

CIWESS SOCIO-ECONOMIC SEMINAR SERIES

Concordia University, Montreal, QC

Talk scheduled from 4:00 p.m. to 5:10 p.m., Location: EV 3.309

'Responsible Innovation and Real-Time Technology Assessment: Incorporating Ethical, Legal, and Social Implications into Engineering Design

Tuesday, February 6th 2018 Dr. Brandiff Caron, Assistant Professor, Concordia University



Dr. Caron is an Assistant Professor and Associate Chair in the Centre for Engineering in Society in Concordia's Engineering and Computer Science Faculty. He received his PhD in Science and Technology Studies from Virginia Tech in 2012. Since then, he has been teaching courses at Concordia in the ethical and societal implications of science and technology.

In 2017, Dr. Caron received Concordia's "President's Excellence in Teaching" award for "innovative excellence in teaching." His current research focuses on how graduate students studying synthetic

biology in Concordia's Centre for Applied Synthetic Biology frame the ethical and social implications of the technology they are creating.

Abstract: Responsible innovation is a conceptual framework developed by scholars from STS and technology policy to bring societal values to the forefront of the innovation process, as opposed to more traditional models of innovation that do not problematize the connection between innovation and societal benefits, and focus more narrowly on economic benefits.

A specific concept that guides this study is the idea of real-time technology assessment. This assessment mechanism provides engineers with the tools to: 1) anticipate plausible future sociotechnical scenarios connected to emerging technologies, 2) engage public and stakeholders about these scenarios, and 3) integrate the results of these into the innovation process to align the R&D practices that go into the creation of a new technology more closely with societal values.



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This seminar will introduce participants to this framework and provide a practical guide for implementing it in their own work.

For more information, contact Priyanka Pandey at programcoordinator@encs.concordia.ca , Tel: 514-848-2424, ext. 4250 .

