Workshop: Building Inclusive Ethical Cultures in STEM

All times are in U.S. central standard time.

Register for free via Eventbrite.

Friday, April 23, 2021

Opening Remarks
Elisabeth Hildt, Center for the Study of Ethics in the Professions, Illinois Institute of Technology

Session 1
12:00-1:30 PM, CST
Chair: Chris Miller

Opening Remarks
Elisabeth Hildt

Embedded Discourse: Lab-Based Conversations about Ethical Practice
Dena Plemmons, Research Ethics Education Program, University of California Riverside, USA

Towards a Neuroethical Ethos: A Case Study in Reframing Neuroethics Education for Engineers and Researchers
Juhi Farooqui, Rehab Neural Engineering Labs, Carnegie Mellon University, USA
Sarah Dawod, University of Pittsburgh, USA
Devapratim Sarma, PhD, Carnegie Mellon University, University of Pittsburgh, USA
Josep-Maria Balaguer, University of Pittsburgh, USA

A Bottom-Up Approach to Building a Culture of Responsible Research and Practice in STEM
Elisabeth Hildt, Center for the Study of Ethics in the Professions, Illinois Institute of Technology, USA
Kelly Laas, Center for the Study of Ethics in the Professions, Illinois Institute of Technology, USA
Chris Miller, Savannah College of Art and Design, USA
Eric M. Brey, Department of Biomedical Engineering, University of Texas, San Antonio, USA
Laura Gaviria, Department of Biomedical Engineering, University of Texas, San Antonio, USA
Francisca Acosta, Department of Biomedical Engineering, University of Texas, San Antonio, USA
Building Connections Using Culturally Relevant Practices in STEM Departments
Karina Vielma, Department of Biomedical Engineering, University of Texas at San Antonio, USA

Discussion

Break 1:30-1:45 PM, CST

Session 2
1:45-3:15 PM, CST
Chair: Eric Brey

Publisher: Springer Humanities Books
Christopher Wilby, Springer Publishing, Netherlands
Floor Oosting, Springer Publishing, Netherlands

What Does it Mean to Embed Ethics in Data Science? An Integrative Approach Based on Microethics and Virtues
Emanuele Ratti, Institute of Philosophy and Scientific Method, Johannes Kepler University Linz, Austria

Embedding Moral Reasoning and Teamwork Training in Computer Science and Electrical Engineering
Alan P. Sprague, Department of Electrical & Computing Engineering, University of Alabama at Birmingham, USA
Raquel Diaz-Sprague, Department of Electrical & Computing Engineering, University of Alabama at Birmingham, USA

DigEsT: How Ethicists can Spearhead Digital Ethics Education in a Computing Department
Marc Cheong, School of Computing and Information Systems (CIS) / Centre for AI and Digital Ethics (CAIDE), University of Melbourne, Australia
Kobi Leins, School of Computing and Information Systems (CIS) / Centre for AI and Digital Ethics (CAIDE), University of Melbourne, Australia
Simon Coghlan, School of Computing and Information Systems (CIS) / Centre for AI and Digital Ethics (CAIDE), University of Melbourne, Australia

Discussion
Saturday, April 24, 2021

Session 3
9:00-10:30 AM, CST
Chair: Elisabeth Hildt

Philosophy in the Rainforest: Reflections on Integrating Philosophy and Fieldwork
Clair Morrissey, Department of Philosophy, Occidental College, USA

Integration of Ethics in STEM Education at Primary and Graduate Level: An initiative by the Unnat Bharat Abhiyan Program of Government of India
Virendra Kumar Vijay, Center for Rural Development and Technology, Indian Institute of Technology, Delhi, India
Manavee Singh, Center for Rural Development and Technology, Indian Institute of Technology, Delhi, India

Race Matters as a Matter of Ethics in Engineering and Technology: Reflections on exclusivity in device design
Rosalyn Berne, Department of Engineering and Society, University of Virginia, USA

Building Inclusive Cultures through Community Research
Jennifer Nyland, Department of Biological Sciences, Salisbury University, USA
Timothy Stock, Department of Philosophy, Salisbury University, USA
Michèle Schlehofer, Department of Psychology, Salisbury University, USA

Discussion

Break 10:30-10:45 AM, CST

Session 4
10:45-12:15 PM, CST
Chair: Kelly Laas

Inclusivity in the Education of Scientific Imagination
Mike Stuart, Center for Philosophy of Science, University of Geneva, University of Tuebingen, Switzerland/Germany
Hannah Sargent, PhD, Science, School of Physical Sciences, Open University, U.K.

Using a Brain Processes Map as a Framework to Strengthen Ethical Culture in Research Labs
J. Brooke Hamilton, EthicsOps.com, University of Louisiana at Lafayette, USA

Storytelling as Facilitation Tool for Inclusive Ethics Training
Marietjie Botes, IRiSC Sociotechnical Cybersecurity Interdisciplinary Research Group, SnT - Interdisciplinary Centre for Security, Reliability and Trust, University of Luxembourg, Luxembourg

Discussion
Lunch Break
12:15-1:00 PM, CST

Session 5
1:00 pm-2:30 PM, CST
Chair: Chris Miller

**Encouraging Transparency in Lab Safety via Teachable Moments and Positive Feedback**
*Melinda Box, Department of Chemistry, North Carolina State University, USA*
*Maria Gallardo Williams, Department of Chemistry, North Carolina State University, USA*

**Developing an Ethics Credential for Undergraduate STEM Majors**
*Alexandra Bradner, Department of Philosophy, Kenyon College, USA*
*Rebecca A. Bates, Department of Integrated Engineering, Minnesota State University, Mankato, USA*

**Social Responsibility Development in Undergraduate STEM Students: Influences and Inhibitors**
*Daniel Schiff, School of Public Policy, Georgia Institute of Technology, USA*
*Jason Borenstein, Graduate Research Ethics Programs, Georgia Institute of Technology, USA*
*Ellen Zegura, School of Computer Science, Georgia Institute of Technology, USA*

**Discussion**

**Closing Remarks and Next Steps**