

CENTER FOR SPATIAL BUSINESS SPEAKER SERIES 2023-2024

# HUMANITARIAN AID AND SPATIAL TECHNOLOGY IN THE AGE OF UBIQUITOUS REAL-TIME LOCATION DATA

**THURSDAY  
MARCH 14, 2024**

**Dinner at 5:30 p.m.  
Talk 6 – 7:10 p.m.**

University of Redlands, Casa Loma Room  
1230 E Brockton Ave Redlands, CA 92374



**RSVP by March 8 at**

<https://forms.office.com/r/1pSy07a0Tq>

Personal location data is now routinely collected, aggregated, and analyzed from an astonishing range of devices, data feeds, and social situations. Social media, online advertising, financial transactions, ride-sharing and digital navigation constantly collect individual location signals at high resolution in both space and time. AI can be trained on this data to make commercial and security predictions at scale. However, access and application of this data for humanitarian aid remains at early stages, often constrained by lack of access to massive location data.

This talk details some of the key directions and requirements for safely and effectively bringing real-time location data into mainstream use within humanitarian aid. Dr. Schroeder will present the work of Direct Relief and the CrisisReady partnership at Harvard University, which has developed and applied a model of data, methods, and translational readiness for human mobility dynamics across dozens of disasters and public health emergencies over the past five years.

## About Dr. Andrew Schroeder

Dr. Andrew Schroeder is the Vice President of Research and Analysis for Direct Relief. He leads Direct Relief's work in data science, GIS mapping, epidemiology, and humanitarian technology. His work has been published or featured in outlets including Science, The Lancet Digital Health, the American Journal of Public Health, New York Times, and Washington Post. Dr. Schroeder is the co-founder, along with colleagues at Harvard University, of CrisisReady, a research-and-response analytics platform for the public good in disasters and health emergencies. He co-founded the Covid-19 Mobility Data Network, a global network of disease experts and public health experts dedicated to real-time digital epidemiology. He earned his Ph.D. in Social and Cultural Analysis from New York University and his Masters of Public Policy (MPP) and STPP certification from the Gerald R. Ford School of Public Policy at the University of Michigan.

