

CTS CONFERENCE PROGRAM ENCLOSED

The preliminary program and registration form for the Center's Seventh Annual Transportation Research Conference are enclosed with this *Report*. The conference begins on May 14 with opening remarks by Commissioner **James Denn** of the Minnesota Department of Transportation (Mn/DOT). **Curt Johnson**, chair of the Metropolitan Council, will give the keynote speech on "Transportation Decisions Today—Quality of Life Tomorrow." Next, two speakers—**Ken Greenberg**, architect and urban designer with BLGDG in Toronto, and **Barbara Lukermann**, senior fellow with the Humphrey Institute and president of the Citizens League—will give remarks and expand on Johnson's speech. They will then join Johnson in a panel discussion with the audience. Also on May 14, CTS will host an exhibit session and hold its spring luncheon with Professor **Robert Cervero** of the University of California, Berkeley, who will present "The Transit Metropolis: Myths vs. Realities." The conference will close on May 15 with a luncheon speech by Professor **Mary Kihl** of Arizona State University on "Rural Passenger Transportation: Nostalgia or Innovation." Details for all these events are in the conference program. For further information, call **Catherine Ploetz** at (612) 626-2259.

CTS WINTER LUNCHEON SPEAKER IDENTIFIES FORCES DRIVING LOGISTICS

Professor **C. John Langley** of the University of Tennessee presented "Logistics Innovation and its Impact on the Transportation Industry" at the Center's winter quarter luncheon on February 21. Langley described eight forces that will drive logistics in the 21st Century:

1. Integrated supply chain management (SCM), an expanded version of traditional logistics management that encompasses the relationship between firms in the supply chain. Common objectives of SCM are a reduction in total inventory investment and improved cycle times and service levels for supply chain customers.
2. Emphasis on customer satisfaction and customer value.
3. New information technologies.
4. Transportation mega-changes, such as consolidation in the rail industry.
5. Globalization, where worldwide sourcing and distribution will be essential to competitive responsiveness.
6. The environment, including issues such as packaging, fuel conservation, and traffic congestion.
7. Outsourcing of logistics responsibilities and the creation of third party logistics, involving fundamental changes in inter-firm relationships.
8. Logistics process reengineering—key success factors include a focus on key business processes, aggressive goals, and a willingness to change.

Langley then outlined the major impacts of logistics on transportation. First, the emphasis on logistics and SCM in today's rapidly changing business environment enhances the strategic value of transportation. Logistics issues also illustrate the need for the transportation industry to exploit new technologies, and for government to reengineer its role. And finally, his closing proposition was that "whatever business you might be in, 'business as usual' is canceled." For a copy of the audiotape, call CTS at (612) 626-1077.

CTS HOLDS LOGISTICS ROUNDTABLE PRIOR TO LANGLEY LUNCHEON

C. John Langley participated in two additional events on the day of his luncheon speech. Prior to the luncheon, CTS hosted a roundtable session for invited guests in the logistics field. Approximately 30 persons from the public and private sectors discussed issues such as the role of suppliers, human resource management, managing change, and the role of the public sector. **Richard Murphy Jr.** and **Paul Gorder** of the Twin Cities Roundtable of the Council of Logistics Management (CLM) helped CTS moderate the discussion. Following the luncheon, Langley met with representatives of educational institutions—including Professors **Fred Beier** and **Jerry Fruin** of the University of Minnesota and others representing Mankato State, North Dakota State, and St. Thomas—to discuss how universities could work more closely with business and government to improve logistics education.

CLM CHAPTER OFFERS SEMINAR ON SUPPLY CHAIN MANAGEMENT

The Twin Cities Roundtable of the Council of Logistics Management is offering a seminar titled "Supply Chain Management: Identifying Core Competencies and Evaluating Solutions," on March 22. The seminar will feature speakers from companies such as 3M, Schneider National, Pillsbury, and Unisys. Speech topics will include utilizing supply chain as a strategic weapon; reengineering the customer service process; supply chain transportation strategies; creating the ultimate supplier partnership; and global logistics quality measurement. The seminar will take place at the Doubletree Grand Hotel in Bloomington. For more information contact **Kevin McCarthy** at (612) 937-6731.

PROCEEDINGS AVAILABLE FROM POLICYMAKERS' FORUM, LOCKWOOD SPEECH

CTS has published *Getting There From Here: Views on the Financing and Future of Transportation*. This document is a 40-page proceedings of two CTS winter quarter events: the Policymakers' Forum and Working Session on Innovative Financing, held on November 27, and the Center's fall quarter luncheon, on December 5. Forum speakers included **Jane Garvey**, deputy administrator of the Federal Highway Administration; **John Platt**, chief of staff of the Ohio Department of Transportation; and **Robert Poole**, president of the Reason Foundation. The fall luncheon speaker, **Stephen Lockwood** of Parsons Brinckerhoff, gave a provocative speech titled "Private Provision of Mobility Services in the 21st Century: How it Happened." For a copy of the proceedings, call CTS at (612) 626-1077.

ITS INSTITUTE HOLDS FREEWAY OPERATIONS WORKSHOPS

The Intelligent Transportation Systems (ITS) Institute conducted five half-day freeway operations workshops in January and February. Dr. **Eil Kwon**, senior research associate, facilitated the workshops, which were attended by nine Mn/DOT traffic engineers. The workshops covered daily freeway management issues, KRONOS modeling approaches, hands-on exercises with KRONOS, and future directions. The KRONOS freeway simulation software has been developed by the University of Minnesota, with financial support from Mn/DOT and CTS.

NEW STUDENT CAREER PREPARATION SEMINAR IN APRIL; STUDENT JOBS ATTACHED

The CTS Education Council, in cooperation with the Women's Transportation Seminar (WTS) and the Minnesota Local Road Research Board (LRRB), is offering a new event, the "Transportation Career Preparation Seminar." It will be held on **April 24** from 4:00 p.m. to 8:00 p.m. at Coffman Memorial Union on the east bank campus. The half-day program includes sessions highlighting transportation career alternatives and preparation strategies, and will conclude with a reception and job fair offering networking and employment-seeking opportunities. Employers interested in reserving space for the job fair should contact **Charleen Zimmer**, SRF, at (612) 475-0010, or **Dawn Spanhake**, HNTB, at (612) 920-4666. To register for the event, contact **Catherine Ploetz** at (612) 626-2259. In other student news, CTS again includes with this *Report* a listing of student job/internship opportunities.

ADVISORY BOARD, COUNCILS TO MEET ON MAY 13

The CTS Councils and Advisory Board will meet on May 13, the day prior to the CTS conference. The location for these meetings is the Sheraton Park Place Hotel in Minneapolis. The concurrent council meetings, which are open to anyone interested, will start at 3:00 p.m., and the Advisory Board will meet in the evening.

MINNESOTA T² PUBLISHES WORKSHOP CATALOG

The Minnesota Technology Transfer (T²) Program recently published its workshop catalog for 1996. The catalog includes information about T² workshops offered around the state, as well as for the Circuit Rider Van and the Customized Mechanic Training Programs. If you would like a copy, call CTS at (612) 626-1077. T² also plans to publish three other catalogs early this year: an updated videotape catalog, a research report catalog, and an "experts" catalog. Watch future issues of the *Report* for publication information.

FACULTY ACTIVITIES

Professor **Shashi Shekhar** of Computer Science was an invited expert panelist in a conference on "Object Orientation in Navigable Databases" held in Santa Barbara on March 15-16. The conference sponsor was the National Center for Geographic Information and Analysis. Shekhar has also been invited to chair the Association for Computing Machinery International Conference on Geographic Information Systems, to be held in Baltimore in December 1996. A paper by **Barbara J. Kanninen** of the Humphrey Institute was published in *Transportation Research Part A* 30(1), January 1996. The paper is titled "Intelligent Transportation Systems: An Economic and Environmental Policy Analysis." Dr. **Alex Wagenaar** of Epidemiology made two presentations at the Third International Conference on Injury Prevention and Control in Melbourne, Australia, on February 18-22. His presentations were: "Privatizing Alcohol Sales: Implications for Alcohol Use and Injury," and "Drink-Driving Control Efforts: A Meta-analysis of Literature." **Tim Larson** and **Bob Seavey** of Forest Products made a presentation in January to the Mn/DOT Bridge Inspectors meeting on the inspection of timber bridges.

ITS FORUM IS POSTPONED

The ITS Institute has postponed the date of its first ITS Forum. It will not be held on March 20-21 as previously announced. ITS Forums are a component of the ITS Institute's *Institute Partners & Affiliates Program*. For program information, contact **Steve Hay** at (612) 626-1808.

TELL US WHAT YOU THINK: *MONTHLY REPORT* SURVEY ENCLOSED

Each month the *Report* tells you about transportation-related programs and events at the University. Now it's your turn to tell us what you like—or don't like—about the *Report* and offer suggestions for improving it. We ask you to fill out the enclosed preaddressed, postage-paid survey and drop it in the mail by **April 15**. The survey, developed with the guidance of the CTS Information/Outreach Council, asks you about content, readability, format, and other matters. It also has several questions asking about your interest in reading the *Report* and other CTS publications on the World Wide Web. We thank you in advance for your time.

UPCOMING TRANSPORTATION AND RELATED EVENTS

If you wish to publicize an event, call **Pam Snopl**, Center editor, at (612) 624-0841, or fax your announcement to (612) 625-6381. For other Center information, please call (612) 626-1077.

- Mar. 12-21 Minnesota Petrofund "Operation Outreach" Educational Presentations, locations throughout the state. Covers rule changes governing applicants for reimbursement of petroleum tank release cleanup costs. Call **John Bailey**, (612) 296-2843.
- Mar. 22 "Supply Chain Management: Identifying Core Competencies and Evaluating Solutions" Seminar, Doubletree Grand Hotel, Bloomington. Sponsor: Twin Cities Roundtable of the Council of Logistics Management. Call **Kevin McCarthy**, (612) 937-6731.
- Mar. 26-28 "Improving Pavements with LTPP: Products for Today and Tomorrow," Irvine, Calif. Contact **Cindy Baker** of TRB, (202) 334-1430.
- Mar. 27 "Wetlands '96," 11:30 a.m. to 2:00 p.m., Radisson South, Bloomington. Sponsor: Sensible Land Use Coalition. Call **Pat Arnst**, (612) 474-3302.
- Apr. 2-4 American Concrete Pavement Association (ACPA) educational seminar on concrete pavement rehabilitation, Sheraton Inn, Harrisburg, Penn. Call ACPA, (847) 966-2272.
- Apr. 15-17 Center for Aggregates Research 4th Annual Symposium, Sheraton Colony Square Hotel, Atlanta. Hosts: Texas A&M, University of Texas at Austin. Contact **Dallas Little** or **Barbara Hein**, (409) 845-9847.
- Apr. 24 CTS Student Career Preparation Seminar, Coffman Memorial Union, Minneapolis. Call CTS, (612) 626-1077.
- Apr. - May League of Minnesota Cities 1996 Safety and Loss Control Workshops, nine locations throughout the state. Contact **Tina Folch-Freiermuth**, (800) 925-1122, or (612) 215-4069.
- Apr. - June "Inventory Management" Class and "Logistics" Class, various locations. Part of the American Production and Inventory Control Society (APICS) certification program. Contact APICS, (612) 941-7305.
- May 9-11 Third National Aviation Planning Symposium, Rochester. Sponsors: TRB Intergovernmental Relations and Aviation Committee, National Association of States Aviation Officials, Federal Aviation Administration, Mn/DOT Office of Aeronautics, and National Association of Regional Councils. Contact **Catherine Ploetz**, (612) 626-2259.
- May 13 CTS Council Meetings, Sheraton Park Place, Minneapolis. Call **Catherine Ploetz**, (612) 626-2259.
- May 14-15 CTS Seventh Annual Transportation Research Conference, Sheraton Park Place, Minneapolis. Contact **Catherine Ploetz**, (612) 626-2259.