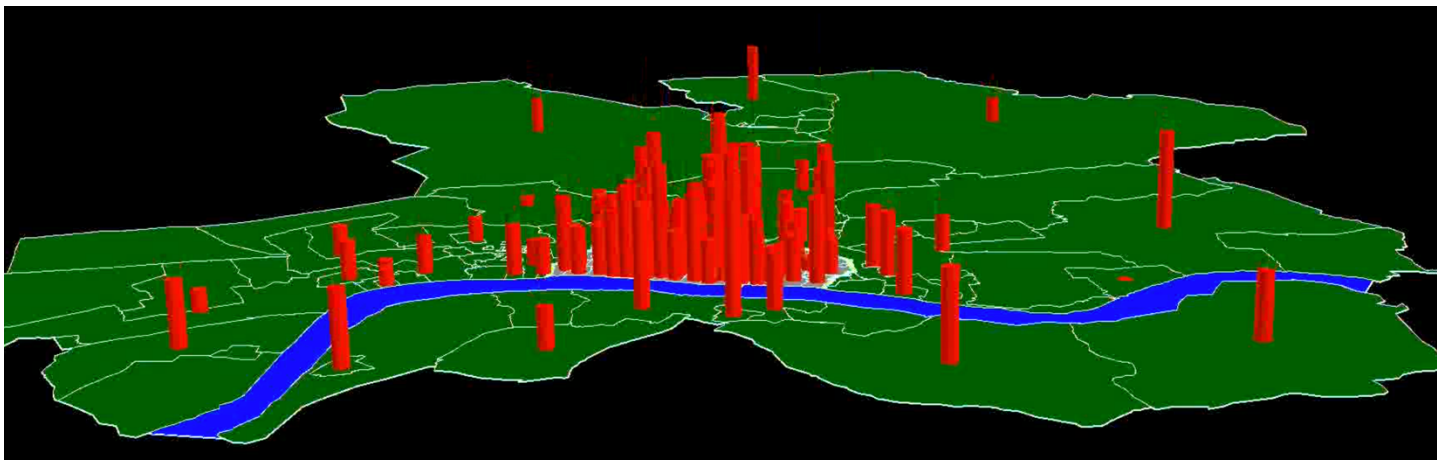


# Public Lecture



## "Learning from the pandemics of the last seven centuries"

Professor David J. D. Earn

*Tuesday September 20, 2022, 6:30pm*

*Biosciences Auditorium, Queen's University, 116 Barrie Street, Kingston, Canada*



**Abstract:** Historical records allow us to reconstruct patterns of disease spread in the past, in some cases going back hundreds of years. I will present data, going back as far as 1348, which we have acquired and studied at McMaster in the last few years. I will discuss insights obtained from mathematical modelling inspired by these data, and the opportunities we have to improve our understanding of plague, influenza, COVID-19, and other diseases that cause pandemics.



David Earn is a Professor of Mathematics and Statistics and the Faculty of Science Research Chair in Mathematical Epidemiology at McMaster University. He has been Chair of the Modelling Consensus Table of the Ontario Science Advisory Table for COVID-19. Modeling from his group has helped guide the governmental response to COVID-19.

Professor Earn is a recipient of the Canadian Applied and Industrial Mathematics Society Research Prize and is an Elected Fellow of the Canadian Academy of Health Sciences.

This lecture is presented as part of the Natural Sciences and Engineering Research Council of Canada's *Mathematics Literacy Week*. Attendance is free but please RSVP, using either the QR code or the link below.

<https://forms.office.com/r/DZMwV0nLGH>

