

**Urban Transportation Center  
University of Illinois at Chicago**

**Annual Report**

**Fiscal Year 2003/2004**

**Director: Sue McNeil  
Associate Director: Piyushimita (Vonu) Thakuriah  
SEPTEMBER 13, 2004**

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## 1. Introduction and Highlights

This calendar year the Urban Transportation Center (UTC) celebrates its twenty-fifth anniversary. At our annual retreat in February we took the opportunity to look at what we have accomplished and where we want to be twenty-five years from now. We are in the process of revising our strategic plan to reflect these discussions.

While our personnel numbers and total budget have remained fairly constant over the past year, our state budget has yet again declined and external funding has continued to grow. More importantly, by almost all the traditional academic measures, it has been a very productive year. UTC faculty, staff, and students:

- Published or have scheduled for publication 26 papers in refereed journals (up from 10 in 2002/2003)
- Published 34 papers in refereed conference proceedings (up from 13 in 2002/2003)
- Made 27 presentations at meetings or as invited colloquia (down from 35 in 2002/2003)
- Graduated 17 masters students (up from 16 in 2002/2003) and 2 PhDs (up from 0 in 2002/2003)

Our students collected six awards and we received continued support from the Illinois Department of Transportation for the Metropolitan Support Initiative (METSI). Again we hosted a successful fall symposium (focusing on circumferential transportation systems) and a reception for alums at the Transportation Research Board Annual Meeting in Washington DC.

In the Fall of 2003 we were pleased to welcome Professors Abolfazl (Kouros) Mohammadian and Jie (Jane) Lin to the Department of Civil and Materials Engineering as assistant professors. Professor Lin holds a joint appointment with the Institute for Environmental Science and Policy (IESP). As they build their research program we appreciate their willingness to be active participants in UTC activities and collaborators on research projects.

Our advisory board again had some turnover. We welcome Diane O'Keefe, District 1 Engineer for Illinois Department of Transportation and John Roberson, Commissioner of Aviation for the City of Chicago.

Administratively, the Great Cities Urban Data Visualization Laboratory (UDV) became part of UTC. This was in response to fiscal issues that required sharing of administrative responsibilities. However, the synergy between UDV and UTC on research projects provided for a productive and effective working relationship. Unfortunately, Laxmi Ramasubramanian, the associate director of UDV will be moving on to a tenure track appointment at Hunter College. While we wish Laxmi her well and appreciate the collaboration, we are disappointed that this relationship will not continue. UDV will revert back to the dean's office effective August 15, 2004.

In January 2004, we received \$750,000 funding through the Federal Highway Administration in the FY '04 Omnibus Appropriations Bill. While the amount has been reduced slightly, and we are still waiting on a contract, we are anticipating being able to address some transportation issues of regional importance.

## **2. Aims Overall**

### **Mission:**

The Urban Transportation Center (UTC) at the University of Illinois at Chicago seeks to understand and improve urban transportation through the creation, application and dissemination of transportation knowledge while also making use of the Chicago metropolitan area.

### **Vision:**

The Urban Transportation Center will be an internationally recognized center for research, education and training in planning, analyzing and modeling surface mobility. With a stable funding base and a stimulating collaborative interdisciplinary environment, the center is a focal point for researchers in various disciplines interested in intellectually challenging transportation issues and problems. The center also serves to educate and train the next generation of transportation professionals and leaders.

## **3. Goals for 2003/2004**

- Address goals from previous years that have not been met but are still relevant:
  - Budgeting
  - Administration
  - Faculty and staff development
- Develop a mechanism for improving internal communications and interactions. Specifically, we need to be able to relate the substantive and development aspects of projects and grants. Our current staff meeting format is too diffused, and the seminars are too specific.
- Develop both short and long term plans for computing, computer support, and programming support.
- Address student issues as identified in survey and focus groups.
- Enhance scholarship in terms of both quantity and quality.
- Enhance the PhD experience by developing seminars on how to write papers, proposals and participate in scholarly activities.
- Develop a career track for research assistant professors.
- Support GCUDV as appropriate.
- Continue to enhance our relationships with local agencies.

These goals and the progress made in achieving these goals are laid out in more detail in Appendix 1.

#### **4. Main activities in 2003/04**

The appendices document the accomplishments in terms of papers, presentations, projects, proposals, courses taught, professional contributions, and other scholarly activities of the faculty, staff, and students affiliated with the center. Appendix 2 includes lists of the UTC faculty and staff, and Appendix 3 lists the UTC supported students.

##### **Research**

Several projects were completed during this year. These projects produced detailed project reports. In addition, Phase II of the Transportation Information Clearinghouse project began and the project with the Community Transportation Association of America got into full swing. The ongoing collaboration with the Chicago Transit Authority and Massachusetts Institute of Technology expanded to include faculty and students from Civil Engineering and Public Administration. A pooled fund study with the University of Wisconsin at Madison and the University of Toledo is supporting an Upper Midwest Freight Corridor Study. This project not only involves research but several outreach meetings with stakeholders.

Our anticipated funding from the Federal Highway Administration will be used to address regional issues (titled "Systemwide Information for Transportation Assessment and Research") will focus on four projects with faculty leaders:

- Chicago Region Freight Study (Kawamura)
- American Community Survey (ACS) Data (Sööt)
- Transferability of Household Travel Survey Data in Calibrating and Validating Travel Forecasting Models (Lin and Mohammadian)
- Economic Impacts and ITS Deployment Planning (Thakuriah)

We hope to have the contracts in place by the early part of the fall semester.

We also wrote collaborative proposals with faculty from the College of Nursing, Engineering (Computer Science and Civil Engineering), Disability Studies, Public Administration Program, and other institutions.

Appendix 4 lists ongoing and new research projects.

##### **Education**

With the arrival of new faculty in Civil Engineering, we revisited the transportation curriculum across the campus and mapped out a rational series of courses for students to take in the masters program in either Urban Planning and Policy or Civil Engineering. While it may take some time to get these courses implemented, we believe that we will be able to better serve our students with the expanded course offerings in Civil Engineering.

Appendix 5 includes a list of transportation courses taught by UTC affiliated faculty and staff. In addition some training and professional development activities were again offered. These are listed in Appendix 6.

In the Fall our Friday seminar time-slot was used for student orientation activities as shown in Appendix 7. The Spring Seminar schedule is shown in Appendix 8.

### **Outreach**

Our fall symposium (see Appendix 9) in 2003 had record attendance. We published two issues of a revamped UTC Connector. We continued our UTC Friday seminar series extending the concept by inviting PhD students from nearby universities who came and presented their work.

We have worked with Physical Plan to get the Campus Shuttle Bus web locator (affectionately known as ButtleSus) functioning. A real time map can be found at <http://pby.utc.uic.edu>.

UTC faculty and staff are extraordinarily active in professional organizations. We have representation on the Transportation Board's Executive Committee and 8 different technical committees. We serve on review panels, external review panels, planning commissions, and advisory groups. We also serve on university committees, college committees, and program committees. Our service and professional activities are listed in Appendix 10.

### **Accomplishments**

Our scholarly accomplishments are listed in Appendix 11 including book chapters, refereed journal and conference papers, conference presentations, and reports. We presented to visitors from Dortmund and we not only attended, but also presented at lots and lots of professional meetings.

We are proud of the fact that our students make some of these presentations and we have included the student presentations in Appendix 11. We have also listed in thesis and project topics in Appendix 12 and student awards in Appendix 13.

### **Administration**

Our administrative resources to support our research activities have remained stable, but the number of appointments to process, contracts to shepherd through the process, proposals to submit, and bills to be issued continues to grow. We also added the Urban Data Visualization Laboratory as an administrative unit. In addition, the introduction of the Banner system has added a significant burden. This is a real problem.

As part of our strategic planning process we identified five-year and ten-year directions as outline below.

### **Five-year directions**

- Address the funding instability
- Address space concerns, both within Center and between Center and University
- Increase visibility and define expertise of Center through media exposure
- Define and resolve computer and software needs
- Incorporate latest technology into current research problems
- Improve and develop the UTC Collection and work on the creation of a CUPPA library
- Yearly evaluation of strategic plan
- Promotion of internal and external collaboration opportunities
- Increase on-line opportunities
  - Net seminars
  - On-line courses
  - On-line partnerships

### **Ten-year directions**

- Attaining status of University Transportation Center
- Integration of education and research
- Expand international focus
  - International scholarship program
- Pursue and secure long-term funding streams (e.g., NSF)
- Bring established journal to UTC
- Obtain and allocate funding for lecture/seminar series
- Creation of classrooms in CUPPA Hall
- Establish visiting faculty, endowed professorship, practitioner professorship
- Establish UTC Alumni Association
- Brand identity for Center
  - Establish specific focus area
  - Creation of logo
  - Hire publicist to enhance marketing efforts

## **5. Targets for 2004/05**

Based on our assessment of our goals for 2003-2004, the goals presented in the CUPPA strategic planning plan, and our five and ten-year directions, we identify goals. Where appropriate we have set measurable targets and linked the targets to the goals in the CUPPA Strategic Plan (April 2004).

The goals are as follow:

- Update the UTC strategic plan  
Target: Complete  
CUPPA goal: Efficient allocation of current resources
- Complete contracts for FHWA funding

Target: Complete

CUPPA goal: Entrepreneurial and development activity

- Develop short-term plan for computing, computer support, and programming support.  
Target: Complete  
CUPPA goal: Technology
  
- Continue to develop the relationship with Public Administration and Engineering  
Target: Support 3 PA and 3 Engineering graduate students as RAs during 2004-2005  
year  
CUPPA goal: Diversity (of disciplines)
  
- Continue to explore collaborations with other units across campus  
Target: Write five proposals with other units on campus  
CUPPA goal: External partnerships
  
- Develop proactive account management in UTC  
Target: Develop reporting and information systems for 4 largest accounts.  
CUPPA goal: Efficient allocation of resources

## Appendix 1. Goals from Previous Years

- Promote UTC locally, nationally, and internationally.  
*UTC faculty, staff, and students participated in local, national, and international conferences. Several presentations were made at universities and to committees.*
- Recruit graduate students, particularly PhD students.  
*Our pool of PhD applicants continued to be outstanding. Three PhD students were awarded Distinguished Graduate Scholar Awards in 2003. Three new students will be joining UTC in the Fall on 2004. Two will be in the UPP program; one will be in PA program.*
- Think about how to better integrate UTC into the college, and university.  
*Faculty, staff, and students actively participated in the college's strategic planning process, the CUPPA Expo, and the advisory board of the Institute for Environmental Science and Policy (IESP).*
- Strengthen the relationship with the College of Engineering.  
*Jane Lin and Kouros Mohammadian joined the Department of Civil and Materials Engineering as Assistant Professors and have been active participants in UTC. UTC faculty and staff continued to participate in proposals with faculty from Engineering and Computer Science.*
- Continue to seek long-term stable support for the center through funding from the University Transportation Center's program and matching money from local agencies.  
*We have continued to work with Government Relations to gather support for a University Transportation Center from the Illinois delegation. Although we were not successful in gaining the University Transportation Center designation, we have received an appropriation as part of the Omnibus Appropriation Bill and continue to work with Government Relations for inclusion in the reauthorization, which is still under negotiation.*
- Develop a case for recruiting additional faculty. Ideally this would be two faculty in transportation civil engineering and one in urban planning. One of the faculty in engineering would be at the senior level to serve as an associate director of the center for engineering.  
*We actively supported the hiring of a junior faculty member in UPP who, while not a transportation specialist would work with UTC. We were unsuccessful.*
- Explore interests in transportation in other parts of the university e.g. public health.  
*These interactions are documented in other parts of the report. These will be continued.*

- Conduct one-on-one meetings with advisory board members and other constituents.  
*Meetings continued. These meetings became a mechanism for soliciting letters of support for National Science Foundation proposals and our quest to be named a "University Transportation Center."*
- Revise the faculty and staff development process within UTC.  
*Process was delayed to university considering changing the process.*
- Create a formalized internship program for students, drawing on the resources of our advisory board.  
*Our resume book has been well received, and although a formalized program is not feasible at this point, we will continue develop informal relationships with local organizations.*
- Explore opportunities to offer continuing education, short courses and professional development to local transportation executives and mid-level managers.  
*Discussions with local agencies are continuing. We have had some successful and not-so-successful efforts.*
- Develop a proactive budget process that enables us to track the assignment of personnel to projects and project budget commitments.  
*We have made some progress.  
Measurable outcome for 2004-2005: The principle investigators for the five largest accounts (METSI, FTA, FHWA, RTA and CTA) will be provided with monthly statements, monthly budgets, annual project budgets, and remaining budgets.*
- Formalize the informal committee structure in UTC (computing/space, publications, working paper series FAC, advisory board and others) and introduce processes for easy documentation of center activities.  
*Committee descriptions have been developed and circulated, committees formed and most committees have met. Committees report on progress at staff meetings.  
Measurable outcome for 2004-2005: Committee descriptions and membership should be posted on the UTC website and progress reports posted at mid-semester.*

## **Appendix 2. Faculty and Staff**

### **Faculty associated with the center:**

David Boyce, Emeritus Professor of Transportation and Regional Science  
Kazuya Kawamura, Assistant Professor of Urban Planning and Policy  
Jie (Jane) Lin, Assistant Professor of Transportation Engineering  
Abolfazl (Kouros), Mohammadian, Assistant Professor of Transportation Engineering  
Peter Nelson, Head and Professor of Computer Science  
Anthony Pagano, Associate Professor of Management  
Michael Shiffer, Associate Professor of Urban Planning and Policy (on leave Sept. 2002)  
Piyushimita (Vonu) Thakuriah, Associate Director and Associate Professor of Urban Planning and Policy  
Eric Welch, Assistant Professor  
Ouri Wolfson, Professor Computer Science

### **Faculty employed by the center:**

Joseph DiJohn, Research Professor, Urban Planning and Policy and Director of METSI  
Jung-Taek Lee, Research Assistant Professor of Urban Planning and Public Affairs  
Sue McNeil, Director and Professor of Urban Planning and Public Affairs  
Paul Metaxatos, Research Assistant Professor of Urban Planning and Public Affairs  
Laxmi Ramasubramanian, Research Assistant Professor of Urban Planning and Public Affairs, Associate Director Urban Data Visualization Center  
Siim Sööt, Research Professor, Geography (emeritus)  
P. S. Sriraj, Research Assistant Professor, Urban Planning and Public Affairs

### **Associates/Visiting Faculty/ Adjunct Faculty:**

Steve Schlickman

### **Visiting Scholars:**

Jaisong Choi  
C. Jotin Khisty  
Susumu Kudo

### **Support Staff:**

Karin Allen, Research Transportation Program Manager  
Silvia Becerra, Program Coordinator  
Jane Berner, Visiting Research Transportation Program Manager  
Gabrielle Brown, Program Coordinator  
Lise Dirks, Research Transportation Specialist  
James W. Kelly, Assistant Director for Research Programs  
Shamus Misek, Research Transportation Program Manager  
Alicia Morreale, Visiting Research Transportation Program Manager (academic hourly)  
George Yanos, Research Programmer as of April 1, 2004 Principal Research Programmer

### Appendix 3. UTC Supported Students

#### Graduate Research Assistants

FIRST NAME	LAST NAME	DEGREE	EXPECTED GRADUATION	FIRST NAME	LAST NAME	DEGREE	EXPECTED GRADUATION
Fenny	Anggraeni	MSA, MBA	May-04	Roseann	O'Laughlin	MUPP	Aug-04
Joost Gideon	Berman	PhD	May-06	Juan	Ortega	PhD	Aug-04
Rajmonda	Cáceres	MISI	Aug-05	Norma	Peña-Rivera	PhD	May-05
Yukun	Dong	MUPP	Dec-04	Amanda	Perkins	MUPP	Aug-05
Howard	Fink	MUPP	May-05	Lesley	Roth	MUPP	Aug-05
Geoffrey	Fruin	MUPP	May-04	Jon	Scherman	MUPP	Dec-04
Xiaohua (Grace)	Gu	MPA	May-04	Rachel	Scheu	MUPP	May-05
Meghan	Hammerle	MUPP	Aug-04	Praveen	Shangunathan	MUPP	July 04
Jonathon	Hart	MUPP	Dec-04	Hyeon-Shic	Shin	PhD	May-04
Lisa	Kramer	MPA	Dec-04	Nandini	Swarup	MUPP	May-04
Shin	Li	MUPP	Dec-04	Amit	Thomas	MUPP	Dec-04
Yihua	Liao	PhD	May-06	Nidhi	Vaid	MUPP	July-04
Shruti	Mahajan	MUPP	Dec-03	Xuemei	Wang	MA Accounting	May-04
Stacey	Meekins	MUPP	May-04	Audrey	Wennink	MUPP	Dec-03
Santosh	Mishra	MS	Dec-04	Jeromie	Winsor	MUPP	May-04
Daisuke	Mizusawa	PhD	May-06	Dong	Zhai	MS	May-04
Sanya	Niumpradit	PhD	May-04	Jiangping	Zhou	PhD	May-05
David	O'Donnell	MUPP	May-05	Ge	Zhu	MUPP	May-04

**Hourly Undergraduate Students**

<b>FIRST NAME</b>	<b>LAST NAME</b>	<b>DEGREE</b>	<b>EXPECTED GRADUATION</b>	<b>FIRST NAME</b>	<b>LAST NAME</b>	<b>DEGREE</b>	<b>EXPECTED GRADUATION</b>
Jacob	Bauer	BA, Civil Eng.	May-07	Arati	Patel	BA, Psychology	May-05
Rose	Njim	BS, Accounting	Dec-03	Vijay	Patel	BSME	May-04



**Appendix 4. Research Projects and Proposals**  
**Continuing Projects**

PRINCIPAL INVESTIGATOR	PROJECT TITLE	SPONSOR	PROJECT PERIOD	
			From	To
Sue McNeil (for Norma Pena Rivera)	Eisenhower Transportation Fellowship	National Highway Institute	1/1/04	1/31/04
Kazuya Kawamura and Jung Taek Lee	HOV Bypass Lanes on Metered Expressway	Chicago Area Transportation Study		
Sue McNeil	Knowledge Discovery and Data Mining in Civil Infrastructure	NSF Subcontract to Carnegie Mellon University	2/1/01	1/31/04
Vonu Thakuriah	Low Income Worker Accessibility: A National Partnership Initiative	Community Transportation Association of America	7/1/03	6/30/04
Sue McNeil	Making The Chicago Transit Authority (CTA) More Competitive in the 21st Century	CTA Subcontract to Massachusetts Institute Technology	10/10/02	10/9/05
Joseph DiJohn	Metropolitan Transportation Support Initiative	Illinois Department of Transportation	6/23/03	6/30/05
Joseph DiJohn	Metropolitan Transportation Support Initiative	Illinois Department of Transportation	5/17/02	6/30/03
Siim Sööt	Outer Circumferential Land Use Study	S. B. Friedman & Company	9/1/02	2/28/04
Anthony Pagano	Rural Public Transportation Brokerage Research Project	Illinois Transportation Research Center	8/1/02	1/31/04
Sue McNeil	Technology Transfer for Asset Management in Transportation	American Association of State Highway and Transportation Officials	9/1/02	8/31/03
Vonu Thakuriah	Transportation Research for Low-Income Groups	Federal Transit Administration		
Kazuya Kawamura	Upper Midwest Freight Corridor Study	Midwest Regional University Transportation Center	8/15/03	10/14/04

### New Projects

PRINCIPAL INVESTIGATOR	PROJECT TITLE	SPONSOR	PROJECT PERIOD	
			From	To
Kazuya Kawamura and Sue McNeil	Business and Site Specific Trip Generation Methodology for Truck Trips	Midwest Regional University Transportation Center	7/1/04	6/31/05
Sue McNeil and Laxmi Ramasubramanian	Technology Transfer for Asset Management in Transportation (continuation)	American Association of State Highway and Transportation Officials	9/5/03	2/28/05
Joseph DiJohn	Transportation Information Clearinghouse (TIC) – Phase II	Regional Transit Authority	06/30/03	07/31/04
Joseph DiJohn	Disruption Management Template Development IDOT	Illinois Department of Transportation	07/01/03	06/30/04
Laxmi Ramasubramanian	Visualing Metra	Metra	9/1/03	8/31/04
Laxmi Ramasubramanian and P.S. Sriraj	Smart Growth Grant Writing	University of Maryland	07/01/03	06/30/04
Laxmi Ramasubramanian	Water Supply Planning Modeling Tool for Local Governments	UIUC/Illinois-Indiana Sea Grant College Program	03/01/04	02/28/06

## Proposals

PRINCIPAL INVESTIGATOR	PROJECT TITLE	SPONSOR	PROJECT PERIOD	
			From	To
Jung-Taek Lee (declined)	Hybrid Electric and High Occupancy Vehicle Lane Systems	Midwest Regional University Transportation Center	06/01/04	05/31/05
Sue McNeil and P.S. Sriraj (declined)	Individual and Social Factors Influencing the Accessibility of Metropolitan Trails	Robert Woods Johnson Foundation	08/16/04	08/15/05
Sue McNeil (declined)	An Exploration of Complex Systems Models as a Tool for Asset Management	Midwest Regional University Transportation Center	07/01/04	06/30/05
Sue McNeil	Complex Systems Models as a Tool for Asset Management	National Science Foundation	01/01/05	12/31/05
Sue McNeil, Kazuya Kawamura and Vonu Thakuriah	Cyber Transportation by Ubiquitous Computing	National Science Foundation	09/01/04	08/31/08
Sue McNeil, Laxmi Ramasubramanian and Kazuya Kawamura (declined)	Using Local Knowledge and Agent Based Simulation to Examine Risk and Resilience Factors Impacting Infrastructure	National Science Foundation	01/01/05	12/31/08
Sue McNeil (declined)	Collaborative IGERT in Infrastructure Management	National Science Foundation	01/01/05	12/31/09

## Appendix 5. Courses

### Civil Engineering Fall 2003

Course Number	Course Name	Instructor
CEMM 302	Transportation Engineering	Lin
CEMM 508	Urban Travel Forecasting	Mohammadian
CEMM 580	Infrastructure Management	McNeil

### UPP Fall 2003

Course Number	Course Name	Instructor
UPP 550	Physical Planning I: Theoretical Foundations	Ramasubramanian
UPP 560	Urban Transportation I: Introduction	Kawamura
UPP 565	Transportation Special Topics: Transportation Evaluation	Thakuriah
UPP 565	Transportation Special Topics: Transportation Finance	Schlickman
UPP 569	Infrastructure Management	McNeil

### Civil Engineering Spring 2004

Course Number	Course Name	Instructor
CEMM 402	Geometric Design of Highway Facilities	Mohammadian

### UPP Spring 2004

Course Number	Course Name	Instructor
UPP 504	Economic Analysis for Planning and Management	Kawamura
UPP 513	Data Analysis for Planning and Management II	Thakuriah
UPP 561	Urban Transportation II: Policy & Methods	Thakuriah
UPP 562	Urban Transportation III: Laboratory	Kawamura
UPP 563	Transportation Management	DiJohn
UPP 565	Urban Transportation Topics: Urban Mass Transit Technologies	Shiffer

## Appendix 6. Phone and Web Based Seminars

These seminars were sponsored by the International Telework Association & Council (TAC) and Association for Commuter Transportation (ACT).

<b>Date</b>	<b>Topic</b>
August 20	Access Management
October 15	Using TDM to Manage Traffic at Special Events
October 16	Professional Development Workshop: Commuter Choice Benefits
November 12 &13	Getting the Word Out
November 12 &13	Campaign Coordinator Tele-Seminar #3: Making the Pitch
February 26	The Best Work Places for Commuters
March 18	Planning a Media Announcement
April 7	Telework & America's Greatest Employers
April 7	How BWC Can Work for You
May 25	Pace Commuter Options Workshop
June 3	Communicating the TDM Concept in Business Terms
June 8	Innovative Funding Sources for TDM & Best Workplaces for Commuters

## Appendix 7. Fall Orientation

UTC Fall 2003 Research Assistant Orientation	
<b>Friday, August 30</b> 10:00 AM-11:45 AM  1:15 PM	UTC Orientation for ALL Students (Vonu Thakuriah) Room 110 Subject areas: Welcome & Introductions (Faculty & Staff) Housekeeping (Silvia Becerra, Gabrielle Brown, & James Kelly) What is UTC? What does it mean to be an RA at UTC? (Vonu Thakuriah) Picnic at Siim Soot's house
Friday, September 5 9:00 AM-12:00 PM	Overview of Computing (George Yanos) UTC Conference Room
Friday, September 12 10:00 AM-12:00 PM	Transportation Data and Modeling (Paul Metaxatos & Jung Taek Lee) UTC Conference Room
Friday, September 19 10:00 AM-12:00 PM	Overview of Projects (Sue McNeil or Vonu Thakuriah) UTC Conference Room
Friday, September 26 9:00 AM-12:00 PM	Skills: Introduction to Arc View (Lise Dirks) CUPPA Computer Lab, Room 251
Friday, October 3 9:00 AM-12:00 PM	Skills: Introduction to Arc View (Lise Dirks) cont'd CUPPA Computer Lab, Room 251
Friday, October 17 8:30 AM-5:00 PM	<i>Circumferential Transportation Systems-Meeting the Needs of the Future?</i> Transportation Symposium Student Services Building Rooms A, B, and C
Friday November 7 11:00 AM – 12:00PM	<i>Interactive Regional Highway Atlas</i> John Hallas, Mary Ellen Scott and Patrick Hill, Chicago Area Transportation Study (CATS)
Friday, November 13 11:00 AM – 12:00PM	<i>Employer Panel Discussion</i> Vida Morkunas, RTA Toulla Contantinou, CEMUSA Carmen Carruthers, City of Naperville Mary DeBacker, Parsons Brinckerhoff

Friday, December 5 11:00 AM – 12:00PM	<i>Well-to-Wheels Energy and Emission Effects of Fuel-Cell Vehicles Powered with Different Fuels</i> Dr. Michael Wang, Center for Transportation Research Argonne National Laboratory
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## Appendix 8. Spring Seminar Schedule

UIC, Urban Transportation Center Spring 2004 Seminar Series	
Friday, January 30 10:30 AM	Prof. Aimee Quinn UIC-Richard J. Daley Library <a href="#">Resources available and effective ways to conduct transportation research</a>
Friday, February 6 10:30 AM	Prof. Jaisung Choi University of Seoul & UTC Visiting Scholar <a href="#">Introduction of the Urban Transportation Center in the University of Seoul</a>
Friday, February 13 8:30 AM-4:00 PM	UTC Retreat
Friday, March 12 11:00 AM	Donna Ducharme Co-Director, The Delta Institute and President, ChicagoLand Redevelopment Institute <a href="#">Industrial Redevelopment with a Focus on Brownfields</a>
Friday, March 26	Spring break
Friday, April 2 11:00 AM	Dr. William Craig Associate Director of the Center of Urban & Regional Affairs and Co-Director MGIS program University of Minnesota <a href="#">GIS Ethics and Leadership (with a focus on transportation)</a>
Friday, April 9 11:0 AM	Victor Rivas Independent Transportation Consultant MUPP alumnus and former UTC research assistant <a href="#">Large Commercial Airports in the United States: Operating Revenue Framework</a>
Friday, April 16 11:00 AM	Guangqing Chi Doctoral Student University of Wisconsin, Madison <a href="#">An Examination of the Causality Between Highway Expansion and Population Change</a>

<p>Friday, April 23 11:00 AM</p>	<p>Sudhir Thakur Doctoral Student Ohio State University <a href="#">National and Regional Structural Changes in India: A Fundamental Economic Structure Approach</a></p>
<p>Friday, April 30 10:30 AM-12:00 PM</p>	<p>Presentation of project or thesis by UTC research assistants: <a href="#">Sanya Niumpradit, Nandini Swarup, Rachel Scheu, Amit Thomas and Jeromie Winsor</a></p>
<p>Friday, May 7 11:00 AM-11:30 AM</p>	<p>Juan F. Ortega PhD in Public Policy Analysis-Urban Planning, UIC and UTC research assistant <a href="#">Spatial Multicriteria Methodology for the Selection of Low-Income and Labor Market Accessibility Projects</a></p>

## Appendix 9. Annual Symposium

Urban Transportation Center  
College of Urban Planning and Public Affairs

University of Illinois at Chicago

2003 FALL SYMPOSIUM

Circumferential Transportation Systems: Meeting the Needs of the Future?

**October 17, 2003**  
**Student Services Building**  
**1200 W. Harrison**

8:00 a.m.	Registration and Continental Breakfast
8:30 a.m.	<b>Welcome:</b> Sue McNeil, Professor and Director UTC, UIC
	<b>Introduction and History of Circumferential Systems:</b> Joseph DiJohn, Research Professor and Director, Metropolitan Transportation Support Initiative and Siim Sööt, Director Emeritus, UTC, UIC
9:00 a.m.	<b>Transit Panel Discussion</b> , moderated by <b>Joseph DiJohn</b> Panelists: <b>Stephen B. Friedman</b> , President, S. B. Friedman & Company – “Land Use Implications of the Metra STAR Line Proposal” <b>Michael Fortner</b> , Mayor, City of West Chicago – “What does the Outer Circumferential Commuter Rail Service Mean to Suburbia” <b>Michael J. Shiffer</b> , Vice President for Planning and Development, CTA – “Proposal for a CTA Circle Line”
10:20 a.m.	Break
10:30 p.m.	<b>Highway Panel Discussion</b> , moderated by <b>Siim Sööt</b> Panelists: <b>Joseph Schwieterman</b> , Director, Chaddick Institute for Metropolitan Development, DePaul University – “Growth in Suburb-to-Suburb Driving: Causes and Consequences” <b>Candace Sauermann</b> , Project Manager, Illinois Department of Transportation – “The Gateway Connector Project” <b>Andrew V. Plummer</b> , Transportation Consultant and Retired Associate Executive Director, CATS – “A History of the Chicago Region’s Circumferential Highways”
12:00 p.m.	Lunch
12:30 p.m.	Luncheon Introduction: Joseph DiJohn
	<b>Keynote Speaker:</b> <b>Kirk Brown</b> , Principal – National Transportation Services, Hanson Professional Engineers, and former Secretary of Transportation, state of Illinois – “Congestion – How Bad Is It and What Should We Do About It?”
1:20 p.m.	Break
1:30 p.m.	<b>Discussion with Panelists and Audience</b> , moderated by <b>John McCarron</b> , Adjunct Professor, Northwestern University and writer on urban issues
3:00 p.m.	Adjourn

## Appendix 10. Service and Professional Memberships

### Service

- Commissioner, Parking and Transportation Commission, Village of Oak Park (since 2003)
- Committee on Committee and Centers, May 2004 – present
- Editorial Advisory Board, Transport Policy
- Editorial Board, International Journal of Transport Management
- Editorial Board, Transportation Research C: Emerging Technologies
- External Advisory Board, School of Civil and Environmental Engineering, Georgia Institute of Technology, member, 2002 – present.
- Member, Internal Steering Committee, Institute for Environmental Science and Policy, May 2002 – present.
- Member, UIC 2010, August 2003-present.
- National Science Foundation: Civil and Mechanical System Program Committee of Visitors, 2004
- Peer Exchange, District Department of Transportation, Washington DC, July 2003
- Peer Review, Connecticut Transportation Institute, Storrs CT, July 2003
- Sponsorship of the Metropolitan Planning Council 2003 Roundtable series.
- Theme chair – 6th International Conference on Managing Pavements, Brisbane Australia, October, 2004.
- University of Illinois at Chicago’s Urban Transportation Center in conjunction with the Midwest Chapter of the Association for Commuter Transportation (ACT) partnered with the National Center for Transit Research at the University of South Florida offered a web based professional development session. Chicago, IL, August, 20, 2003.

### Membership

Members represent UTC in various organizations including:

American Public Transit Association (APTA)

American Society of Civil Engineers (ASCE)

Infrastructure Management Committee

Chair – Applications of Advance Technology in Transportation Conference, 2006

Associate Editor Journal of Infrastructure Systems

Association for Commuter Transportation (ACT)

Board on Infrastructure and the Constructed Environment

Business Leaders for Transportation

Freeway and Multilane Highway

Greater North Michigan Avenue Association Transportation Committee

INFORMS

Institute of Transportation Engineers

Intelligent Transportation Systems (ITS)

Metropolitan Planning Council

Midwest Regional Science Association International, North American Chapter

Transportation Research Board (TRB)

Conduct of Research

Executive Committee

Freight

Properties of Concrete

Statistical Methodology and Statistical Computer Software in Transportation Research

Transportation Asset Management (Chair)

Travel Behavior and Values

Urban Freight Transportation

Vehicle –Highway Automation

World Conference on Transport Research (WCTR)

## Appendix 11. Publications and Presentations

### Book Chapters

**McNeil, Sue**, “Urban Transportation and Community,” in Christensen, Karen and David Levinson (General Editors). (2003). *Encyclopedia of Community: From the Village to the Virtual World*. Thousand Oaks, CA: Sage.

**McNeil, Sue**, “Asset Management,” in Fwa, Tien (editor) (Forthcoming 2004) *Highway Engineering Handbook*. CRC Press, Boca Raton, FL.

### Journal Papers

1. Doherty, S. T. and **A. Mohammadian**. “Application of Artificial Neural Network Models on Activity Scheduling Time Horizon.” *Transportation Research Record: Journal of the Transportation Research Board*, 1854, 2003.
2. Herabat, Paisit and **Sue McNeil**, “Impact of RVSM Implementation on the Airport System Infrastructure,” Forthcoming in the *Journal of Transportation Engineering*
3. **Kawamura, Kazuya, A. Seetharaman and S. dev Bhatta**. “Assessment of the Relationship between Vehicle Type Mix and the Benefit of Freight Projects.” *Logistics Systems for Sustainable Cities*, Elsevier. (In press).
4. **Kawamura, Kazuya**. “Perceived Benefits of Congestion Pricing for Trucks.” *Transportation Research Record* 1833, December 2003.
5. **Kawamura, Kazuya**. “Policy toward Integration of Land Use and Transportation Planning in the U.S. – Recent Developments and Future Prospects.” *City Planning Review*, City Planning Institute of Japan, August 2003 (In Japanese).
6. **Kawamura, Kazuya. A. Seetharaman and S. dev Bhatta**. “Economic Benefits of Freight Policy Relating to the Trucking Industry: An Evaluation of the RTP Freight Policy for the Chicago Six County Region.” *Transportation Research Record* 1833, December 2003.
7. **Kawamura, Kazuya**. “Transportation needs, location choice, and perceived accessibility for business establishments”. Forthcoming in *Transportation Research Record*.
8. Lange, Deborah, and **Sue McNeil**, “Brownfield Development: Tools for Stewardship,” *ASCE Journal of Urban Planning and Development*, Vol 130, No 2, pp. 109-116, June 2004.
9. Lange, Deborah and **Sue McNeil**, “Clean it and they will come? Defining Successful Brownfield Development,” *ASCE Journal of Urban Planning and Development*, Vol 130.2, (2004): 101-108.
10. **Lee, Jung-Taek and P. Thakuriah**. “Application of Probabilistic Linkage in Commercial Motor Vehicle Safety Sector.” Forthcoming in *Journal of Transportation Research Forum*.
11. **Lin, J.**, D.A. Niemeier (2003) A New Theory for Constructing Driving Cycles For Estimating Regional Air Quality Emissions Inventories. *Transportation Science*, Vol. 37, No. 3: 330-346.
12. **Lin, J.**, D.A. Niemeier (2003) Regional driving characteristics, regional driving cycles. *Transportation Research Part D*, Vol. 8, Issue 5: 361-381.
13. **Lin, J.**, S. Srinivasan, P. Rogers (2004) A Comparison between the China and India Urban Transport Infrastructure, submitted to *Journal of Transportation Statistics*, January.
14. **Metaxatos, Paul** “Estimation and Accuracy of Origin-Destination Highway Freight Weight and Value Flows.” *Journal of Transportation Statistics*, Vol. 6 (2/3): 67-80. (In press).
15. **Metaxatos, Paul and Anthony Pagano**.” Efficiency, Effectiveness Impacts of a Computer-Assisted Scheduling and Dispatching System Implementation.” *Journal of the Transportation Research Forum*. Vol. 43, No. 1, Spring 2004, 77-90.
16. **Metaxatos, Paul, P.S. Sriraj, Siim Soot, and Joseph DiJohn**. “Effect of Whistle-Blowing Bans on Accidents at Grated Rail-Highway Crossings: The Northeastern Illinois Experience.” *Journal of the Transportation Research Forum*. 2004. (In press).
17. **Mohammadian, Abolfazl** and E. J. Miller. “Dynamic Modeling of Household Automobile Transactions.” *Transportation Research Record: Journal of the Transportation Research Board*, 1831, 2003.
18. Norbert Delatte, Shen-en Chen, Nitin Maini, Neville Parker, Anil Agrawal, George Mylonakis, Kolluru Subramaniam, Akira Kawaguchi, Paul Bosela, **Sue McNeil**, Richard Miller, “The Application of

- Nondestructive Evaluation to Subway Tunnel Systems,” *Transportation Research Record* 1845, pp 127-135, 2003.
19. **Pagano, Anthony., Paul Metaxatos, and Alicia Morreale.** “State Strategies for Implementing Computer Assisted Scheduling and Dispatching Systems for Paratransit Brokerage and Coordination.” *Transportation Research Record*. 2004.
  20. **Ramasubramanian Laxmi** and J. Albrecht. “The Moving Target: Learning from GIS-based Surveillance,” *Journal of Medical Systems* (In press).
  21. **Ramasubramanian, Laxmi.** Technology Adoption and Use in Community-based Organizations: How Information Technologies Shape Planning Practice and Policymaking. *CityScape* (A publication of the U.S. Department of Housing and Urban Development). (In press).
  22. **Sinha, A. and P. Thakuriah.** “Relationship of Occupational, Industry and Socioeconomic Characteristics and Job Start Times: Evidence from Current Population Survey.” Forthcoming in *Journal of the Transportation Research Record*.
  23. **Shiffer, Michael, Arnab Chakraborty, Beth Donahue, Graham Garfield, Ramakrishnan Srinivasan and Sue McNeil,** “A Spatial Multimedia Representation of the Chicago Transit Authority’s Rail Infrastructure.” *Transportation Research Record* 1838, pp 1-10, 2003.
  24. **Sriraj, P. S., Shaumik Pal,** Libby Ogard and **Sue McNeil,** “Evaluation of Private Sector Asset Management Practices” *Transportation Research Record* 1848, pp 29-36, 2003.
  25. Switzer, Aileen and **Sue McNeil,** “A Road Map for Transportation Asset Management Research,” *Public Works Management and Policy*, Volume 8, Number 3, January 2004.
  26. **Winsor, Jeromie,** Lou Adams, **Laxmi Ramasubramanian,** and **Sue McNeil** “Transportation Asset Management Today: An Application of Community of Practice Collaboration in the Transportation Industry” Forthcoming in the *Journal of the Transportation Research Board*.

## Conference Presentations with Papers

- 1) **Ramasubramanian, Laxmi, and Sue McNeil**, “Visualizing Urban Futures: A Review and Critical Assessment of Visualization Applications for Transportation Planning and Research” Presented at the City Futures Conference, Chicago, July 2004.
- 2) Delatte, Norbert, Shen-en Chen, Nitin Maini, Neville Parker, Anil Agrawal, George Mylonakis, Kolluru Subramanian, Akira Kawaguchi, Paul Bosela, **Sue McNeil** and Richard Miller. “Using NDE to Evaluate the Conditions of Subway Tunnel Systems.” 3rd ASCE Forensics Congress. October 2003.
- 3) **Dillenburg, John F., Peter C. Nelson, Ouri Wolfson**, Oliver Yu, Aravinda Prasad Sistla, **Sue McNeil**, Aris M. Ouksel, Bo Xu and Jezekiel Ben-Arie, “Applications of a Transportation Information Architecture,” Presented at the IEEE International Conference on Networking, Sensing and Control, Taiwan, March 2004.
- 4) **Hart, Jonathon**, “Methodologies in Locating and Sizing Park-and-Ride Lots: A Synthesis”, Transport Chicago 2004.
- 5) **Fruin, Geoffrey, P.S. Sriraj and Sue McNeil**, “Analysis of the Environmental Justice Compliance of the Chicago Transit Authority”, Mid Continent Transportation Symposium, Iowa State University, Ames Iowa, August 2003.
- 6) **Gu, Xiaohua and Lisa Kramer**, “Comparative Assessment of Policies by State Governments to Reduce Ground Level Ozone Pollution”, Transport Chicago 2004.
- 7) **Kawamura, Kazuya**. “Transportation Needs, Location Choice, and Perceived Accessibility for Business Establishments.” 83rd Transportation Research Board Annual Meeting, Washington DC. January 2004.
- 8) **Lee, Jung-Taek**, “Analysis of Response Time on Freeway Crashes,” Transport Chicago 2004.
- 9) **Thakuriah, P. and Yihua Liao**. “Transportation Expenditures and Ability to Pay: Evidence from the Consumer Expenditure Survey.” Presentation in the North American Regional Science Council (NARSC) *Philadelphia, November 2003*.
- 10) **Lin, J.**, S. Srinivasan, P. Rogers, Urban Transport Infrastructure, Land Use and Air Quality Characteristics: a Comparative Analysis of China and India. 83rd Transportation Research Board Annual Meeting, Washington D.C., January 2004
- 11) **McNeil, Sue**. “Leveraging Information to Better Managing Infrastructure Assets,” 3<sup>rd</sup> International Symposium on Infrastructure Management and Finance. Kyoto, Japan. August 2003.
- 12) **Metaxatos, Paul**. “State Strategies for Implementing Computer Assisted scheduling and Dispatching Systems for Paratransit Brokerage and Coordination.” 83rd Transportation Research Board Annual Meeting, Washington, DC. January 2004.
- 13) **Mohammadian, Abolfazl**. and S. T. Doherty. “A Hazard Model for the Duration of Time between Planning and Execution of an Activity.” The Conference on Progress in Activity Based Analysis, Vaeshartelt Castle, Maastricht, Netherlands, May 2004.
- 14) **Mohammadian, Abolfazl**. “An Empirical Analysis of Travel and Housing Costs in the Greater Toronto Area.” 83rd Transportation Research Board Annual Meeting, Washington, DC. January 2004
- 15) **Niumpradit, Sanya and P. Thakuriah**. “Highway Expenditure and Economic Performance: Exploratory Analysis in a Multi-Year Cross-country Setting.” North America Regional Science Conference. Philadelphia, PA. November 2003.
- 16) **O’Laughlin, Roseann**, “Rails, Roads and Community: The role of Community Organizations in Transportation Projects,” Transport Chicago 2004.
- 17) **Ortega, Juan and Audrey Wennick**, “Development of an In-House Automated Vehicle Location System.” Mid-Continent Transportation Symposium, Iowa State University, August 2003.
- 18) **Ortega, Juan and P. Thakuriah**. “Cross-Sectoral Conceptualization of Job Accessibility Projects: A Spatial Multi-Criteria Decision Support System Application.” North America Regional Science Conference. Philadelphia, PA. November 2003.
- 19) **Pagano, Anthony**, Elizabeth Ogard and **Sue McNeil**, “A Model Process for Linking Asset Management to Strategic Planning,” paper presented at the Transportation Research Board Annual Meeting, Washington DC, January 2004.
- 20) **Pena-Rivera, Norma**, “Transportation Indicators for Land Use Transportation Planning,” Transport Chicago 2004.
- 21) Sanford Bernhardt, Kristen, and **Sue McNeil**, “An Agent Based Approach to Modeling the Behavior of Civil Infrastructure Systems,” Engineering Systems Symposium, Massachusetts Institute of Technology, March 29-31, 2004

- 22) **Sinha, Avinash and P. Thakuriah.** “Relationship of Occupational, Industry and Sociodemographic Characteristics and Job Start Times: Evidence from Current Population Survey.” paper presented at the Transportation Research Board Annual Meeting, Washington DC, January 2004.
- 23) Srinivasan, S., **Lin, J.** ,and P. Rogers, Comparing Air quality, land use and transportation characteristics in urban China and India: Making the case for integrated transit planning, presented at American Association of Geographers Annual Meeting, Philadelphia, PA, March, 2004.
- 24) **Sriraj, P. S.** “Private Sector Case Studies.” Transportation Research Record. Seattle, WA October 21, 2003 – October 23, 2003, Atlanta, GA November 28, 2003 – November 30, 2003.
- 25) **Sriraj, P.S., Geoffrey Fruin, and Sue McNeil.** “Analysis of the Environmental Justice Compliance of the Chicago Transit Authority.” Mid-Continent Transportation Symposium. Iowa State University, Ames, IA. August 2003.
- 26) **Thakuriah, Piyushimita and, J. Ortega.** “Using Public Participation to Identify Low-Income Worker Accessibility to Jobs: A Case Study of the Chicago Metropolitan Area.” Public Participation GIS Conference, Portland State University. July 2003.
- 27) **Thakuriah, Piyushimita and Y. Liao.** “Transportation Expenditures and Ability to Pay: Evidence from the Consumer Expenditure Survey.” North American Regional Science Conference. Philadelphia. November 2003.
- 28) **Thakuriah, Piyushimita, J. Ortega, and P.S. Sriraj.** “Spatial Data Integration for Low-Income Worker Accessibility Assessment: A Case Study of the Chicago Metropolitan Area.” Mid-Continent Transportation Symposium, Iowa State University, Ames IA. August 2003.
- 29) **Thakuriah, Piyushimita.** Job Access Services and Programs for Low-Income Workers: Some Comments. Proceedings of *City Futures Conference*, July, Chicago.
- 30) **Vaid, Nidhi.** “Collaborative Planning Using Computer Aided Visualization Tools: A Case Study of Oak Park, Illinois,” Tools for Community Design and Decision Making (TCDDM) Conference. San Francisco, CA. December 2003.
- 31) **Wennick, Audrey.** “Planning Policies Requiring Transportation and Land Use Coordination: Case Studies,” Fall 2003.
- 32) **Winsor, Jeromie, Lou Adams, Laxmi Ramasubramanian, and Sue McNeil** “Transportation Asset Management Today: An Application of Community of Practice Collaboration in the Transportation Industry” paper presented at the Transportation Research Board Annual Meeting, Washington DC, January 2004.
- 33) **Winsor, Jeromie, S. McNeil, and Laxmi Ramasubramanian.** “Transportation Asset Management Today: An Evaluation of an Emerging Virtual Community of Practice.” Mid-Continent Transportation Symposium, Iowa State University, August 2003.
- 34) **Zhou, Jaingpin.g and Thakuriah, Piyushimita.** “Federal Level Congestion-related Legislation in the U.S.A. and Implications for China.” The 3rd International Conference of Young Chinese Transportation Professionals. Beijing, China, December 2003.

## Technical Reports and Working Papers

**Ansarai, Farhad, Ying Bao, Sue McNeil, Adam Tennant, Ming Wang and Laxmana Reddy Rapol,** "Evaluation of Bridge Inspection and Assessment in Illinois," Project IVD-H1, FY 00/01, Report No. ITRC FR 00/01-3, Urban Transportation Center, University of Illinois at Chicago, Illinois Transportation Research Center, Illinois Department of Transportation, December 2003.

[http://condor.utc.uic.edu/~mcneil/itrc/Final\\_report\\_FINAL.pdf](http://condor.utc.uic.edu/~mcneil/itrc/Final_report_FINAL.pdf)

Delatte, N; Chen, S; Maini, N; Parker, N; Agrawal, A; Mylonakis, G; Subramaniam, K; Kawaguchi, A; Bosela, P; **McNeil, S**; Miller, R, The Application of Nondestructive Evaluation to Subway Tunnel Systems, Final report for Great Cities Universities Coalition Transportation Initiative Task 008 Maintenance and Management of Transit Infrastructure. [http://www.eng.uab.edu/cee/GCUTI/project\\_8.htm](http://www.eng.uab.edu/cee/GCUTI/project_8.htm)

**DiJohn, Joseph and Karin Allen.** "Transit Information Clearinghouse." Final Report for RTA Board. February 2004.

**DiJohn, Joseph.** "Report of METSI Activities." IDOT Fall Planning Conference. Southern, IL. September 2003.

**Kawamura, Kazuya,** "Policy toward Integration of Land Use and Transportation Planning in the U.S.- Recent Developments and Future Prospects". invited contribution in City Planning Review, City Planning Institute of Japan (in Japanese) Fall 2003.

**Lee, Jung-Taek and P.S. Sriraj.** "MUTCD 2000 Training Course Material," Final Report for Bureau of Signs and Marking. Chicago Department of Transportation. October 2003.

**Pagano, Anthony, McNeil, Sue; Morreale, Alicia,** Ogard, Libby, **Pal, Shaumik, Scherman, Jon, and Berner, Jane;** Best Practices for Linking Strategic Goals and Implementation Decisions Using Elements of a Transportation Asset Management Program, Final Report, Midwest Regional University Transportation Center, June, 2004.

Sen, Ashish, **Paul Metaxatos, and Siim Sööt.** "Principal Findings: Statistical Analysis of the Chicago Area Treatment in the FRA's Interim Final Rule on the Use of Locomotive Horns at Highway-Rail Grade Crossings." Final Report. Illinois Department of Transportation. Docket # FRA-1999-6439-3631, 278377\_web.pdf. Docket # FRA-1999-6439-3703, 278555\_web.pdf (Attachment C). Docket #: FRA-1999-6439-3694, 278533\_web.pdf (Attachment A). March 2004.

Sen, Ashish, **Paul Metaxatos, and Siim Sööt.** "Technical Appendix to Principal Findings: Statistical Analysis of the Chicago Area Treatment in the FRA's Interim Final Rule on the Use of Locomotive Horns at Highway-Rail Grade Crossings." Illinois Department of Transportation. Docket # FRA-1999-6439-3703, 278555\_web.pdf (Attachment C). Docket Number FRA-1999-6439-770, 280118\_web.pdf (Attachment C). 2004.

**Thakuriah, Piyushimita and S. Niumpradit.** "The Analysis of the Impact of Intelligent Transportation Systems to the Economy: The Case of Electronic Toll Collection Systems. Report III to METSI" August, 2003.

**Thakuriah, Piyushimita, Juan Ortega, and P. S. Sriraj.** "Spatial Data Integration Using a Cross-Sectoral Approach UIC-FTA Working Paper WP-3C-04.

**Thakuriah, Piyushimita, S. Soot, P. S. Sriraj** and C. Dickson. "Partnerships for Low-Income Transportation: Final Report from a Focus Group Held in Des Moines, Iowa. Report to Federal Transit Administration (FTA)." February, 2004.

**Thakuriah, Piyushimita, Yihua Liao.** "Dynamics of Subsidies and Vehicle Ownership Decisions of Low-Income Families." UIC FTA Working Paper WP-3B-04.

## **Presentations/Invited Colloquia**

- 1) **Berman, Joost G. and Siim Sööt.** "How Do the Working Poor Commute? Evidence from PUMS." Conference of Chicago Research and Public Policy: The Changing Face of Metropolitan Chicago, University of Chicago. Chicago, IL May 12-13 2004.
- 2) **DiJohn, Joseph and Siim Sööt.** "Collar County Case Studies: Transportation Research Plus Action Equals Results." Life Long Learning Day. November 2003, Chicago
- 3) **DiJohn, Joseph and Siim Sööt.** "Presentation of UTC Research Activities at the Illinois Department of Transportation." Annual Fall Planning Conference. Rend Lake, Illinois. September 2003
- 4) **DiJohn, Joseph.** "Transportation Funding Database" Transportation Coordinating Committee, Illinois Department of Housing. July 2003.
- 5) **DiJohn, Joseph.** "Strategies for Improved Traveler Information." TCRP. July 2003.
- 6) **DiJohn, Joseph.** "Trends in Housing Affordability: How Does Chicago Rank?" Conference on Chicago Research and Public Policy: The Changing Face of Metropolitan Chicago, University of Chicago. Chicago, IL May 2004.
- 7) **DiJohn, Joseph.** Tour and presentation of region's transit facilities to public officials from Houston, Texas. August 2003.
- 8) **Kawamura, Kazuya.** "Evaluating the Monetary Benefit of Truck Travel Time Savings : A Case of Toll Roads." Wisconsin ITS Alliance Annual Meeting, March 15, 2004 (Academic and professional audiences)
- 9) **Lin, Jie (Jane).** "Understanding Transportation, Land Use, and Air Quality." University of Chicago, Department of Statistics, Center for Integrating statistics and Environmental Science (CIESE). Chicago, IL. May 13, 2004.
- 10) **McNeil, Sue.** "Information and Tools to Support Transportation Asset Management" Seminar, Department of Civil Engineering, Rensselaer Polytechnic Institute, April, 2004.
- 11) **McNeil, Sue.** "Infrastructure Management – Supporting the Process with Pictures and Numbers", presentation to the ASCE Student Chapter, Lafayette College, April, 2004.b
- 12) **McNeil, Sue.** "Transportation Asset Management and Information Technology Over the Last Decade," Distinguished Lecture Series, Department of Civil Engineering, University of Texas at Austin, March, 2004
- 13) **Metaxatos, Paul.** "Definitional and Computational Issues with Entry-level Job Openings in Chicago." Conference on Chicago Research and Public Policy: The Changing Face of Metropolitan Chicago, University of Chicago. Chicago, IL May 2004.
- 14) **Metaxatos, Paul.** "Experiences from the 5115 Study" Committee on National Statistics, National Academies of Sciences. Woods Hole, MA. September 2003.
- 15) **Misek, Shamus.** "Pre-tax Commuter Benefits." October and November 2003. Hoffman Estates and Evanston Illinois.
- 16) **Misek, Shamus.** "Transportation Information Clearinghouse (TIC) Project." Conference of Chicago Research and Public Policy: The Changing Face of Metropolitan Chicago, University of Chicago. Chicago, IL May 12-13 2004.

- 17) **Misek, Shamus.** "University TDM & Commuter Choice Strategies." Mid-American Regional Council and Association of Commuter Transportation (ACT) "Midwest Commuter Choice Workshop" Kansas City, MO June 18, 2004.
- 18) **Misek, Shamus.** "Commuter Choice Benefit Strategies for Business." LEED Council Business/Employer Workshop "Workforce Transportation Solutions for Businesses & Employers to Save Money and Time" Chicago, IL March 10, 2004
- 19) **Mohammadian, Abolfazl.** Keynote speaker. "Transportation Engineering: Challenges and New Opportunities," 4th International Congress and 15th National Congress of Civil Engineering Students. ASOCIACIÓN NACIONAL DE ESTUDIANTES DE INGENIERÍA CIVIL (ANEIC), Manizales, Colombia. March 1 – 6, 2004.
- 20) **O’Laughlin, Roseann,** “Mind the Gap,” UPP Brown Bag, September, 2004.
- 21) **Ramasubramanian Laxmi.** “E-Planning with Youth: Creating Spaces of Engagement.” 100<sup>th</sup> Association of American Geographers Annual Meeting. Philadelphia. March 2004.
- 22) **Sööt, Siim and Joseph DiJohn.** “Transportation Research Plus Action Equals Results” Life Long Learning Day. November 2003, Chicago.
- 23) **Thakuriah, Piyushimita.** “Job Accessibility for Low-Income Workers. Needs Assessment, Trends and Evaluation.” Northwestern University Transportation Seminar Series. Chicago. Dec. 4, 2003.
- 24) **Thakuriah, Piyushimita.** “Low-Income Worker Accessibility: Survey of JARC-Funded Transit in 23 Sites.” Invited speaker at the Community Transportation Association of America Expo, Philadelphia, June 2003.
- 25) **Thakuriah, Piyushimita, P. S. Sriraj and Yihua Liao.** “Welfare Reform and Environmental Justice: Implications for Policy, Planning, and Partnership Aspects of Low-Income and Minority Worker Accessibility.” Conference of Chicago Research and Public Policy: The Changing Face of Metropolitan Chicago, University of Chicago. Chicago, IL May 12-13 2004.
- 26) **Welch, Eric, Gu, Xiaohua and Lisa Kramer,** “Comparative Assessment of Policies by State Governments to Reduce Ground Level Ozone Pollution,” 2004 Chicago Joint Conference on the Environment.
- 27) **Zhou, Jiangping, Siim Sööt.** “Contemporary Chicago Area Travel Behavior: Evidence from the 2001 National Household Travel Survey and Census 2000.” Conference of Chicago Research and Public Policy: The Changing Face of Metropolitan Chicago, University of Chicago. Chicago, IL May 12-13 2004.

**Appendix 12. Thesis and Dissertations and Projects**

<i>Last Name</i>	<i>First Name</i>	<i>Thesis/ Dissertation Title</i>	<i>Thesis Advisor</i>	<i>Degree</i>
Angraenni	Fenny	NA	NA	Masters of Accounting
Chakraborty	Arnab	Design Guidelines for Better Median Station Environments	Sue McNeil/ Laxmi Ramasubramanian	MUPP
Fronczak	David	The Legal Challenge Against the Lincoln Central Special District Overlay: Assessment of the Validity of the Ordinance	Martin Jaffe	MUPP
Fruin	Geoffrey	A Methodology to Evaluate the Equitable Distribution of the Chicago Transit Authority's Capital Budget	Sue McNeil/ P.S. Sriraj	MUPP
Garfield	Graham	Elevating Station Design: A Cost/Benefit Analysis of Rehabbing Existing Transit Stations Versus All-New Build-Outs	Sue McNeil	MUPP
Hammerle	Meghan	Analysis of Automatic Vehicle Location and Passenger Count Data for the Chicago Transit Authority	Sue McNeil	MUPP
Laxmana Reddy	Rapol	The Taxicab Industry in Chicago: Past, Present and Future	Sue McNeil	MS
Mahajan	Shruti	Assessing the Relationship Between Property Values and Traffic Along Arterial Corridors in Chicago	Kazuya Kawamura	
Nidhi	Vaid	Using Design Guidelines to Enhance the Quality of Users' Experience at Urban Transit Stations.	Sue McNeil	MUPP
Niumpradit	Sanya	Modeling Relationships between Highway Expenditure and Economic Performance: An International Analysis	Piyushimita Thakuriah	PhD
O'Laughlin	Roseann	Rails, roads, and Community: the Role of Community organizations on Transportation Projects	Sue McNeil/ Janet Smith	MUPP
Ortega	Juan	Spatial Multimedia Methodology for the Selection of Low-Income and Labor Market Accessibility Projects	Piyushimita Thakuriah	PhD
Swarup	Nandini	Cost Benefit Analysis of Alternate Management Mechanisms for RTA's Transit Check Program	Sue McNeil	MUPP
Wang	Xuemei	NA	NA	Masters of Accounting

Winsor	Jeromie	Context Sensitivity for Illinois Transportation Projects: Evaluation and Recommendations	Sue McNeil	MUPP
Zhai	Dong	Infrastructure Management for the Chicago Transit Authority Using GIS and Data Management	Sue McNeil	MUPP
		<b>Project Title</b>		
Akins	Monica	Strategic Methods to Improve the RTA Transit Check	Sue McNeil	MUPP
Garfield	Graham	Elevating Station Design: A Cost/Benefit Analysis of Rehabbing Existing Transit Stations Versus All-New Build-Outs	Sue McNeil	MUPP
Kannan	Brinda	Convention Center for the city of Columbia (South Carolina)	Ammar Eloueini	Art and Architecture
Wennick	Audrey	Planning Policies Requiring Transportation and Land Use Coordination: Case Studies	Siim Soot	MUPP

### **Appendix 13. Student Awards**

Geoffrey Fruin. Second prize in the student paper competition at the 2004 Transport Chicago Meeting.

Lisa Kramer. 2004 Chicago Federal Executive Board Public Service Scholarship.

Shruti Mahajan. Helene M. Overly Memorial Scholarship from the Women's Transportation Seminar (WTS) Greater Chicago Chapter.

Shruti Mahajan. 2004 Institute of Transportation Engineers (ITE) Scholarship.

Jeromie Winsor. Awarded prize from the E-Gov Institute for Knowledge Management.

Jiangping Zhou. 2004 Krambles Scholarship winner.