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(60) 2015 Annual Meeting, Chicago, Illinois

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Paper Session:

3240 Mobile Computing, Activity Space, and Social Networks: Health Applications from NIH Projects

is scheduled on Thursday, 4/23/2015, from 10:00 AM - 11:40 AM in Hong Kong, Hyatt, West Tower, Gold Level

Sponsorship(s):
Geographic Information Science and Systems Specialty Group
Health and Medical Geography Specialty Group
Spatial Analysis and Modeling Specialty Group
International Geospatial Health Research Network

Organizer(s):
Jeremy Mennis - Temple University
Debarchana Ghosh - University of Connecticut
Bethany Deeds - National Institute on Drug Abuse

Chair(s):
Debarchana Ghosh - University of Connecticut

Abstract(s):

10:00 AM   Author(s): *Neng Wan - University of Utah

 Abstract Title: *Understanding life-space characteristics based on smart-phone collected data*

10:20 AM   Author(s): *Jeremy Mennis - Temple University
Michael J Mason, Ph.D. - Virginia Commonwealth University
John Light, Ph.D. - Oregon Research Institute
Julie Rusby, Ph.D. - Oregon Research Institute
Erika Westling, Ph.D. - Oregon Research Institute
Thomas Way, Ph.D. - Villanova University
Nikola Zaharakis, Ph.D. - Virginia Commonwealth University

 Abstract Title: *Real-Time Tracking of Location and Mood for Investigating Contextual Influences on Adolescent Substance Use*

10:40 AM   Author(s): *Christopher R. Browning - Ohio State University
Jodi L. Ford - Ohio State University
Mei-Po Kwan - University of Illinois at Urbana-Champaign

 Abstract Title: *Activity Space Exposures and Physiological Stress Among Urban Adolescents*

11:00 AM   Author(s): *Debarchana Ghosh - University of Connecticut, Geography
Frederick L. Altice - Yale Unibersity, School of Medicine

 Abstract Title: *Spatializing Egocentric Social Networks: Does Geography Matter in Social Networks?*

11:20 AM   Discussant: Bethany Deeds - National Institute on Drug Abuse

Discussant(s):

Bethany Deeds - National Institute on Drug Abuse

Session Description: Advances in geospatial technologies such as Global Positioning Systems (GPS) and Geographic Information Systems (GIS) now afford researchers the ability to easily track individuals through space and time. These technologies can be combined with mobile computing platforms such as smartphones and wearable sensors that can provide in-situ survey delivery and ambient data collection concerning an individual's physical and social environment.   Consequently, researchers now have the ability to collect location- and time-referenced data on mood states, activities, behaviors, social interactions, biological function, and related indicators in real time. Such data about individuals' experiences and interactions with their physical and social environment afford researchers the ability to investigate the connection between individual experience and many health outcomes at a level of granularity not heretofore possible. This session focuses on National Institutes of Health (NIH) sponsored projects relating to activity space, social networks, and individual-level experiential data for health applications.

New Query