

ABE20 – Transportation Economics Committee Meeting. TRB 2014 Annual Meeting, Washington, D.C.  
January 14, 2014. 8:00 a.m. to 11:30 a.m. Hilton, Columbia Hall 11 & 12

8:00 Welcome and Introductions

8:10 Approval of Summer 2013 meeting minutes

8:15 TRB Staff Report – Martine Micozzi

8:25 Committee Business

- 2014 Summer Meeting: July 9 – 11, 2014 Marriott Newport Beach Hotel & Beckman Center, Irvine, CA. As part of the 2014 TRB Finance Conference on Surface Transportation Financing
- Paper Review Process
- TransportationEconomics.org and other communication issues – Chris Williges, Peter Rafferty
- BCA: Action Plan – Chris Williges

8:50 Presentations:

- **P.M.J. (Pim) Warffemius, KiM Netherlands Institute for Transport Policy Analysis,**. New values of time and reliability for infrastructure project assessment in The Netherlands.
- **Scott Zuchorski, Fitch Ratings, Global Infrastructure and Project Finance.** He will discuss toll road and managed lanes project finance ratings.
- **Ralph Erickson, Battelle Memorial Institute.** Public Policies within a Fully Priced Transportation Network: Lessons from Utility Regulation.
- **David Plazak, TRB.** SHRP 2 Update on VOR from SHRP 2 projects L35, C03, and C11.
- **Dan Chatman, Berkeley,** Brief update on the next NHTS.

9:40 Break

10:10 Subcommittee Updates

- Joint Subcommittee on the Economics of Pricing – Darren Timothy
- Joint Subcommittee on Parking Pricing – Rachel Weinberger
- Joint Subcommittee on Public-Private Partnerships – Jennifer Mayer
- Joint Subcommittee on Risk and Resilience Assessment and Planning – Silvana Croope

10:30 Research Needs – Ralph Erickson and Lei Zhang

- Discussion of several RNS submitted
- Discussion of ongoing research and gaps in that research
- Develop research needs statements and/or calls for papers (for TRB January 2015) for areas of high interest

11:15 Other business / Announcements 11:30 Adjourn

# **TRB 5th International Conference on Surface Transportation Financing: Innovation, Experimentation, and Exploration**

July 9-11, 2014

Arnold and Mabel Beckman Conference Center  
Irvine, California

## Draft Agenda

July 9 – Several other committees meeting and pay to attend workshops during the day. Evening welcome reception.

July 10 – Funding and Financing related sessions.

July 11 – Early morning – conference wraps up. From 11-2 (with lunch provided!) our committee meeting. Subcommittees meeting mid-afternoon. Conference ends at 4.

July 8 and 12 as well?

Registration Fee (general) \$450.

Website: [www.trb.org/conferences/finance2014.aspx](http://www.trb.org/conferences/finance2014.aspx)

Committees: Revenue and Finance, Congestion Pricing, Economics

# Transportation and Economic Development Conference

- April 9-11, 2014
- Dallas, TX
- Co-sponsor the meeting and work with TED on sessions.
- <http://tti.tamu.edu/conferences/ited2014/>

# Membership Rotation

- TRB required the rotation of 8 off the committee.
- New members rotating onto the committee:
  - Rachel Weinberger
  - Jennifer Mayer
  - Silvana Croope
  - Shanjiang Zhu
  - Chao Huang
  - Susan Binder
  - Jenny Liu

# Paper Reviews

Nancy Bergeron

- 25 papers reviewed
- 13 were accepted for presentation
- 3 revise-resubmit for potential publication (ongoing process)
- Presentations
  - Poster session: #323, Monday Jan. 13, 10:45AM - 12:30PM, Hilton, International Center
  - Lectern session on tolling: #673, Tuesday Jan. 14, 3:45-5:30PM, Hilton, Georgetown East

# Paper Reviews

- Thanks to Tony Ruffolo for his help!
- Thank you to all reviewers!
- Let us know if you want to be added to the reviewers pool next year

# Committee Sponsored Sessions

| <u>Type</u> | <u>No.</u> | <u>Function Title</u>  | <u>Location</u>                    | <u>Time</u>                      |
|-------------|------------|--|------------------------------------|----------------------------------|
| Poster      | 323        | Current Issues in Transportation Economics   | Hilton,<br>International<br>Center | Monday, 10:45AM<br>- 12:30PM     |
| Lectern     | 346        | Cost Recovery Strategies for Transportation Agencies: Protecting Transportation Infrastructure and Systems Through Financial Strength. (With Critical Transportation Infrastructure Protection ( <u>ABE40</u> )) | Shoreham,<br>Executive             | Monday, 1:30PM -<br>3:15PM       |
| Lectern     | 673        | Tolling in the United States and Abroad  | Hilton,<br>Georgetown<br>East      | Tuesday, 3:45PM -<br>5:30PM      |
| Lectern     | 719        | Accessibility and Economic Well-Being. (with Accessible Transportation and Mobility ( <u>ABE60</u> ), Social and Economic Factors of Transportation ( <u>ADD20</u> ))  | Hilton,<br>Jefferson<br>East       | Tuesday, 7:30PM -<br>9:30PM      |
| Lectern     | 750        | Building Credibility One Story at a Time: Linking Economic Growth to Transportation Improvements. (With Strategic Management ( <u>ABC10</u> ) and Transportation and Economic Development ( <u>ADD10</u> ))      | Hilton,<br>Columbia<br>Hall 8      | Wednesday,<br>8:00AM –<br>9:45AM |

# Presentations (Poster Session)

| Title   | Authors   |
|---|---|
| <b>#323: Current Issues in Transportation Economics / Jan 13, 2014 10:45AM - 12:30PM / Hilton, International Center</b>                       |   |
| <b>Travel Time Reliability: How to Measure and Explain Trends with Traffic Data and Their Application for Economic Evaluation</b>             | Han van der Loop, Jan Perdok, MuConsult, Jasper Willigers         |
| <b>Transportation Infrastructure Usage and Household Welfare</b>  | Jeffrey J. Eloff, Oleg A. Smirnov, Peter S. Lindquist             |
| <b>Assessment of Economic Impacts of a Vehicle Miles Traveled Fee for Passenger Vehicles in Nevada</b>  | Alexander Paz, Andrew Nordland, Naveen Veeramisti, Alauddin Khan, |
| <b>Behavioral Economics in Infrastructure Fund Allocation</b>   | Dina Atef Saad, Tarek Hegazy                                      |
| <b>Including Risk in Socioeconomic Evaluation of Transportation Projects: Practical Approach</b>  | Helene Le Maitre, Xavier Delache                                  |
| <b>Searching for Arriving on Time Tolerance: New Swiss Data for Travel Time Reliability Analysis</b>  | Ming Lu   |
| <b>Transport Infrastructure Evaluation Using Cost-Benefit Analysis: Improvements to Valuing the Asset Through Residual Value-- Case Study</b> | Heather Jones, Tiago Domingos, Filipe Moura, Joseph M. Sussman,   |
| <b>Design of Tradable Credit Schemes over Multiple Time Periods</b>   | Mohammad Miralinaghi, Srinivas Peeta                              |
| <b>Toward More Comprehensive and Multimodal Transport Economic Evaluation</b>   | Todd Alexander Litman,  |
| <b>Evaluating Various Road Ownership Structures and Potential Competition on Urban Road Network</b>   | Omid M. Rouhani, H. Oliver Gao                                    |
| <b>Rationing and Pricing Strategies for Congestion Mitigation Under Heterogeneous Users and Vehicle Types</b>                                 | Shanjiang Zhu, Longyuan Du, Meng Li, Lei Zhang,                   |



# Presentations (Podium Session)

| Title   | Presenter(s)   |
|---|--|
| <p style="text-align: center;"><b># 673: Tolling in the United States and Abroad</b><br/><b>Tuesday, January 14, 2014 3:45PM - 5:30PM Hilton, Georgetown East</b></p> |  |
| <b>U.S. Toll Roads Since 1950: Trends in Toll Rates per Mile Compared with Inflation</b>  | Ronald William Davis, CDM Smith, presenter   |
| <b>Modernizing the U.S. Interstate Highway System via Toll Finance</b>  | Robert W. Poole, Reason Foundation, presenter  |
| <b>Determinants of Toll Price Elasticity of Traffic Demand: Comprehensive Analysis of Nationwide Demonstration Projects on Flexible Road Use Tolls in Japan</b>       | Yukihiro Tsukada, National Institute for Land and Infrastructure Management, Japan, presenter<br>Daisuke Fukuda, Tokyo Institute of Technology, Japan, presenter |
| <b>Urban Sprawl, Job Decentralization, and Congestion: Welfare Effects of Congestion Tolls and Urban Growth Boundaries</b>  | Wenjia Zhang, University of Texas, Austin, presenter<br>Kara Kockelman, University of Texas, Austin, presenter   |

# Committee Sponsored Workshops

| <u>Type</u>     | <u>No.</u> | <u>Function Title</u>   | <u>Location</u>                | <u>Time</u>               |
|-----------------|------------|---|--------------------------------|---------------------------|
| <b>Workshop</b> | 143        | Parking Policy and Urban Mobility:<br>Expanding Our Understanding                       | Hilton,<br>Columbia Hall<br>12 | Sunday 9:00AM-<br>12:00PM |
| <b>Workshop</b> | 132        | Behavioral Economics: Understanding<br>Choices in Road, Transit, and Parking<br>Pricing | Hilton, Lincoln<br>East        | Sunday 9:00AM-<br>12:00PM |
| <b>Workshop</b> | 209        | Transportation Impacts of the Global<br>Economic Crisis                                 | Hilton,<br>Columbia Hall<br>3  | Sunday 1:30PM-<br>4:30PM  |

# Subcommittees

| <u>Type</u> | <u>No.</u> | <u>Function Title</u>                          | <u>Location</u>                     | <u>Time</u>                     |
|-------------|------------|--|-------------------------------------|---------------------------------|
| Meeting     |            | Economics of Pricing                           | Hilton,<br>Gunston                  | Monday 5:45PM<br>– 7:15 PM      |
| Meeting     |            | Parking Management                             | Hilton,<br>Morgan                   | Tuesday<br>10:15AM -<br>12:00PM |
| Meeting     |            | Public-Private Partnerships                    | Hilton,<br>Columbia Hall<br>11 & 12 | Tuesday<br>12:15PM –<br>1:15PM  |
| Meeting     |            | Risk and Resilience Assessment and<br>Planning | Shoreham,<br>Cabinet                | Tuesday<br>12:15PM –<br>1:15PM  |

# Subcommittees

- Joint Subcommittee on the Economics of Pricing – Darren Timothy
- Joint Subcommittee on Parking Pricing – Rachel Weinberger
- Joint Subcommittee on P3s (new) – Jennifer Mayer
- Joint Subcommittee on Risk and Resilience Assessment and Planning – Silvana Croope



# Research Needs Statements

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An important function of the Transportation Research Board (TRB) is to stimulate research that addresses concerns, issues, or problems facing the transportation community. In support of this function, TRB Technical Activities standing committees identify, develop, and disseminate research need statements (RNS) for use by practitioners, researchers, and others. The RNS on this website have been developed by the technical committees.

## Search

- To retrieve a record or records in the database, enter a word or phrase in the "Search Term" box.
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# 2012/13 RNS

1. Implications of the Choice of Rate-setting Methodology for Airport Performance (Volodymyr Bilotkach) - **met with airport econ comm, currently no other progress**
2. Surety Best Practices for Public Transportation Projects (Robena Reid) – **TRB presentation**
3. Taxi Usage, Pricing and Urban Transport – Per Trip Car Usage Markets as a Component of Urban Mobility (Jon Peters) - **Approved and listed on the TRB RNS site**
4. Economic Principles Applied to Advance Disaster Planning (Fred Berger)

# 2012/13 RNS

5. Issues Relating to Privatizing Roads in the United States (Gabe Roth) – **joint with congestion pricing?**
6. Economic Impact of Doubling Carpooling and Vanpooling (Paul Minett)
7. Impact or BCA of CAFE Standards or Environmental Issues, Particularly with Truck Standards (Mike Lawrence, Ralph Erickson) – **Don Pickrell presentation**
8. Behavioral Aspects of Parking Pricing (Rachel Weinberger) – **discuss in subcommittee**

# 2013/14 RNS

## Polished statements

1. Multimodal Tradeoffs for Investment Decision- Making
2. Reverse Auctions to Renew and Expand



# Topics with no supporting statements

- Public Transportation in the US Wider economic benefits of large transportation projects and network configurations - problems of measurement and evaluation under consideration of risk and uncertainty
- Permanent controlling of cost and benefit streams for transportation projects in the context of building information modeling - a concept for integrating cost and benefit calculations