

Registration is now OPEN for

Health GIS: Spatial Thinking in Applied Research (STAR), a GIS Day Event

Summary

Please join us on Wednesday Nov 20th (11 am - 5 pm MST) for “Health GIS: Spatial Thinking in Applied research”, a GIS Day event aimed at promoting and showcasing GIS research in health and other applications. This event is organized by the Geography of Health research group within the O’Brien Institute for Public Health (OIPH). It is a free event open to anyone interested in spatial thinking in applied research.

[Register](#)

Agenda

- 11:00-11:05 Opening Remarks (Dr. Stefania Bertazon)
- 11:05-11:35 **Keynote:** [A map on the wall: Bringing geospatial data and technologies to the frontline of health programs](#) (Dr. **Rocco Panciera**, Geospatial Health Specialist - UNICEF)
- 11:35-12:00 **Keynote:** [Five Ways We Are Prepared for the Next Pandemic; Five Ways We Are Not; Five Ways GIS Can Help, Again](#) (Dr. **Nigel Waters**, Professor Emeritus of Geography, University of Calgary)

Lightning Talks (Moderator: Dr. Rizwan Shahid)

- 12:00-12:15 [Overview of Ground Versus Fixed-Wing Network Analysis for EMS Response](#) (Tyler Selby)
- 12:15-12:30 [Spatial Analysis of Health Infrastructure and Quality of Living Using GIS: A Case Study of Murshidabad District, West Bengal](#) (Manab Ghosh)
- 12:30-12:45 [Beyond Primary Care: Geographic Disparities in Childhood TB Services in Pakistan](#) (Aashifa Yaqoob)
- 12:45-1:00 [Alberta Environmental Public Health Information Network](#) (Dr. Erik Ellehoj)
- 1:15-1:30 [Geographic Insights into Asthma Management in Karachi: Utilizing GIS to Identify High-Risk Areas and Environmental Influences](#) (Dr. Imran Ahmed Khan)
- 1:30-1:45 [Exploring variation in cervical cancer screening participation at SLGA level in Alberta. Does it add value?](#) (Dr. Yuba Raj Paudel)
- 1:45-2:00 [Equity of physiotherapy accessibility in New Zealand: 3-step floating catchment area analysis](#) (Dr. Miranda Buhler)

2:00-2:10 BREAK

Lightning Talks (Moderator: Dr. Xiaoxiao Liu)

- 2:10-2:25 [Measuring the effect of sea level rise on healthcare accessibility in Southeastern coastal communities in the United States](#) (Olivia Kirkland)
- 2:25-2:40 [ICI Project: Individual-based epidemic propagation simulator based on a Digital Twin Project](#) (Maxime Colomb)
- 2:40-2:55 [A Novel approach to Spatial Accessibility: Supply Demand Optimization Assessment for Healthcare Facilities in China](#) (Dr. Shiyao Zhai)
- 2:55-3:10 [Utilizing GIS Microplanning Tool for Ensuring COVID-19 Vaccination Equity in Nigeria](#) (Cesar Vasquez)
- 3:10-3:25 [The Rural-Urban Divide: Geographical considerations of nonresponse bias on the implementation of an eHealth survey tool for cardiac patients in Alberta](#) (Maria Dalton)
- 3:25-3:40 [Utilizing GIS Spatial Analysis for Dietary Habits: The Road to Healthier Eating Programs](#) (Nuhcan Akcıt)
- 3:40-3:55 [Geography mediates cervical cancer screening in Alberta regardless of inflammatory bowel disease status](#) (Quinn Goddard)
- 3:55-4:10 [Exploring Associations between Crime Type and Mental Illness Cases Using Geographically Weighted Regression](#) (Yule Lu)
- 4:10-4:25 [Mapping Spatial Patterns of Child Labor in Sindh: Insights from Regression Analysis of MICS Data](#) (Nadia Maqbool)
- 4:25-4:40 [Mapping acute care hospital use in Ontario](#) (Brian Mosley)
- 4:40-4:55 Closing Remarks (Dr. Nigel Waters)