winnona de Sombre).

November 2019, invited expert to the annual Global Cybersecurity Day Symposium for 2019, Harvard University.

July 2018; Invited expert to Countering Violent Extremism and De-Radicalization Measures in Europe and the MENA Region; Mediterranean Dialogues; Italian Institute for International Political Studies and Italian Ministry of Foreign Affairs and International Cooperation, Rabat, Maroc.

January 2016, organizer of the Open Access in Legal Research Conference at the Max Planck Institute for the Study of Crime, Security and Law, Freiburg, Germany.

## SELECTED PROFESSIONAL DEVELOPMENT

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|----------------|---|
| March 2022     | Agent-based Modeling in the Social Sciences, GESIS Cologne, five-day workshop.  |
| October 2020   | Data Wrangling with R, Institute for Quantitative Social Science, Harvard University, one-day workshop.               |
| September 2020 | Python Web Scraping, Institute for Quantitative Social Science, Harvard University, one-day workshop..                |
| November 2018  | Structured Data, Databases, and SQL, Institute for Quantitative Social Science, Harvard University, one-day workshop. |
| March 2018     | Longitudinal Network Analysis Using R Siena, GESIS Cologne, two-day workshop.   |
| February 2018  | Spatial Analysis and Spatial Econometrics, GESIS Cologne, five-day workshop.  |
| March 2017     | Causal Analysis with Panel Data: Potentials and Limitations, GESIS Cologne, five-day workshop.                        |

## PROFESSIONAL SERVICE AND AFFILIATIONS

**Professional Service**     **Board member of the Academy of Sociology (AS) (since January 2024).** The AS is a professional scientific association promoting analytical-empirical social science. As board member, I promote the interdisciplinarity and internationality in the social sciences through cooperation with external partners, and representation of the organization nationally and internationally.

**Global Young Academy (GYA) member (appointed for a 5-year term starting in May 2024).** The GYA is an international society of young scientists that aims to promote inclusivity and science for the future. Membership is capped at 200 and is offered competitively based on scientific excellence and commitment to engage with society. I represent Switzerland at the GYA.



## Professional Memberships

Digital Society Initiative (DSI); Academy of Sociology / Akademie Soziologie (AS); Swiss Association for Natural Language Processing (SwissNLP); Modelling and Simulation Section of the Deutsche Gesellschaft für Soziologie (DGS); Political Sociology Section of the Deutsche Gesellschaft für Soziologie (DGS); Social Networks Research Section of the Deutsche Gesellschaft für Soziologie (DGS); European Sociological Association (ESA); Wolfson College, University of Cambridge, UK; Harvard International Security Program Alumnus; Harvard Cyber Power Project Alumnus; Max Planck Society Alumnus

## Ad Hoc Journal Reviewer

Oxford Research Encyclopedia of International Studies; International Security; Justice Quarterly; Political Violence; Cyber Policy Journal; Monatsschrift für Kriminologie

## SKILLS

### Technical Skills

|                                |           |
|--------------------------------|-----------|
| Programming Languages:         | R, Python |
| Data and Statistical Analyses: | R, Stata  |
| Version Control:               | Git       |
| Document Preparation:          | LaTeX     |

### Languages

|          |  |
|----------|--|
| German:  | native speaker   |
| Italian: | native speaker   |
| English: | highly proficient  |
| French:  | highly proficient in reading and speaking, moderate writing skills |
| Spanish: | basic reading and speaking skills                                  |

## REFERENCES

- 1 Ben Jann, PhD; Professor of Social Stratification  
University Bern, Institute of Sociology  
Fabrikstrasse 8, 3012 Bern, Switzerland  
+41 31 684 48 31; ben.jann@unibe.ch
- 2 Steven E. Miller, PhD; Director, International Security Program; Editor-in-Chief International Security; Co-Principal Investigator, Project on Managing the Atom  
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