About UrbanSim Inc.

We are a company of planners, data scientists, software engineers and economists working to build effective planning tools for real world planning problems. Our tools use data science, simulation and visualization to learn from the past, inform the present, and shape the future of communities everywhere.

Hosted by
The Denver Regional Council of Governments
1001 17th Street, Denver CO 80202
Aspen conference room (Plaza level)

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2019
URBAN SIM
Users Group Conference

November 7-8th
THURSDAY
NOVEMBER 7TH

9:00AM
Welcome by DRCOG and UrbanSim

9:15-10:00AM
Where are we now? UrbanSim Models and UrbanCanvas Modeler
Overview of the current Block and Parcel UrbanSim Models, and a demonstration of the UrbanCanvas Modeler cloud platform. User feedback.

10:00-10:45AM
Where are we going? Editor + Viewer
Introduction to near-term plans to develop Editor and Viewer versions of UrbanCanvas. User feedback.

10:45-11:00AM
Coffee break and networking

11:00-11:45AM
Where are we going? Penciler and Advanced Developer
Introduction of Penciler and demonstration and discussion of its capabilities. Discussion of the potential integration of Penciler into the existing UrbanSim developer model. User feedback.

11:45-12:15PM
Lunch
Lunch is an open time to network and explore downtown Denver.

1:45-2:15PM
Where are we going? Master Planner and Scenario Planner
Introduction to master planner for neighborhood/TOD scale planning, and scenario planner for regional scale planning. User feedback.

2:15-2:45PM
Where are we going? MacroSim
Introduction to preliminary plans for macroeconomic and demographic models. User feedback.

2:45-3:15PM
Where are we going? Activity-based Travel + Traffic simulation
Introduction to research prototypes of activity-based travel demand modeling and traffic microsimulation. User feedback.

3:15–3:30PM
Coffee break and networking

3:30-5:00PM
MP0 special topics
Daniel Jerrett will moderate a series of presentations from select MPOs. Topics will vary, but are intended to inform the group of successful implementations, unique model enhancements, and challenges encountered in the modeling process.

5:30PM
Happy Hour, Location to be announced

7:00PM
Dinner, Location to be announced
We hope you will join us out at one Denver’s great eataries to relax and socialize.

FRIDAY
NOVEMBER 8TH

9:15-10:00AM
Innovations in Model Calibration Methods
Eddie Janowicz will present recent innovations in adapting AI algorithms used to train Neural Networks, to the task of calibrating model parameters to more closely match longitudinal observations.

10:00-10:45AM
Inside the Models
Sam Maurer will discuss the current landscape of scientific computing, and how UrbanSim is harnessing advances in data science and cloud computing to make our models more accurate, performant, and reliable.

10:45-11:00AM
Coffee break and networking

11:00-12:00PM
UrbanLab Hands-On Workshop
UrbanLab is our new Jupyter-based platform for working interactively with UrbanSim models running in cloud containers. Sam Maurer will give you a tour.

12:15 -1:30PM
Lunch
Lunch is an open time to network and explore downtown Denver.

1:30-3:30PM
MPO advisory group kickoff
UrbanSim Inc. will facilitate a kick off of the MPO advisory group. This group consists of current UrbanSim Inc. clients as well as other model users committed to supporting the continued maintenance and development of UrbanSim. The mission of the group is to collaborate and help identify and prioritize future model enhancements. The information collected from earlier sessions will help inform the discussion.

If you have any questions about the conference agenda, travel, accommodations, please reach out to Daniel Jerrett at jerrett@urbansim.com