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#