

DECEMBER REPORT

1993 A monthly report on transportation research, education, and information activities at the University of Minnesota

LUNCHEON SPEAKER DISCUSSES IVHS ISSUES

Over 100 persons heard Dr. **Thomas A. Horan**, senior fellow at George Mason University, discuss "Societal and Environmental Dimensions of Intelligent Vehicle/Highway Systems" at the CTS fall luncheon on November 18. Horan began by explaining how national IVHS development has evolved from a technological-driven approach to one that seeks to maximize the benefits of technology to achieve societal goals. One such goal—improving the environment—is often linked as an indirect benefit of IVHS. However, recent uncertainty about this benefit has prompted a study of the issue by the U.S. Department of Transportation (USDOT), as well as a refocusing of IVHS research priorities to include technologies for remote emission sensing and congestion pricing. Regarding the societal dimensions of IVHS, Horan stressed the importance of identifying all stakeholders—the private sector, consumers, the disabled, the elderly, residents of rural areas and inner cities, environmental groups, and many others—and involving them early in the design process. He concluded by defining IVHS as a "robust" field, growing and open to new priorities, that must be integrated with larger transportation planning processes. For a paper by Horan covering these issues, please call the Center at (612) 626-1077.

FRED BEIER WILL CHAIR DIRECTOR SEARCH COMMITTEE

Anne Petersen, vice president for research and dean of the Graduate School, has appointed a search committee to conduct a national search for a director to replace **Dick Braun**, who will retire on January 30, 1994. CTS Executive Committee member **Fred Beier**, professor and current director of the Logistics Management Research Center and former associate dean of the Carlson School of Management, will chair the committee. Other members include CTS Executive Committee members **A. Scheffer Lang**, **Mark Brenner**, **Lyndon Carlson**, and **Pete Fausch**; Professor **Barbara Lukermann** of the Humphrey Institute; **Judy Hollander** of the Regional Transit Board; **Frank Snowden** of the Metropolitan Transit Commission; **Ed Cohoon** and **Darryl Durgin** of the Minnesota Department of Transportation; Professors **Max Donath** and **Ted Galambos** of the Institute of Technology; and graduate student **Max Burrus** of the Human Factors Research Laboratory. The committee will use the position description and selection criteria developed by the CTS Executive Committee and approved by Petersen. Advertisements are currently being placed in national publications, with an application deadline of February 15. If you would like a copy of the position announcement, please call the Office of the Vice President for Research at (612) 625-3394, or CTS at 626-1077.

TRANSPORTATION AND THE COMMUNITY IS SUBJECT OF FEBRUARY SYMPOSIUM

Planning is under way for a CTS Transportation Symposium titled "Transportation and the Community." This half-day event is an expansion of the successful session on "Shaping Land Use to Decrease Metropolitan Travel" held at the Center's fourth annual conference. The symposium is designed to assist local elected and appointed officials, transportation planners and engineers, and developers in using transportation to build community linkages, in integrating transportation into liveable communities, and in developing creative land use plans. The event will be held the morning of **February 23, 1994**, at the Holiday Inn Burnsville. The program will begin with presentations from panelists including Professor **John Adams** of Geography, Professor **William Morrish** of the Design Center for the American Urban Landscape, and others yet to be named. Two or three case studies

focusing on specific local issues will then be presented, each followed by questions and problem-solving discussions between the audience and panelists. The event will conclude with a luncheon speaker (to be announced). Registration information will be available in future issues of the *Monthly Report*.

CALL FOR PAPERS: INTELLIGENT TRANSPORTATION TECHNOLOGIES CONFERENCE

A Call for Papers has been issued for a national policy conference on "Intelligent Transportation Technologies and the Environment," to be held June 6-7, 1994, in Washington, D.C. The call is being sponsored by the Humphrey Institute as part of its congressional study on "IVHS and the Environment." The conference will serve as a forum for researchers, policymakers, interest groups, and private sector representatives to consider various aspects of intelligent transportation systems and environment policies. A series of papers will be commissioned to support this dialog, and subsequently will be considered for publication in an edited edition for wider distribution. The conference is sponsored by a range of organizations concerned with the integration of transportation and environmental policy goals, including the USDOT, IVHS AMERICA, George Mason University, the Environmental Defense Fund, the California DOT, the Surface Transportation Policy Project, and the University of Minnesota. Those wishing to present research papers should send an abstract or letter for consideration by **January 21** to **Lee Munnich**, senior fellow and director, State and Local Policy Program, Humphrey Institute, (612) 625-7357; fax (612) 626-9833. A copy of the call is also available at the Center.

CTS ASSISTS COUNCIL OF LOGISTICS MANAGEMENT IN EDUCATION ROUNDTABLE

The Twin Cities Roundtable of the Council of Logistics Management (CLM) held a special afternoon forum and dinner on November 5 that focused on education and training needs for logistics personnel. Industry representatives discussed the tools students of the future will need to stay ahead in the ever-changing environment, and educators described the directions their programs are going. **Ron Lifson** of Liberty Diversified Industries and consultant **Cathy Petersen** led the meeting; other industry participants included representatives from 3M, C.H. Robinson, Dart Intermodal, Land O'Lakes, Murphy Warehouse, Honeywell, and other local companies. Educators included Professor **Fred Beier** from the University and representatives from Metro State, North Dakota State, St. Cloud State, and other institutions. The discussion resulted in several ideas for collaborative actions, including better publicizing of logistics job openings and internships, seminars that increase awareness of the dynamic changes affecting logistics in the Upper Midwest, more interaction of industry professionals with students, joint research programs, and more supplemental training programs. **Cheri Trenda** and **Bob Johns** of CTS, in addition to participating in the roundtable, helped Lifson and Petersen design the forum and will work with CLM to follow up on potential programs that the University could provide.

CENTER RECEIVES 72 RESEARCH PROPOSALS IN RESPONSE TO ANNUAL CALL

The Center issued its annual Call for Proposals in October to faculty who have previously conducted transportation-related research and others who may have an interest in doing so during the 1994-1995 academic year. The call asked for two-page proposal summaries addressing topics from the current lists of research project issue areas developed by the four CTS Research Councils. A total of 72 proposals were received by the November 15 deadline. The proposals will now be reviewed by CTS Research Councils and funding agencies; successful projects will be eligible for funding beginning July 1, 1994. A new element included in this year's call

were research problem statements describing Mn/DOT's highest priority needs in transportation research. These statements are the product of eight brainstorming sessions conducted by Mn/DOT over the last year. The most recent session, held in September, brainstormed ideas for intermodal programs research. Earlier sessions were held for traffic, construction, bridges, environment, materials, local roads, and maintenance. Of the 72 proposals received, 29 were responses to Mn/DOT problem statements. **Laurie McGinnis**, CTS research coordinator, will coordinate proposal reviews with funding organizations.

HUMPHREY INSTITUTE SUBMITS REPORT TO FHWA

The Humphrey Institute's State and Local Policy Program (SLPP) has submitted its report on *Transportation and Economic Development in the Upper Midwest: New Models for Federal, State, and Local Cooperation in Infrastructure Investment*, to the Federal Highway Administration. The report, culminating a major project funded through the U.S. Congress, has wide implications for the future of transportation in the Midwest. Copies of the report are available from the Humphrey Institute by mailing a check for \$20 (made out to the U of M) to **Jodie Kaden**, Room 137 Humphrey Center, Minneapolis, MN, 55455. The report also contains a summary of the proceedings from the October 1992 research symposium jointly sponsored by CTS (full proceedings will be available next year). **Gary DeCramer**, senior research fellow with the Institute, presented the policy recommendations contained in the report at November meetings of two groups: the Marshall, Minn., Area Chamber of Commerce; and the Minnesota Chamber of Commerce's Transportation Committee, chaired by **Linda Thrane** of Cargill, in St. Paul.

CTS AWARDS SCHOLARSHIPS AND FELLOWSHIPS

Through its IVHS Institute, the Center has awarded ten transportation scholarships and fellowships to students demonstrating an interest in or contribution to IVHS technology. Undergraduate recipients are: **Amy Damrow**, **Marty Gray**, **Scott Israelson**, **Jesse Mohler**, **Jared Ross**, and **Christopher Vogelsang** of Civil and Mineral Engineering; **Andrew Fetterer** of Computer Science; and **Robert Stephens** of the Human Factors Research Lab. In addition, the Institute is providing fellowship funds toward tuition expenses for two Mn/DOT employees—**Richard Beck** and **Jeffrey Johnson**—who are enrolled in the Master's of Science in Management of Technology program at the University's Center for the Development of Technological Leadership.

WTS, FHWA OFFER FELLOWSHIPS AND SCHOLARSHIPS

To encourage women pursuing careers in transportation-related fields, the Women's Transportation Seminar (WTS) is offering local and national scholarships for female undergraduate and graduate students. Interested students should submit application materials to the Minnesota WTS chapter by **January 15, 1994**. Also, the Federal Highway Administration is awarding grants for research fellowships through its Eisenhower Transportation Fellowship Program, which enables students to pursue master's or doctoral degrees in transportation-related fields. The FHWA must receive applications by **February 15, 1994**. Application information and materials for both programs are available at the Center.

CTS EVENTS; FACULTY/STAFF ACTIVITIES

The Center's events series continued last month with a Transportation Careers presentation by **Howard Preston**, senior transportation engineer with BRW. Also, a Minnesota T² course on "Culvert Installation and Maintenance" was held in Bemidji. **Ali Mokhtarzadeh**, a graduate student of CME Professor **Cathy French**, made a presentation titled "High Strength Concrete Applications to Prestressed Bridge Girders," at the American Concrete Institute (ACI) 1993 Fall Convention in Minneapolis, November 7-12. Professor **Raymond Sterling** of the Underground Space Center was a panelist in a session titled "We've Only Scratched the Surface:

Tunneling Today and Tomorrow," at a symposium on "Down Under: Tunnels Past, Present, and Future," at the Smithsonian Institution in Washington, D.C. **Dennis Foderberg**, director of the Center's IVHS Institute, made presentations describing the Institute at two recent meetings: the Alliance for Transportation Research (ATR) Research Associates Conference in Albuquerque, and the University of Michigan's Transportation Research Institute (UMTRI) IVHS Speakers Series.

CTS STAFF EXPANDS

Tiffany N. Tran joined the Center on November 29 as an accounts specialist. She will be responsible for all accounting functions in CTS, including payment and tracking of expenses, and balancing and reconciling of accounts. Tran received a bachelor's of science degree in economics from the University of Minnesota in 1991. Her experience includes accounting positions for local companies and University departments.

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.

- Dec. 14 "Motor Vehicle Accident Investigation for the Safety Officer," Minnesota Safety Council, St. Paul. Call (612) 291-9150.
- Dec. 17 "Stress Management for the Safety Professional," Minnesota Safety Council, St. Paul. Call (612) 291-9150.
- Jan. 8 "Managing for Change: Strategies for the ISTE A Era," a symposium for transportation agency professionals, Omni Shoreham Hotel, Washington, D.C. Sponsor: Surface Transportation Policy Project. Contact the STPP, (209) 939-3470; fax (202) 939-3475.
- Jan. 9-13 73rd Annual Meeting of the Transportation Research Board, Washington Hilton, Omni Shoreham, and Sheraton Washington Hotels, Washington, D.C. Contact **Angelia Arrington**, (202) 334-2934.
- Feb. 11-12 "Bicycle: The Way to Go," 1994 Minnesota State Bicycle Conference, Sheraton Midway, St. Paul. Contact **Shawn Chambers**, (612) 296-1605.
- Feb. 14 IVHS Information Exchange Forum, Minneapolis-St. Paul Airport Hilton. Sponsors: Minnesota Guidestar, USDOT, IVHS AMERICA, and CTS/IVHS Institute. Contact **Melanie Braun**, (612) 282-2474.