

APRIL REPORT

1994 A monthly report on transportation research, education, and information/outreach activities at the University of Minnesota

SPERLING IS SPRING LUNCHEON SPEAKER

The Center's spring quarter luncheon on May 12 will feature **Daniel Sperling**, who will present "Clean Cars and Sustainable Transportation." Sperling is professor of environmental studies and transportation engineering at the University of California, Davis, and founding director of the campus's Institute of Transportation Studies. He manages a million dollar research program on "Assessment of Electric and Natural Gas Vehicles" (funded by California government and industry), and co-manages two similar-sized research programs: "The Future of Motor Vehicles in an Environmentally Constrained World (funded by Volvo, Nissan, Exxon, Shell, General Motors, and the USDOT), and "Neighborhood Electric Vehicles" (funded by a California-based public-private consortium). He holds a doctorate from the University of California, Berkeley. The spring luncheon is being held in conjunction with the Center's Fifth Annual Transportation Research Conference (see below). The cost of the luncheon is included in the conference registration fee, so you do not need to register separately if you attend the conference. If you plan to attend the Sperling luncheon only, please indicate so on the registration form in your conference brochure (mailed with the *March Report*). If you need another copy of the conference brochure or would like additional information, call **Lori Graven** at (612) 625-9023.

CTS CONFERENCE REMINDER

Registration is under way for the Center's Fifth Annual Transportation Research Conference, to be held May 12-13 at the Sheraton Park Place Hotel in Minneapolis. As noted above, **Daniel Sperling** will be the featured luncheon speaker on May 12. Other honored speakers are **Thomas F. Humphrey**, director of the Region One University Transportation Center at MIT in Cambridge, Mass., who will discuss "Twenty-First Century Challenges for University Transportation Research" at the opening plenary session; and Federal Transit Administration deputy administrator **Grace Crunican** (invited), who will present "The Post-ISTEA World: What Comes Next?" at the closing luncheon on May 13. If you need additional copies of the preliminary conference program and registration form, please call **Lori Graven** at (612) 625-9023.

BEARING CAPACITY OF ROADS AND AIRFIELDS CONFERENCE IS THIS JULY

The final program for the Fourth International Conference on the Bearing Capacity of Roads and Airfields is enclosed with this issue of the *Report*. The conference—July 17-21, 1994, at the Radisson South Hotel in Minneapolis—is cosponsored by Mn/DOT, the Federal Highway Administration, CTS, the U.S. Army Corps of Engineers, the Federal Aviation Administration, and the National Research Council of Canada. The conference will include concurrent sessions with speakers from around the world, a technical exhibition of products, and a field trip to the Minnesota Road Research Project (Mn/ROAD) facility. For further details contact **Lori Graven** at (612) 625-9023.

DIRECTOR SEARCH COMMITTEE RECEIVES 66 APPLICATIONS

The CTS director search committee, chaired by Professor **Fred Beier**, has received 66 applications in response to its national search for a successor to **Dick Braun**. Of this total, nine applicants had been nominated for the position. The committee will meet this month to begin examining the applications, and will then invite top candidates to Minnesota for interviews.

IN MEMORIAM: JOHN RILEY

John Riley, member of the CTS Executive Committee and former chair of the Regional Transit Board, died last month of complications from brain cancer. Riley served as head of the Federal Railroad Administration from 1983 to 1989, and was considered an expert in high-speed rail. He came to Minnesota in January 1991 to become commissioner of the Minnesota Department of Transportation, a job he held for eight months until Gov. **Arne Carlson** named him chief of staff. Riley's articulate contributions to CTS Executive Committee meetings, especially on the importance of the Center's role in technology transfer, will be missed. A memorial mass will be held on April 8 at 7 p.m. at St. Louis Catholic Church, 506 Cedar St., St. Paul, 55101. Contributions may be sent to the church in care of the Bell Tower Fund.

ANNUAL ADVISORY BOARD AND SPRING COUNCIL MEETINGS SCHEDULED

Each spring on the day prior to the CTS conference, the Center's Advisory Board holds its annual meeting in the evening and the six CTS Councils hold their concurrent meetings in the afternoon. This year these meetings will occur on May 11 at the Sheraton Park Place Hotel in Minneapolis. Council meetings, which are open to anyone interested, will start at 3:00 p.m. The Advisory Board meeting will include discussion of new initiatives being proposed by the CTS Councils and staff.

STUDY TO EXAMINE IMPACT AND RESULTS OF CTS RESEARCH

Under the direction of CTS Research Coordinator **Laurie McGinnis**, the Center has initiated a study of the impact and results of CTS research. The objectives of the project are threefold: (1) to identify significant contributions of CTS research and CTS-sponsored activities to the transportation industry; (2) to make these contributions known to decision-makers and the general public; and (3) to further promote excellence in transportation research at the Center. The project will investigate and document an array of potential contributions, including applied research findings, students placed in the transportation field, advancement of professional relationships and partnerships, and exchange of information in workshops and conferences. Planned components of the project include creating and distributing surveys, conducting interviews, and meeting with CTS councils. The Information/Outreach Council, chaired by **Renee McGivern**, heard project plans at a February council meeting, and will monitor the project for potential follow-up activities. A final project report is expected early this summer.

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GUIDESTAR HOLDS STRATEGIC PLANNING MEETINGS

Minnesota Guidestar, the state's Intelligent Vehicle-Highway Systems (IVHS) program, recently completed a series of meetings for updating its strategic plan. Guidestar Executive and Steering Committee members provided their input, and several members of Guidestar stakeholder organizations—including University faculty and CTS—held breakout sessions. The results will be pulled together by **Jim Wright** of Mn/DOT and his staff for review by the Steering Committee and for ultimate approval by the Executive Committee this summer. The plan will support the national strategic plan developed by the USDOT and IVHS AMERICA, and will define short-term and long-term goals for Guidestar in IVHS research, operating tests, and deployment.

IVHS INSTITUTE HIRES LAB MANAGER

The Center's IVHS Institute, directed by **Dennis Foderberg**, has hired **Lowell A. Benson** to manage its IVHS laboratory. The lab will be housed in the Center's new office space now under construction on the Minneapolis east bank campus. Benson worked for Unisys (formerly Sperry) Corporation for the past 30 years, most recently as senior staff systems engineer with the Air Traffic Control (ATC) Systems Engineering Department. He also served as system engineer in a Unisys demonstration project for the Guidestar Genesis program, and wrote a business plan for the company's conversion from defense to non-defense technologies (including IVHS). He holds a bachelor's of electrical engineering degree from the University of Minnesota. His first day with CTS is April 1. The Center thanks **Bob Benke** and **Linda Taylor** of Mn/DOT and Professors **Yorgos Stephanedes** and **Peter Hancock** for serving on the search committee.

CALL FOR PAPERS: PUBLIC WORKS & THE HUMAN ENVIRONMENT

The first call for papers has been issued for the 1995 International Symposium on Public Works and the Human Environment, to be held in Seattle April 19-21, 1995. The event is hosted by the American Public Works Association Washington State Chapter and the Department of Civil Engineering at the University of Washington. Authors are invited to submit papers describing their work that focuses on practical applications of public works principles and solutions in addressing future needs. A variety of topics will be covered, including transportation, ports, wastewater, air pollution, hazardous waste, emergency and disaster response, infrastructure management, and environmental finance. The deadline for submission is **June 15, 1994**. For further information contact **Jan P. Klippert**, (206) 296-6510.

CME PROFESSOR RECEIVES LAND-GRANT PROFESSORSHIP

Professor **Mark B. Snyder** of Civil and Mineral Engineering (CME) received a McKnight Land-Grant Professorship for 1994-96. The awards support the careers of promising assistant professors and encourage them to remain at the University. Each McKnight professor receives \$33,000 for two years of research support. Snyder, who works with Professor **David Newcomb** on the Minnesota Road Research Project, studies the mechanics of freezing and thawing in crushed concrete in order to develop reliable durability tests.

FACULTY & STAFF ACTIVITIES

Professor **Barbara Kanninen** of the Humphrey Institute gave a seminar for the Resources for the Future (RFF) seminar series on March 23 in Washington, D.C. Titled "Reducing Rush-hour Back-ups: The Potential of Congestion Charges," the seminar was given jointly by Kanninen and **Jacqueline Geoghegan** of the University of Maryland. Kanninen was awarded a RFF fellowship last year. CME Professor **Theodore Galambos** attended

the AASHTO/AISI Steel Bridge Committee meeting on February 17 in Albuquerque. **Charles Louis** has been appointed assistant vice president for research, reporting to **Anne Petersen**, and will work closely with CTS and the other centers reporting to the Graduate School. Duluth Port Director **Davis Helberg**, who serves on the CTS Advisory Board, was elected 1994-95 chair of the American Association of Port Authorities. CTS Research Coordinator **Laurie McGinnis** was named to a two-year term as director-at-large of the Women's Transportation Seminar national board.

SPRING QUARTER EVENTS SCHEDULED; WINTER QUARTER EVENTS COMPLETED

Details for the Center's spring quarter transportation events are announced in the enclosed calendar. CTS winter quarter events concluded in March with a CTS Faculty Seminar on "Remote Sensing of Pollutants from Vehicles," by Professor **David Hofeldt** of Mechanical Engineering, and a Careers Series presentation by **Richard Sobiech**, project manager/associate with Toltz, King, Duvall, Anderson & Associates. Also, three courses offered or cosponsored by the Minnesota Technology Transfer Program were held recently: "Traffic Engineering Fundamentals" in Brookings, S.D.; "Gravel Road Maintenance" in Bemidji, St. Cloud, and Mankato; and the "How to Conference on Work Zone Traffic Control" in Fargo, N.D.

UPCOMING TRANSPORTATION 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.

- Apr. 8 "Planting on the Edge: And in the Middle Too" Conference, Minnesota Landscape Arboretum, Chanhassen, Minn. Sponsors: Minnesota Landscape Arboretum and the Minnesota Chapter of the American Society of Landscape Architects. Contact **Carol Spandl**, (612) 443-2460, ext. 772.
- Apr. 11-13 GIS-T '94: Geographic Information Systems for Transportation Symposium, Norfolk, Va., Waterside Marriott. Sponsors: AASHTO, URISA, TRB, FHWA, HEPP, NARC. Contact **David Wyant**, (804) 293-1964.
- Apr. 12-21 1994 Construction Site Storm Water Permit Informational Seminars, 11 sessions at locations throughout the state. Open to anyone who wishes to learn more about the Minnesota Pollution Control Agency's (MPCA) new General Storm Water Permit requirements. Cosponsors: Associated General Contractors of Minn., MPCA. Contact **Tom Moore** or **Todd Goderstad**, (612) 291-1102.
- Apr. 14-15 Minnesota Safety Council Workshop: "DOT Requirements for Transporting Passengers with Special Needs," St. Paul. Contact **Regina Hoffman**, (612) 291-9150.
- Apr. 17-20 IVHS AMERICA Fourth Annual Meeting, Atlanta Hilton & Towers, Atlanta, Ga. Contact **Bonnie Jessup**, (202) 973-7862.
- May 5-6 "ISTEA Pedestrian-Bicycle Conference: Tools for Planning and Public Input," St. Paul. Sponsors: Center for Urban and Regional Affairs (CURA) and EarthCare Directory. Call CURA, (612) 625-1551.
- May 9-12 State/FHWA Regions 5 & 7 Railroad Conference, Minneapolis/St. Paul Airport Hilton. Call **Dave McKenzie**, (612) 296-0362.
- May 12-13 CTS Fifth Annual Transportation Research Conference, Sheraton Park Place, Minneapolis. Contact **Lori Graven**, (612) 625-9023; fax 626-1632.
- May 18-20 "Transportation in Transition," Women's Transportation Seminar 1994 National Conference, Hyatt Regency, Los Angeles. Call **Robert Cashin**, (213) 244-6441, or **Renee Berlin**, (213) 244-6863.
- May 25-27 "Transportation Solutions for Today, Tomorrow and Beyond," Fourth National Conference for Small and Medium-Sized Areas, Duluth Entertainment and Convention Center. Sponsors: TRB, FHWA, Mn/DOT, NARC, ITE, APA. Contact **Diane Dzuck**, (218) 722-5545; fax (218) 722-2335.