Management Structure

The ITS Institute is located on the Twin Cities campus of the University of Minnesota and is housed within the Center for Transportation Studies (CTS). Much of the Institute’s successful leadership in the development and application of intelligent transportation systems and technologies can be attributed to its state and national partnerships, including those with CTS, the Minnesota Department of Transportation, private industry, and county and city engineers.

The Institute director leads the Institute’s operation, implements its strategic plan, and assumes overall responsibility for its success. In this role, he directs Institute programs, personnel, and funds.

The Institute’s board guides and oversees the implementation of the Institute’s work. The board’s responsibilities include working with the director to ensure that the USDOT’s Research and Special Programs Administration requirements are met, approving annual plans and budgets, and meeting at least twice yearly to provide direction to, and approval of, the Institute’s activities.

Institute staff and University researchers, drawing from various areas of expertise, help create and disseminate knowledge related to intelligent transportation systems through research, education, and technology transfer activities. In addition, the leadership and staff of CTS provide connections and access to an extensive transportation research and education network. The Institute’s affiliation with the Center allows it to work seamlessly with CTS staff and benefit from its diverse outreach, administration, and communications capabilities.

Board members whose term ended during the fiscal year:

Dave Ekern
Formerly of the American Association of State Highway and Transportation Officials and Minnesota Department of Transportation

Richard Hansen
St. Louis County and Local Road Research Board (retired)

Esam El-Fakahany
University of Minnesota

Dick Stehr
Minnesota Department of Transportation

Edward L. Thomas
Formerly of the Federal Transit Administration

Susan Coughlin
Formerly of the American Transportation Research Institute

Steven Crouch
University of Minnesota

Pat Hughes
Minnesota Department of Transportation

Adeel Lari
Minnesota Department of Transportation

Anthony Kane
Director, Engineering and Technical Services, American Association of State Highway and Transportation Officials

Vince Magnuson
Vice Chancellor for Academic Administration, University of Minnesota Duluth

Marthand Nookala
Director, Operations, Safety and Technology Division, Minnesota Department of Transportation

Richard Sanders
County Engineer, Polk County

Barbara Sisson
Associate Administrator, Office of Research, Demonstration and Innovation, Federal Transit Administration

Al Steger
(Ex Officio) Division Administrator, Federal Highway Administration

ITS Institute Board Members

Current members as of June 30, 2003

Robert Johns
(Chair)
Director, Center for Transportation Studies

Mike Asleson
Major, Minnesota State Patrol, Minnesota Department of Public Safety

Rebecca Brewster
President and Chief Operating Officer, American Transportation Research Institute

Ted Davis
Dean, Institute of Technology, University of Minnesota

Richard Graham
President, Dakota Area Resources and Transportation for Seniors

Randy Halvorson
Director, Program Management Division, Minnesota Department of Transportation

Dave Johnson
Manager, Research Services of the Office of Investment Management, Minnesota Department of Transportation

Anthony Strauss
Acting Assistant Vice President, Patents and Technology Marketing, University of Minnesota

Kathryn Swanson
Director, Office of Traffic Safety, Minnesota Department of Public Safety

Don Theisen
County Engineer, Washington County

Tony Wilbur
(Ex Officio) Director, Office of Operations Research and Development, Federal Highway Administration

Bob Winter
Director, District Operations Division, Minnesota Department of Transportation
Faculty and Research Staff

College of Architecture and Landscape
Architecture
John Bloomfield
Kathleen Harder

College of Education and Human Development
School of Kinesiology
Tom Smith
Michael Wade

Institute of Child Development
Herbert Pick
Albert Yonas

Humphrey Institute of Public Affairs
Richard Bolan
Frank Douma
Thomas Horan
Kenneth Keller
Kevin Krizek
Lee Munnich

Computer Science and Engineering
Mats Heimdahl
Osama Masoud
Nikolaos Papanikolopoulos
Shashi Shekhar

Electrical and Computer Engineering
Mohamed-Slim Alouini
Vladimir Cherkassky

Mechanical Engineering
Lee Alexander
Pi-Ming Cheng
Max Donath
Will Durfee
Peter Easterlund
Alec Gorjestani
Perry Li
Michael Manser
Bryan Newstrom
Curt Olson
Rajesh Rajamani
Mick Rakauskas
Craig Shankwitz
Nicholas Ward

Northland Advanced Transportation Systems Research Laboratories
The NATSRL program is directed by Dr. James Riehl, dean of the College of Science and Engineering. Technical support is provided by Dr. Stanley Burns, professor and head, Department of Electrical and Computer Engineering (ECE); Dr. Donald Crouch, professor and head, Department of Computer Science; Dr. Taek Mu Kwon, professor, ECE; and Dr. David Wyrick, associate professor and head, Department of Mechanical and Industrial Engineering.

Administrative oversight of the NATSRL program is managed by Carol Wolosz, with Jeanne Hartwick serving as the program accountant and David Keranen as the infrastructure engineer.

Faculty and research staff conducting ITS-related research for NATSRL include the following:

University of Minnesota Duluth, College of Science and Engineering
James Riehl, Dean

Electrical and Computer Engineering
Stanley Burns
Ed Fleege
Rocio Alba-Flores
Mohammed Hasan
Fernando Rios-Gutierrez
Taek Kwon
Marian Stachowicz
Jiann-Shiou Yang

Computer Science
Carolyn Crouch
Donald Crouch
Richard Maclin

Industrial Engineering
Ryan Rosandich
Martha Wilson
David Wyrick

Natural Resources Research Institute
Brian Brashaw
Larry Zanko

NATSRL staff and students, left to right: Michael Perkins, Donald Crouch, Deodatta Bhoite, Hemal Lal, Aniruddha Mahajan, Rich Maclin, Jeffrey Sharkey, and Carolyn Crouch (front).