

**CSTHA XXII Biennial Conference:
Science, Technology, and History in Times of Crisis | Science,
technologie et histoire en temps de crise
5-6 November/Novembre 2021**

Please register here | Veuillez vous inscrire ici:

<https://ingeniumcanada.zoom.us/meeting/register/tZUoceyggjMqHNcRxTYt-JQuDJATTqOQGJOX>

Special Thanks / Remerciements



Program Committee/Comité organisateur:

**Will Knight, Blair Stein, Matthew Wiseman, Raphaël Pelletier, Erich Weidenhammer, and
Courtney Mrazek**

FRIDAY NOVEMBER 5th

Welcome | Bienvenue

10:00 – 10:10am

Dynamics of Scientific Disciplines | Les dynamiques des disciplines scientifique

10:15 – 11:45pm EST

Chair: Yves Gingras

La mise en place de l'évaluation par les pairs au *Canadian Journal of Research*, 1929-1951
Pierre-Luc Beauchamp

Une discipline en crise? Portée et contours de la géographie face aux institutions de sa pratique
au Québec (1980-2000)

Raphaël Pelletier*

Out of the Ivory Tower: The Patenting Activity of Canadian University Professors before the 1980s

Maxime Colleret*

Gerhard Herzberg: Investigating the Story Beyond the Prize

Denisa Popa* and Dimitry Zakharov*

Technology and the State | La technologie et l'État

12:00 – 1:30pm EST

Chair: Will Knight

A Better Class of Working Girls: Intersections of Class and Gender in Canadian Telegraph Operators, 1880-1910

Michael Feagan*

Delivering the Enlightenment: France's Population Crisis and the Technologies of Childbirth

Margaret Carlyle

The Advantages of Being Small: The Influence of Economic Size on Norwegian and Canadian Fisheries Biology

Jennifer Hubbard and Vera Schwach

Computing and Robotics | Informatique et robotique

1:45 – 3:15pm EST

Chair: Courtney Mrazek

Early Microcomputing, Labour Scarcity, and the Crisis of Home Assembly

Stephen Monteiro

AI and Sex Robots: An Examination of the History and Technologization of Sexuality

Keif Godbout-Kinney*

Changing Hands, Science and Design in a Crisis: Powered Hands in Canada, 1945-2020

David Foord

SATURDAY NOVEMBER 6TH

KEYNOTE SPEAKER | Conférencier d'honneur
9:00 – 10:30am EST

Scott G. Knowles, the Korea Advanced Institute of Science and Technology

Covid Disaster Time



The COVID-19 pandemic forces people to think about time differently. The uncanny experience of time slowing in lockdown; the terrifying rush of infection curves; and the ambiguous interval of vaccine production-- each of these "time zones" are set against the background slow disaster of climate change. This lecture considers the power of time as an ordering tool in disaster, and an engine of politics in the COVID Era.

Scott Gabriel Knowles is a Professor in the Graduate School of Science and Technology Policy at KAIST, the Korea Advanced Institute of Science and Technology, and is a historian of disaster worldwide. His research focuses on the historical processes that make disasters possible, and the application of history to reduce future disasters. Since March of 2020 Knowles has hosted #COVIDCalls every weekday, a live podcast discussion of the COVID-19 pandemic.

Technology, Medicine, and the Military | Technologie, médecine et forces armées

10:45 – 12:00pm EST

Chair: Matthew Wiseman

“Tedious and Painful”: The Medical Experiences of Shadrack Byfield, 41st Regiment of Foot in the War of 1812

Kaitlyn Carter*

Fighting the Invisible Enemy; The Role of Specialized Disease-Control Units of the Canadian Expeditionary Force, 1914-1919

Robert Smol*

Indigenous Wartime Initiative: The Ogbunigwe of Biafra, 1967-1970
Ugochukwu Ekemezie*

Infrastructures, Supply, and the State | Infrastructure, approvisionnement et État
12:15 – 1:45pm EST
Chair: Blair Stein

The Urban Governance of Energy Transitions: Lumber Yards and Gas Stations in Montréal, 1946-1960
Clarence Hatton-Proulx*

Industrial Transitions in the Black: US Government-Business Relations in the Mobilization of Carbon during World War II
David Foord

Colonial Science, Islamic Technoscience, and the Crisis of State in Postrevolutionary Iran (1980-1983)
Ata Heshmati*

Slogans in Your Mailbox: Canadian-American Postal Propaganda, Transnational Capitalism, and Technological Adaptation During Times of Crisis, 1898-1919
Robert O'Dell*

Aviation and Space | Aviation et espace
3:00 – 4:30pm EST
Chair: Erin Gregory

“It's Always June in January:” Trans-Canada Air Lines’ Sun Destinations, 1948-1955
Blair Stein

Technological Replicas and Historical Memory in Canadian Aviation
Erich Weidenhammer

Canada, PAXSAT, and the Prevention of War in Space
Shannon Brown*

Students For Space: Space Activism from the Era of Limits to the New Era of Spaceflight
Caitlin Fendley*

Public Health, Policies, and Medicine | Santé publique, politiques et médecine
4:45 – 6:00pm EST
Chair: Denisa Popa

“The most economical terms”: The Mi’kmaq and Health Care in Twentieth-Century Nova Scotia
Courtney Mrazek*

Science in a Crisis: Advising the UK Policy Response to Covid-19
Paul Atkinson

Psychic Injury and Somatic Change Entwined in Cinematic Depictions of Women Scientists at
the End of the World (pre-recorded)
Jeden Tolentino*

Closing Remarks | Mot de la fin

6:15 – 6:30pm EST

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