

CMAP ADVANCED MODELING PRE-SYMPOSIUM WEBINAR

August 24, 2012

10 a.m. – 1:00 p.m. CDT

Online only

hosted by:

Chicago Metropolitan Agency for Planning
Kermit Wies



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WELCOME!

- Next Friday: Symposium at CMAP
- Today: Seven Technical Presentations
 - Two on Transit Demand Modeling
 - Two on Freight Demand Modeling
 - Three on Network Microsimulation
- No Live Questions Today!
 - Type short questions in your online webinar console
 - Or e-mail me at kwies@cmmap.illinois.gov
 - These will help guide next Friday's discussion
 - Along with two CMAP White Papers



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TODAY'S PRESENTERS

- Peter Vovsha, Parsons Brinckerhoff
- Maren Outwater, Resource Systems Group
- Monique Urban, Cambridge Systematics
- Mark Hickman, University of Arizona
- Hubert Ley, Argonne National Laboratory
- Hani Mahmassani, Northwestern University



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BACKGROUND:

ADVANCED MODEL DEVELOPMENT AT CMAP

- 2008 Advanced Modeling Symposium
- 2010 Cadre: Strategic Plan
- 2011 Mesoscale Freight Model
- 2011 Highway Pricing Model
- 2012 Transit Modernization Model

Data Development

- Travel Tracker survey
- New system inventories
- Extended networks

Computing Environment

- 8 size 24 emme licenses
- 4 power servers
- 10 workers



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GOALS FOR NEXT FRIDAY'S SYMPOSIUM

What should be next for CMAP?

A less technical, more strategic discussion

- Pressing the envelope in agent-based modeling
 - Two CMAP-authored White Papers
 - An agent-based economic extension to mesoscale freight
 - Integrating network microsimulation and activity-based demand
 - Discuss submitted questions

And now: On with Today's Show!



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TRANSIT MODERNIZATION MODEL PROJECT

- Peter Vovsha: Extending CT-RAMP's transit modeling capacity
- Maren Outwater: Findings of TCRP-H37: Characteristics of Premium Transit Services that Affect Choice of Mode



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CMAP MESOSCALE FREIGHT MODEL

- Monique Urban: A Working Demonstration of a Mesoscale Freight Model for the Chicago Region
- Maren Outwater: Tour-based and Supply Chain Modeling for Freight in Chicago



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NETWORK MICROSIMULATION

- Mark Hickman: SHRP2 C10 incorporation of ABM derived transit demand into a DTA
- Hubert Ley: Evolution of a Chicago region TRANSIMS application
- Hani Mahmassani: Development of a Chicago region DYNASMART-P application



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THANKS TO ALL OUR SPEAKERS!

- A virtual round of applause please?



NOW WHAT?

- Today's speakers will re-convene at CMAP next Friday's Symposium
- White Papers and submitted questions will be e-mailed to all registrants early next week
- Register to attend in person or online
 - If you lost your invitation, e-mail me at kwies@cmmap.illinois.gov



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NEXT FRIDAY'S AGENDA

- 10:00 a.m. Welcome, introductions, overview
- 10:30 a.m. Agent-based freight modeling

Noon - Lunch at CMAP

Presentation - CMAP's Highway Pricing ABM in application

- 1:00 p.m. Activity-based modeling and network microsimulation
- 2:30 p.m. Discuss submitted questions
- 3:30 p.m. General ramblings

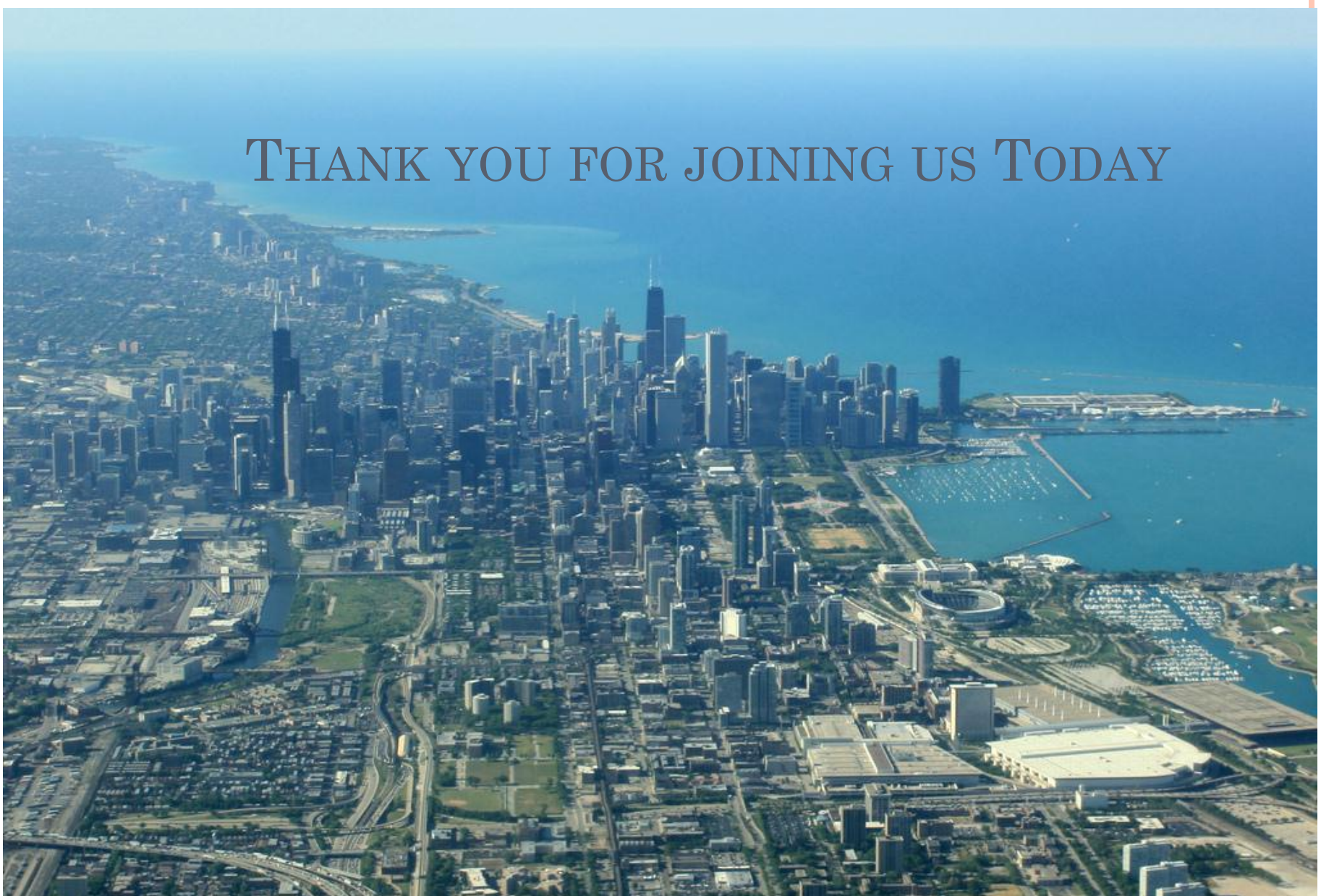


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THANK YOU FOR JOINING US TODAY



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