SpatialEpi 2021

Call for Papers

ACM SIGSPATIAL 2021

2nd ACM SIGSPATIAL International Workshop on Spatial Computing for Epidemiology

November 02, 2021 **Beijing, China (Virtual)**

The SpatialEpi 2021 workshop focuses on all aspects of modeling, simulating, mining, and understanding the spatial processes and patterns of the spread of COVID-19 and other infectious diseases. This cross-disciplinary workshop is a forum to bring together researchers in the SIGSPATIAL community as well as researchers in epidemiology to discuss new methodologies and frameworks for modeling and understanding the spread of COVID-19. Also, this workshop is of interest to everyone who works with infectious disease data and models (not necessarily COVID-19). In addition to paper presentations, the workshop will feature keynotes from experts in spatial computing and epidemiology.

The workshop seeks high-quality full (8-10 pages) and short (4 pages) papers that have not been published in other academic outlets to be peer reviewed. Once accepted, at least one author is required to register for the workshop and the ACM SIGSPATIAL conference, as well as attend the workshop to present the accepted work which will then appear in the ACM Digital Library.

Example topics include, but not limited to:

- Contact Tracing
- COVID-19 Data Cleaning and Wrangling
- COVID-19 Data Mining
- COVID-19 Data Query Processing
- COVID-19 Effects on Human Mobility
- COVID-19 and Human Behavior
- COVID-19 Simulation and Modeling
- COVID-19 and Social Media

- COVID-19 Tracking and Data Collection
- Disease Spread Simulation
- Managing Uncertainty in COVID-19 Data
- Mapping and Visual Analytics of COVID-19
- Prescriptive Analytics for COVID-19
- Socioeconomic Impact of COVID-19
- Spatial Analysis of COVID-19
- Spatially Explicit COVID-19 Prediction Models

Organization committee

General Chairs

Andreas Züfle

Program Chairs

Taylor Anderson
Jia Yu
Hamdi Kavak
Amira Roess

Program committee

TBD

Workshop information

Submission deadline

August 28, 2021

Author Notification

September 27, 2021

Workshop date

November 02, 2021

Workshop website

https://dataoceanlab.github.io/spatial-epi-2021/

Submission site

https://easychair.org/my/conference?conf=spatialepi21#

The SpatialEpi 2021 Workshop will be held in conjunction with the ACM SIGSPATIAL 2021 conference. Visit https://dataoceanlab.github.io/spatial-epi-2021/ to get more information about the conference.

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