SpatialEpi 2023

ACM SIGSPATIAL 2023

4th ACM SIGSPATIAL International Workshop on Spatial Computing for Epidemiology

November 13, 2023 **Hamburg, Germany**

The 21st century has seen major epidemics and pandemics caused by infectious diseases like coronaviruses, influenza, and most recently, monkeypox. The SpatialEpi 2023 workshop focuses on all aspects of data science and simulation to better understand the spatial processes and patterns of infectious diseases, to predict disease outcomes, and to develop tools that support and guide policy interventions. This workshop is a forum to bring together researchers in the SIGSPATIAL community as well as researchers in epidemiology to discuss new methodologies and frameworks that are truly interdisciplinary. 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
- Spatial Data Cleaning and Wrangling
- Spatial Data Mining
- Spatial Data Query Processing
- Disease Effects on Human Mobility
- Disease and Human Behavior
- Spatially Explicit Disease Simulation and Modeling

- Disease Tracking and Data Collection
- Managing Uncertainty in Spatial Data
- Mapping and Visual Analytics of Diseases
- Prescriptive Analytics for Disease Outbreak
- Socioeconomic Impact of Diseases
- Spatial Analysis of Disease Spread
- Social Media Data Mining

Organization committee

General Chairs
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Jia Yu

Workshop information

Submission deadline
August 22, 2023

Author Notification
September 22, 2023

Workshop date
November 13, 2023

Workshop website
https://azufle.github.io/spatial-epi-2023

Submission site
https://easychair.org/my/conference?conf=spatialepi23

The SpatialEpi 2023 Workshop will be held in conjunction with the ACM SIGSPATIAL 2023 conference. Visit https://sigspatial2023.sigspatial.org/ to get more information about the conference.