Caitlin C. Corrigan, Ph.D.

c.corrigan@tum.de

EDUCATION

University of Pittsburgh   2016
Graduate School of Public and International Affairs
PhD
Comprehensive Exams: International Development and Foreign and Security Policy
Dissertation: The Politics of Privatizing Governance: The Political and Institutional Determinants of Corporate Social Responsibility in Africa
Committee: Ilia Murtazashvili (chair), Louis Picard, Laura Paler and Jennifer Murtazashvili
Special Awards: 2016 Doctoral Program Faculty Award for the outstanding dissertation in the academic year

Technical University of Dresden   2011
Center for International Studies (ZIS)
Masters of International Relations
Focus: Global Political Economy
Thesis: Breaking the Resource Curse: Transparency in the Natural Resource Sector and the Extractive Industries Transparency Initiative
Advisor: Marcel Thum; *Outside Reader*: Matthias Basedau

University of Hamburg   2009
Institute for Peace and Security Studies
Masters of Peace and Security Studies
Focus: International Peace and Security Studies; Economic Globalization and Conflict
Thesis: European Union Policy on Cocaine Trafficking and the Substitution Effect
Advisor: Michael Brzoska; *Outside Reader*: Andreas Mehler

Carnegie Mellon University   2008
Bachelors of Science
Majors: Political Science and International Relations
Minor: German
Special Awards: Graduated with college Honors

National University of Ireland, Galway   2006
Study Abroad Semester
Focus: Irish History and European Union

EXPERIENCE

Research Management and Consulting

January 2021 – Present
Executive Director – Institute for Ethics and Artificial Intelligence (IEAI), Technical University of Munich (TUM)
- Development, coordination and management of all researcher and administrative activities related to the IEAI
- Lead-role for IEAI content development and production of IEAI research publications
- Direct supervision of IEAI-based research projects (co-principle investigator) on:
    - The Potential for AI in the Extractive Industries to Promote Multi-objective Optimization, Awarded to C. Corrigan, S. Ikonnikova and W.T. de Vries), 2022-2025
    - Public Trust in AI and the Ethical Implications: A Comparative Study of Governmental Use of AI During the Covid-19 Pandemic (with C. Lütge), 2020-2021
    - Building Strategic Partnerships to Understand Ethics and the Use of AI to Manage Health Related Crises (with C. Lütge), 2020-2021
- Oversight of day-to-day operations, including managing staff, event and workshop planning and coordinating with actors across the university
- Strategic development of IEAI partnerships and academic networks

August 2019 – December 2020
Scientific Coordinator – Institute for Ethics and Artificial Intelligence (IEAI), Technical University of Munich (TUM)
- Development, coordination and management of all research activities related to the IEAI
- Lead-role for IEAI content development and production of research publications
- Oversight of day-to-day operations, including managing staff, event and workshop planning and coordinating with actors across the university
- Strategic development of IEAI partnerships and academic networks

November 2020 – January 2021
Non-Resident Fellow for the European AI Policy Network, Oxford Internet Institute, University of Oxford
- Developed white paper on "Lessons Learned from Co-Governance Approaches – Developing Effective AI Policy in the EU"

October 2015 – Present
Owner, Director of Research – Research Group for Sustainable Impacts – RG-SI (www.rg-si.com), LLC
- Artificial Intelligence Governance In Europe Research Project (November 2019 - March 2020)
- Evaluation Systems Development for Emergency Management (Brother's Brother Foundation) - Data collection and evaluation system development for a rapid response initiative (November 2018 - Present) (with Leslie Marshall)
- Evaluation Training for Nonprofits (Carnegie Libraries of Pittsburgh): *Measuring Impacts: Support Your Organization's Mission with Data* (December 2018) (with Leslie Marshall)
- Revenue Transparency Impact Assessment (ONE Campaign): Statistical analysis of the benefits of the Extractive Industries Transparency Initiative (October 2015 - February 2016)

October 2017 – July 2018
Program Development Manager – African Studies Program, University Center for International Studies, University of Pittsburgh
- Development, coordinating and writing of proposals for projects and grants
- Building and managing grant and operational budgets
- Coordination of ongoing projects/research for within and between the African Studies Program and Initiative for Effective Governance
- Graduate student advising and program administration

September 2015 – August 2017
Research Associate, Governance Group/Initiative for Effective Governance - Graduate School of Public and International Affairs, University of Pittsburgh
- Writing and coordinating of bids of various projects and grants
- USAID Project: Democracy, Rights and Governance Aid Impact Study
- Book Project: "The State Transformed? Negotiations, Liberalism and Democracy in Post-Apartheid South Africa" (co-author)
- Program Evaluation Project: Evaluating Legal Institutional Reforms in Countries with Weak Rule of Law, Governance Group, supported by the Integrated Social Science Research Initiative, Office of the Provost, University of Pittsburgh

September 2015 – June 2016
Co-director, Working Group on Corporate Social Responsibility, Ford Institute for Human Security, Graduate School of Public and International Affairs, University of Pittsburgh

July 2015 – December 2015
Online Resource Developer/Editor, Oxford University Press, Human Rights: Politics and Practice, 3rd edition

September 2011 – May 2015
Graduate Student Assistant
University of Pittsburgh, Graduate School of Public and International Affairs
- Assisted professors with their research analysis, edited academic articles, compiled literature reviews and data for various projects and co-published article on fracking in Africa.
- Research methods/tasks include: content analysis; survey design with Qualtrics; data management of geo-coded violence data in GIS and for statistical analysis; management of other large-scale statistical data.

June 2013 and July 2014
Intern and visiting researcher at the Graduate School of Public and Development Management, University of the Witwatersrand, Johannesburg

February- July 2009 and July 2011
Intern at the Centre for European Peace and Security Studies (ZEUS), Institute for Peace Research and Security Studies at the University of Hamburg
March 2010
Intern at the Center for the Study of African Economies with Dr. Anke Hoeffler, Department of Economics at Oxford University

March 2008 – September 2008
Associate Editor "Encyclopedia of World Cultures" Europe Volume, Lincoln Library Press, Inc.

Teaching

August 2016 – May 2019
Instructor, Graduate School of Public and International Affairs, University of Pittsburgh
- Spring/Summer/Fall, 2016-2019 – Introduction to Public Service (online-based)
- Fall 2016 – Introduction to Public Service (classroom-based)

July – August 2015
Instructor, Community College of Allegheny County
- Summer 2015 – Western Civilization II

Guest Teaching and Academic Lectures

March 2022 - 'Ethical AI and Sustainable Development – Opportunities and Challenges' Technical University of Munich, Center for Digital Technology and Management - Trend Seminar 'Tackling Climate Change in the AI Era'

April 2021 – 'Ethical AI and Sustainable Development – Opportunities and Challenges' Technical University of Munich, Sustainable Resource Management Talks

December 2018 – 'Designing and Implementing Project-based Monitoring and Evaluation' University of Pittsburgh, Graduate School of Public and International Affairs, Project Management (with Leslie Marshall)

November 2017 – 'Qualitative Approaches to Program Evaluation' University of Pittsburgh, Graduate School of Public and International Affairs, Program Evaluation

April 2015 – 'The Root Causes of Poverty in South Africa Today - Mineral Mining, Labor and Social Upheaval' – Winchester Thurston School

March 2015 – 'Regulatory Institutions and Mining in Africa' – Duquesne University, Comparative Policies in Developing Countries

February 2015 – 'The Politics of Social Responsibility in Mining: Lessons from Southern Africa' University Center for International Studies, Let's Talk Africa Series

November 2014 – 'Resource Curse or Resource Blessing?' – University of Pittsburgh, Introduction to Global Studies

November 2014 – 'Corporate Social Responsibility in Southern African Mining Industries' – African Heritage Committee Classroom

TOPICAL INTERESTS AND EXPERTISE

Alternative/non-state governance; corporate social responsibility; sustainable development; AI governance and AI for good; impact and evaluation; political institutions and governance; corruption; inclusion; politics of sub-Saharan Africa; extractive industries; natural resource management; resource curse; conflict resources; international development policy; human security.

SCHOLARLY WORK

Peer Reviewed Articles

"AI-powered Public Surveillance Systems: why we (might) need them and how we want them." *Technology in Society*. 2022 (with C. Fontes, E. Hohma, C. Lütge).

"Individuality and fairness in public health surveillance technology: A survey of user perceptions in contact tracing apps" *IEEE Transactions on Technology and Society*. 2022. (with E. Hohma, R. Burnell and C. Lütge).

"Lessons Learned from Co-Governance Approaches – Developing Effective AI Policy in the EU." *Digital Ethics Lab Yearbook*. 2022. (Forthcoming)

"Deriving Social Benefits from Mining through Regulation: Lessons Learned in South Africa." *The Extractive Industries and Society* 6(3): 940-947. 2019.

"Governing Unconventional Oil and Gas Extraction: The Case of Pennsylvania." *Review of Policy Research* 36(1): 75-98. 2019 (with B.A. Chalfant).

"Corporate Social Responsibility and Local Context: The Case of Mining in Southern Africa." *Resources Policy* 55: 233-243. 2018.

"The Effects of Increased Revenue Transparency in the Extractives Sector: The Case of the Extractive Industries Transparency Initiative." *The Extractive Industries and Society* 4(4): 779-787. 2017.

"Governance of Hydraulic Fracturing in Southern Africa." *Governance in Africa* 2(1). 2015 (with I. Murtazashvili).

"Breaking the Resource Curse: Transparency in the Natural Resource Sector and the Extractive Industries Transparency Initiative." *Resources Policy* 40: 17-30. 2014.

"Opportunities vs. State Capacity and Civil War Onset." *Pitt Policy Journal* 5: 94-123. 2013.

Policy Publications and Reports

"A Robotic New Hope: Opportunities, Challenges and Ethical Considerations of Social Robots" IEAI Research Breif (April). 2021. (with A. Boch and L. Lucaj)

"Lessons Learned from Co-Governance Approaches – Developing Effective AI Policy in the EU" *A White Paper for the European AI Policy Network (EAIPN)*. 2021.

"The Potential for AI in Implementing the Green Deal and Ethical Implications." *IEAI Research Brief* (August). 2020. (with L. Lucaj)

"Ethics and the Use of AI-based Tracing Tools to Manage the COVID-19 Pandemic." *IEAI Research Brief* (June). 2020. (with A. Boch)

"Ethical Implications of the Use of AI to Manage the COVID-19 Outbreak." *IEAI Research Brief* (April). 2020. (with L. Lucaj)

"The Effects of Increased Revenue Transparency in the Extractives Sector on Economic Growth." S*ubmitted to the U.S. Securities and Exchange Commission for consideration as part of the implementation of Section 1504 of the Dodd-Frank Wall Street Reform and Consumer Protection Act. 2016.*

"Corruption and the Extractive Industries in Africa." *African Research Initiative Newsletter*. National Intelligence University. October 2015.

"Tasking N048: Concept Note - Effects of U.S. Foreign Assistance on Democracy Building." *United States Agency for International Development (DRG-LER)*. USAID Contract Number GS-10F-0033M/AID-OAA-M-13-00013. NORC. Submitted January 2017 (with S. Finkel, A. Péréz-Liñan and C. Belasco)

"Midline Report for Impact Evaluation of The Peace through Development Program II (P-DEV II) in Chad, Niger, and Burkina Faso." *United States Agency for International Development*. USAID Contract Number GS-10F-004N/AID-624-M-13-00001. The Mitchell Group, Washington, D.C. Submitted June 2016. (with S. Finkel, C. Belasco and M. Neureiter)

"Comprehensive Institutional Inventory for First- and Second-tier Partner Organizations." USAID Contract Number GS-10F-004N/AID-624-M-13-00001. Submitted September 2015. (with L.A. Picard, B. Walker, C. Gockowski, L. Angelo, B. Peters and C. Belasco)

Books and Book Chapters

*Handbook of Digital Ethics, Edited Volume. (*Editor, with C. Lütge, A. Kriebitz, R. Max) (under contract with : Edward Elgar Publishing Ltd)

AI Ethics in Higher Education: Insights from Africa and Beyond, Edited Volume. (Editor, with S. Asakipaam, J.J. Kponyo, C. Lütge) (in production with *Springer Press*)

The State Transformed?: A Political History of Liberalism and Democracy in South Africa (with Louis Picard and Thomas Mogale) (under review *UNISA Press*)

"Fracking in Africa" In: *Energy Portfolio and Security: How Much Shale Could Change across the Globe,* Bill Hefley and Yongsheng Wang (eds.). 2016 (with I. Murtazashvili).

Reviews

"Review: Michael Brzoska, Hans-Georg Ehrhart and Jens Narten, Multi-Stakeholder Security Partnership: A Critical Assessment with Case Studies from Afghanistan, DR Congo, and Kosovo, Baden-Baden,(Nomos Verlag), 2011." *Security and Peace* 30(1): 67-68. 2012.

Conference Presentations

"Protecting Wildlife in Spite of the State: An Examination of Anti-Poaching Efforts in Africa." December 2016, *African Studies Association Conference.*

"Corporate Social Responsibility and the State: A Typology of State Control of Corporate Investments in Mining Communities in Africa." March 2016, *International Studies Association Conference.*

"Protecting Wildlife in Spite of the State: An Examination of Anti-Poaching Efforts in Africa." March 2016, *International Studies Association Conference.*

"Corporate Social Responsibility and the State: A Typology of State Control of Corporate Investments in Mining Communities in Africa." November 2015, *African Studies Association Conference* (Panel Chair)

SUCCESSFUL PROJECT AND SCHOLARSHIP FUNDING

Project Funding, The Potential for AI in the Extractive Industries to Promote Multi-objective Optimization, Awarded to C. Corrigan, S. Ikonnikova and W.T. de Vries), Institute for Ethics in Artificial Intelligence, Technical University of Munich, 2022

Project Funding, Data4COVID19 Africa Challenge, Awarded to Université Alioune Diop de Bambey and Institute for Ethics in Artificial Intelligence, Technical University of Munich, 2021

Fellowship Funding, European AI Policy Network Fellow, Oxford Internet Institute, Oxford University November 2020 – January 2021

Project Funding, Global Incentives Fund (Responsible AI Network- Africa), Awarded to Institute for Ethics in Artificial Intelligence, Technical University of Munich, 2019/20

Project Funding, Social Science Research Initiative (Evaluation Girls of Steel Pre College Program), Awarded to School of Education and Initiative for Effective Governance, University of Pittsburgh, 2018/19

Project Funding, Central Research Development Fund (Gender Based Violence in Uganda), Awarded to African Studies Program/GSPIA, University of Pittsburgh, 2018/20

Student Scholarship Funding, Year of Health U, Awarded to the African Studies Program, University of Pittsburgh, 2017/18

Dissertation Funding, Wendell Wray Memorial Award, Nationality Rooms Scholarship, University of Pittsburgh, 2014

Dissertation Funding, International Studies Fund, University Center for International Studies, University of Pittsburgh, 2014

Tuition Waiver, Workshop: Reversing the Resource Curse, Central European University, Budapest Hungary, 2014

Dissertation Funding, GSPIA Professional Development Fund, University of Pittsburgh, 2013 and 2015

Graduate Assistantship and Tuition Waiver, University of Pittsburgh, 2011-2016

Graduate Study Scholarship and Stipend, DAAD, 2008-2009

Summer Language Study Scholarship, Max Kade Award, Carnegie Mellon University, 2007 and 2008

FIELDWORK AND EXPERIENCE ABROAD

July – August 2014, *Botswana & South Africa,* PhD Dissertation Field Research

May – June 2013, *Botswana & South Africa,* Preliminary PhD Dissertation Field Research

June – July 2007 & June 2008, *Freiburg, Munich & Bonn, Germany,* Goethe Institute: Intensive German language program

PROFESSIONAL SERVICES, MEMBERSHIPS AND SKILLS

Membership: International Diversity in Artificial Intelligence Observatory – Advancing Women in AI (Advisory Board Member)

Editor: IEAI Research Brief Series (head editor); Data Analytics for Social Impact (editorial board)

Referee: The Extractive Industries and Society; Resources Policy; Journal of Development Studies; Journal of Cleaner Production; International Political Science Review; Business & Society; Journal of International Development

Training: Reversing the Resource Curse: Theory and Practice 2014 – Revenue Watch Institute and the Natural Resource Charter, Central European University, Hungary, March/April 2014
Achievement in Pedagogy, University of Pittsburgh, December 2016
Language Skills: English – Native
German – Proficient (Test DAF, 2009, German language university entrance exam)

Computer and Research Skills: Proficient with Word, Excel, PowerPoint, ArcGIS10, Atlas.ti, Qualtrics, Concur, STATA and SPSS. Knowledge of statistical, internet-and journal based, evaluation and qualitative research methods. Experience with building and managing major research and grant budgets.