

BES Summer Quarterly Meeting, June 13th on Urban Heat

[UMBC Technology Research Center](#), 5200 Westland Blvd., Arbutus, Maryland 21227

Zoom link: TBD

1 pm - 1:15 Welcome and Brief Introductions

1:15-2:15 Patterns of Heat and Cooling in Cities, Moderator: Meghan Avolio (Johns Hopkins University)

1:15- Dexter Locke (US Forest Service) *The when, where, and how of urban tree cooling in cities*

1:22- Matt Baker (University of Maryland Baltimore County) *Title TBD*

1:37- Dexter Locke (US Forest Service) *Do trees cool the same at all times of day? Temporal non-stationarity in urban environments from bike-based air temperature monitoring in New Haven, CT.*

1:45- Mike Alonzo (American University) *The canopy-cooling relationship is very sensitive to tree canopy data quality and spatial modeling choices.*

2:00- Darryn Waugh (Johns Hopkins University) *The Baltimore Social Environmental Collaborative (BSEC) weather station network: Spatial variations in temperature and humidity.*

2:15-2:45 Panel and Group Discussions

Guiding question: What are the pressing research questions on heat patterns in Baltimore?

2:45-3:00 pm Break

3:00-4:00 pm Human Health Effects and Heat Mitigation, Moderator: Karin Burghardt (University of Maryland College Park)

3:00- Luke Smith (Pennsylvania University) *Association of Summer Heat Waves and the Probability of Preterm Birth: An Exploration of the Intersection of Race and Education*

3:15- Jake Miter (Baltimore City Fire Department) *Exploring the Relationship Between Urban Tree Canopy & EMS Call Volume*

3:30- Elie Bou-Zeid (Princeton University), REMOTE *Beyond Cool and Green: Novel Technologies for Mitigating Urban Heat Islands*

3:45- Ali Eyni (Johns Hopkins University) *Urban Adaptation and Heat Related Mortality: Providing Policies for Future*

4:00-4:30 Panel and Group Discussion

Guiding question: What needs to be done to better facilitate research on heat mitigation and health in Baltimore?

4:30-5:00 Break and relocating to an evening event (20-minute drive)

-----The Event continues for the Part II evening portion-----

5:30 pm - 8:00 pm Keystone Project Presents: Community-Based Science Engagement

[Maryland Urban Ecological Laboratory](#), 3639 Liberty Heights Ave; Baltimore, MD 21215