

Caitlin C. Corrigan, PhD

Executive Director

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Experience

Technical University of Munich / Executive Director, Institute for Ethics in Artificial Intelligence (IEAI)

Jan 2021 - PRESENT, Munich, Germany

- Responsible for overseeing 13 staff, administrative decision making, and the coordination of over a dozen projects with over 40 affiliated researchers
- Key role in the strategic development of IEAI's research profile, communications strategy, partnerships and academic networks, including successfully bringing in project funding from multiple competitive funding programs (successful grant application list available upon request)
- Co-founder of the Responsible AI Network - Africa
- Spokesperson for the institute, including being recently named in the top 10 of the 100 "Women in AI Ethics", 2022; acting as advisory board member, International Diversity in Artificial Intelligence Observatory - Advancing Women in AI

Technical University of Munich / Scientific Coordinator, Institute for Ethics in Artificial Intelligence (IEAI)

Aug 2019 - Dec 2020, Munich, Germany

- Development, coordination and management of all research activities for the IEAI
- Lead-role for IEAI content development and production of research publications
- Oversight of day-to-day operations, including managing staff of 4, event and workshop planning and coordinating with actors across the university
- Strategic development of IEAI partnerships and academic networks

Association for Computing and Philosophy / Non-Resident Fellow, European AI Policy Network

Nov 2020 - Jan 2021

Research Group for Sustainable Impacts / Owner, Director of Research

Oct 2015 - PRESENT

Worked with nonprofits in Pittsburgh and Washington D.C. to provide data collection solutions, training in evaluation and monitoring methods and policy relevant research outputs.

University of Pittsburgh / Instructor, Graduate School of Public and International Affairs

Aug 2016-May 2019

University of Pittsburgh / Program Development Manager, African Studies Program

Oct 2017-July 2018

Responsible for overseeing several student assistants and designing strategy for research and grant proposals for the expansion of the program/center.

University of Pittsburgh / Research Associate, Governance Group/ Initiative for Effective Governance

Sept 2015 -Aug 2017

University of Pittsburgh / Co-Director, Working Group on Corporate Social Responsibility, Graduate School of Public and International Affairs

Sept 2015 -June 2016

University of Pittsburgh / Graduate Student Research Assistant, Graduate School of Public and International Affairs

Sept 2011 - May 2015

University of Witwatersrand / Intern and Visiting Researcher, Graduate School for Public and Development Management

June 2013 and July 2014, South Africa

University of Hamburg / Intern, Center for European Peace and Security Studies (ZEUS), Institute for Peace Research and Security Studies (IFSH)

Feb-July 2009, July 2011

Oxford University / Intern, Center for the Study of African Economies

March 2010

Education

University of Pittsburgh / PhD, Public and International Affairs

2011 - 2016, Pittsburgh, PA, USA

2016 Doctoral Program Faculty Award for the outstanding dissertation in the academic year

Technical University of Dresden / M.A. International Affairs

2009 - 2011, Dresden, Germany

University of Hamburg, Institute for Peace Research and Security Studies (IFSH) / M.A. Peace and Security Studies

2008 - 2009, Hamburg, Germany

Carnegie Mellon University / B.S. Political Science and International Relations, Minor-German

2004 - 2008, Pittsburgh, PA, USA

Graduated with University Honors

Other Skills

Research Skills: Knowledge of statistical, internet-and journal based, evaluation and qualitative research methods. Significant experience with project planning, including timeline, budget, goal and methods development.

Language Skills: English – native; German – fluent

Computer Skills: Microsoft Office and Google suites, ArcGIS, Atlas.ti, Qualtrics, Concur, STATA and SPSS.

Awards: Top 10 of the 100 “Women in AI Ethics”, 2022; Advisory Board Member, International Diversity in Artificial Intelligence Observatory – Advancing Women in AI; 2016 Doctoral Program Faculty Award for the outstanding dissertation in the academic year, University of Pittsburgh; Awarded University Honors at graduation, Carnegie Mellon University; Full list of successful grant applications available upon request.

Publications

Peer Reviewed Articles

A review of the Use of AI in the Mining Industry: Insights and Ethical Considerations for Multi-objective Optimization, *Extractive Industries and Society*, 2024.(with Ikonnikova, S.)

Invigorating Ubuntu Ethics in AI for healthcare: Enabling equitable care. Accepted *ACM Conference on Fairness, Accountability, and Transparency*. 2023 (with L.M. Amugongo and N.J. Bidwell).

Governing AI during a pandemic crisis: initiatives at the EU level. *Technology in Society*. 2023 (with C. Fontes & C. Lütge).

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. *Yearbook of the Digital Ethics Lab*. Springer. 2022.

- 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.
- The Politics of Privatizing Governance - The Political and Institutional Determinants of Corporate Social Responsibility in Africa. *University of Pittsburgh, PhD Dissertation*. 2016.
- 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*
- AI For Human Security – Applications and Ethical Considerations. *IEAI Research Brief*. Q1, 2024.
- The Use of AI in the Mining Industry – Insights and Ethical Considerations. *IEAI Research Brief*. December 2022. (with P. Laye)
- Reflecting on AI ethics – Perspectives from the Global AI Ethics Consortium. *IEAI Research Brief*. October 2022. (with A. Aritzi)
- On a Risk-Based Assessment Approach to AI Ethics Governance. *IEAI White Paper*. June 2022. (with C. Lütge, E.Hohma, A. Boch, F. Poszler)
- A Robotic New Hope: Opportunities, Challenges and Ethical Considerations of Social Robots. *IEAI Research Brief*. 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. *Submitted 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. Pérez-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. Springer. (Editor, with S. Asakipaam, J.J. Kponyo, C. Lütge) 2023 (forthcoming)

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).

**Selected
Speaking
Engagements**

June 2024 - 'Contextualising Digital Transformation in Mining' Mining Forum Berlin

June 2024 - 'AI Ethics - Embracing Complexity', Taltech Day, Tallinn University of Technology

May 2024 - 'Collective AI for Impact', AI for Good Summit 2024

February 2024 - KIPP/PACT Talks - AI Ethics and Human Security

September 2023 - 'AI & Design,' Gofore Meets

September 2023 - 'Global Perspectives on AI Ethics' and 'What's Next For Responsible AI?,' The Responsible AI Forum

June 2023 - 'Poly crisis vs. poly chances—sustainability of our AI & robotics solutions,' Munich_i, automatica

May 2023 - 'Chat GPT will Change Everything,' American German Business Club -Munich

May 2023 - 'Research cooperation on ethical AI between Germany and African countries – An instrument to decolonise AI and to strengthen digital sovereignty?' Bonn Sustainable AI Conference

May 2023 - 'Responsible AI: From concept to practice,' Webinar with Access Partnership

March 2023 - 'The Potential for AI in the Extractive Industries to Promote Multi-objective Optimization,' Responsible AI Conference,, Kwame Nkrumah University of Science and Technology, Ghana

February 2023 - 'The Potential for AI in the Extractive Industries to Promote Multi-objective Optimization,' World AI Festival Cannes, Start Up Stage

November 2022 - 'Wissenschaftliche Kooperationsformate für ethische KI-Entwicklung in Afrika,' UNESCO Workshop: 'Ethische KI in Afrika: Welche Rolle kann die deutsche Entwicklungs- und Forschungspolitik spielen?'

October 2022 - 'The Potential for AI in the Extractive Industries to Promote Multi-objective Optimization,' TUM Sustainability Day, Technical University of Munich

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

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

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

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

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

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

February 2015 – ‘The Politics of Social Responsibility in Mining: Lessons from Southern Africa’ Let’s Talk Africa Series, University of Pittsburgh

Successful Project and Scholarships Funding

EU Horizons Funding for MSCA-Doctoral Network (alignAI), Awarded to IEAI as lead of consortium, 2024

TUM Project Week Funding, Awarded to The Potential for AI in the Extractive Industries to Promote Multi-objective Optimization project team, 2024

Project Funding, Global Incentives Fund (Workshop on Responsible AI at KNUST in Ghana), Awarded to Institute for Ethics in Artificial Intelligence, Technical University of Munich, 2023

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