



## IEEE ETHICS-2023: Ethics in the Global Innovation Helix

18 -20 May 2023, Purdue University, West Lafayette, Indiana, USA

IEEE ETHICS-2023 will draw together the global community of technology and ethics practitioners and theoreticians from industry, academia, government, and civil society. Issues will be explored from industry, scientific and societal perspectives, in a global and multicultural manner. ETHICS-2023 is a conference of the IEEE Society on Social Implications of Technology (SSIT) (series originally launched in 2014). ETHICS-2023 is co-sponsored and hosted by the National Institute for Engineering Ethics in the School of Engineering Education at Purdue University, a leading land grant university with top-ranked engineering, technology, and computing programs, and an expansive portfolio of sponsored research and engagements in the ethics and policy realms. The triple helix model of innovation was introduced in the 1990s, developed to theorize and understand interactions between academia, industry, and government. Since then, scholars have expanded it to include additional strands or sectors, including society or the public (quadruple helix) and the natural environment (quintuple helix). The conference theme, “Ethics in the Global Innovation Helix,” underscores questions about the role and place of ethics and related concerns (e.g., social responsibility, social justice, regulatory compliance, etc.) in interactions between these strands, especially in ongoing processes of technology innovation, diffusion, evolution, and maintenance.

### Pre-Conference Workshop

Norbert Wiener Symposium: Discussion of the Future of Work

### Plenary Sessions

- Active Human Interface: Technology, Uncertainty, and Hope, Debbie Chachra (Olin College of Engineering)
- Ethical and Legal Frameworks for Automation, Iven Mareels (Institute of Innovation, Science and Sustainability, Federation University Australia)
- *Thinking Like an Engineer: Twenty-Five Years Later*, Michael Davis (Illinois Institute of Technology) plus three commentators

### Special Sessions (Panels)

- The Ethics of Weapons Technology Development
- Perspectives from Liberal Arts on the Practical Turn in AI Ethics
- The Role of Human Rights in the Global Helix for Technology Innovation and Justice
- The Arc of a Global Engineering Education
- Careers in Technology Ethics (Sponsored by SSIT Ethics Committee)
- The National Artificial Intelligence Initiative and The Ethics of AI
- 4 + 1: The Impacts of Academia, Industry, Government and Civil Society on Sustainable Development (Sponsored by IEEE TechEthics)
- Socially Responsible Innovation for Climate Change Mitigation and Adaptation (Sponsored by IEEE TAB Program on Climate Change)

### Workshops and Tutorials

- Exploring Mental Models of Ethics and Diversity, Equity, and Inclusion in Engineering
- Critical Design for Responsible Innovation
- I can't teach ethics, I'm not an ethicist: Transforming STEM ethics education begins with engaging faculty as ethical subjects
- AI Safety, Governance, and Alignment Tutorial
- STS Postures as a Framework for Teaching Ethics Throughout the Engineering Curriculum
- Taking “day to day” ethics seriously outside the academy: Experiences from STS and Communication (sponsored by the ASEE Liberal Education/Engineering & Society Division)

For More Information including Registration and Housing please visit the ETHICS-2023 Website:  
<https://attend.ieee.org/ethics-2023/>