

Ethics & Artificial Intelligence

Designing the Future of Humanity

BerkeleyHaas

Wed 12:30-3:30pm

3 units



Course Description: Artificial intelligence and the autonomous systems that embed it have become the brains of the modern data economy. They have started to reshape human values, trust, and power around the world. Whether in medicine, money, or love, technologies powered by forms of AI are playing an increasingly prominent role in our lives. New AI technologies can help drive cars, treat damaged brains and nudge workers to be more productive, but they also can threaten, manipulate, and alienate us from others. They can pit nation against nation, but they also can help the global community tackle its greatest challenges from food crises to climate change. As we cede more decisions to thinking machines, we face new questions about staying safe, keeping a job and having a say over the direction of our lives. How AI evolves and what role it takes in our lives - either for better or for worse - might depend on our race, gender, age, behavior, cognitive capacity or nationality. This presents manifold ethical and cross-cultural dilemmas. Students – as critical change makers -- will learn about these issues and the principles of responsible design and governance structures to mitigate them and turn them into opportunities for enrichment of society.

Guest Speakers: We will bring AI's potential to life throughout this journey by bringing to you senior experts and entrepreneurs as guest speakers! Speaker candidates from the instructor's network include a head of AI at World Economic Forum, a leader at Center for Humane Technology, a head of AI research center, heads of AI R&D and futures of a big tech company, CEOs of AI startups, and authors of AI books.

Course topics

- (1) The Global AI Innovation Landscape
- (2) What AI can and cannot do
- (3) The ethics of machines
- (4) Brain-computer nexus
- (5) Global AI-driven platforms
- (6) AI-driven privacy-assured data trading
- (7) AI and the Future of Work
- (8) AI and fragility in societal systems
- (9) AI governance for ethics and human-centricity
- (10) Organizational AI Readiness
- (11) Corporate oversight & governance
- (12) Human-centric use case design
- (13) AI for Good
- (14) Human-centric use case clinic
- (15) Final client presentations

Your instructor – Olaf Groth olaf.groth@berkeley.edu <https://www.linkedin.com/in/olafgroth/>



Olaf is a member of the Professional Faculty for International Business & Policy, Technology and Strategy at Berkeley Haas, and a Professor of Practice for Global Strategy, Innovation & Economics, Digital & Disruption Futures at Hult Int'l Business School. Olaf is CEO of [Cambrian.ai](https://www.cambrian.ai), a think-tank which advises corporate, government and foundation clients on growth and resilience strategies and policies for initiating or adapting to deeptech innovation and disruption. He has 25 years of experience as an executive and adviser in innovation and tech focused multinationals (Vodafone, Boeing, Qualcomm), startups and consultancies. He is a member of the Global Expert Network for the 4th Industrial Revolution and of the project on AI Economic Futures at the World Economic Forum, a Visiting Scholar at UC Berkeley's Roundtable on the International Economy (BRIE) and its program Work with Intelligent Tools & Systems (WITS). Olaf is co-author (with Mark Nitzberg, UC Berkeley CHAI) of "[Solomon's Code: Humanity in a World of Thinking Machines.](#)" to be released as a paperback titled „*The AI Generation: Shaping Our Global Future With Thinking Machines*“ in July/August 2021. He

is also co-author (with Mark Esposito and Terence Tse) of the forthcoming book „*The Great Remobilization: Designing A Smarter World*,“ MIT Press.

Olaf regularly [gives keynotes](#) and is a frequent [contributor to media](#) outlets like WIRED, Financial Times, The Hill, Harvard Business Review, California Management Review, Quartz, FOCUS, Die Zeit, World Economic Forum, Huffington Post, Peter Drucker Forum, LSE, Today's CFO, Thunderbird International Business Review, World Financial Review, European Business Review, Roubini EconoMonitor, Duke CE Dialogue, Deutsche Well International, ABC 7 News, NPR, ZDF, and ARD. Olaf holds PhD & MALD degrees in international affairs with business, economics and technology focus from the Fletcher School at Tufts University, MAIPS & BA degrees with economics focus from Middlebury Institute of International Studies at Monterey. He studied negotiation at Harvard, economics at Georgetown, finance at Berkeley, leadership at the Center for Creative Leadership.