



CENTER FOR
TRANSPORTATION STUDIES
UNIVERSITY OF MINNESOTA

2021

Virtual CTS Awards Ceremony

May 19, 2021



PROGRAM

- 3:00 p.m. Welcome & Opening Remarks**
Dawn Hood, CTS Interim Director
- 3:05 p.m. Presentation of Distinguished Service Awards**
Braun Award: John Levin
Distinguished Public Leadership Award: Randy Maluchnik
Lappegaard Award: Bill Dossett
Smith Award: Deborah DeLuca
- 3:25 p.m. Presentation of Robert C. Johns Research Partnership Award**
Cloud Connected Delivery Vehicles: Boosting Fuel Economy
Using Physics-Aware Spatiotemporal Data Analytics and Real-Time Powertrain Control
- 3:30 p.m. Presentation of Student Awards**
Huber Master's Award: Souvik Roy
Huber PhD Award: Pramesh Kumar
Adams Master's Award: Kimberly Napoline & Erika Shepard
Adams PhD Award: Tao Tao
Braun Transportation Scholarship: Jake Robbennolt
- 3:55 p.m. Closing Remarks**
Gina Baas, CTS Associate Director, Engagement and Education

AWARD SELECTION COMMITTEES

Research Partnership Award: Sheila Hatchell, Dawn Hood, Mary Karlsson, Katie Kowalczyk, Steve Misgen

Distinguished Service Awards: Jay Cowles III, Joseph Favour, Nicole Griensewic, Kim Norton, Brian Ryks, Joan Willshire

Education Awards: Gina Baas, Beth Engum, Steven Gentry, Jessica Kozarek

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DISTINGUISHED SERVICE AWARDS

RICHARD P. BRAUN DISTINGUISHED SERVICE AWARD

CTS presents the Richard P. Braun Distinguished Service Award annually to a transportation professional for outstanding leadership in transportation research and innovation. It is named after the late Richard P. Braun, the founding director of CTS.

This year's recipient is **John Levin**, Director of Strategic Initiatives for Metro Transit. Levin has been with Metro Transit for 24 years and currently guides work on strategic planning, research, performance management, shared mobility, and technology management. Over his career at Metro Transit, he has worked on long-range system planning, route planning, service analysis, scheduling, and data collection for the agency's 125 bus routes, 2 light rail lines, and commuter rail line.

Previous recipients: 2020—Carol Shield; 2019—Gary Davis; 2018—Greg Lindsey; 2017—Mary Vogel; 2016—John Gulliver; 2015—Timothy Henkel; 2014—Yingling Fan; 2013—Nikolaos Papanikolopoulos; 2012—Robert C. Johns; 2011—David Levinson; 2010—Lee Munnich; 2009—Gene Skok; 2008—Randy Halvorson; 2007—Max Donath; 2006—Kathryn Swanson; 2005—Catherine French; 2004—John S. Adams; 2003—Robert Benke; 2002—Panos Michalopoulos; 2001—Barbara Lukermann; 2000—David Kittelson; 1999—Jim Denn; 1998—Fred Beier; 1997—Ted Galambos; 1996—Roger Appeldorn; 1995—Miles Kersten

DISTINGUISHED PUBLIC LEADERSHIP AWARD

The Distinguished Public Leadership Award recognizes public leaders who have influenced innovative transportation policy directions that benefit society through their vision, leadership, and knowledge.

This year's award is presented to former Carver County Commissioner **Randy Maluchnik**. Maluchnik has a long record of advocating for funding and policies that enhance partnerships between local government and their state and federal counterparts on national transportation issues. While serving as a Carver County Commissioner, he championed the county's efforts to improve U.S. Highway 212, a \$90 million project that combines county, state, and federal funding to improve the efficiency and safety of one of the state's busiest highways.

Previous recipients: 2020—Frank Hornstein; 2019—Jon Huseby; 2018—Jim McDonough; 2017—Michael Beard; 2016—James E. Dehn; 2015—Scott Dibble; 2014—Susan Haigh; 2013—Margaret Donahoe; 2012—James Hovland; 2011—Peter Bell; 2010—Steve Murphy; 2009—Ron Erhardt; 2008—Fred Corrigan; 2007—Curt Johnson; 2006—Anne Beers; 2005—Elliot Perovich; 2004—Bernie L. Lieder; 2003—Colleen Landkamer; 2002—Mary Hill Smith; 2001—Peter McLaughlin; 2000—Carol Flynn; 1999—James Oberstar and Martin Sabo; 1998—Keith Langseth



DISTINGUISHED SERVICE AWARDS

RAY L. LAPPEGAARD DISTINGUISHED SERVICE AWARD

The Ray L. Lappeggaard Distinguished Service Award is presented to a transportation professional who displays outstanding leadership, mentorship, and support for the profession. Lappeggaard served as the first chair of the CTS Executive Committee.

This year's recipient, **Bill Dossett**, is Executive Director of Nice Ride Minnesota, a nonprofit mobility manager. After practicing law in Minneapolis for 15 years, Dossett wrote the first nonprofit business plan for public bike sharing and, in 2010, launched Nice Ride Minnesota. He also cofounded and served as the first president of the North American Bike Share Association and helped found the Twin Cities Shared Mobility Collaborative.

Previous recipients: 2020–Bernie Arseneau; 2019–Sue Mulvihill; 2018–Amy Vennewitz; 2017–Alan Forsberg; 2016–Don Theisen; 2015–Brian Lamb; 2014–Howard Preston; 2013–Julie Skallman; 2012–Charles Zelle; 2011–Ann Johnson; 2010–Ferrol Robinson; 2009–Doug Weiszhaar; 2008–Connie Kozlak; 2007–Donna Allan; 2006–Jeffrey Hamiel; 2005–Michael Sheehan; 2004–Natalio Diaz; 2003–Peter Fausch; 2002–Richard Hansen; 2001–Gene Ofstead; 2000–Darryl Durgin; 1999–Douglas Differt; 1998–Charleen Zimmer; 1997–Chuck Siggerud; 1996–Ernest Olson; 1995–Robert J. McDonald; 1994–Jim Newland; 1993–William Smith



DISTINGUISHED SERVICE AWARDS

WILLIAM K. SMITH DISTINGUISHED SERVICE AWARD

The William K. Smith Distinguished Service Award is presented to a private-sector professional in the freight transportation and supply chain area for their leadership in the field and their contributions to mentorship and education of future leaders. The award is named in honor of William K. Smith, who served on the initial committee to establish CTS and on many CTS research and education councils.

This year's recipient is **Deborah DeLuca**, executive director of the Duluth Seaway Port Authority and the first woman to lead the organization in its history. The Port of Duluth-Superior is the Great Lakes' largest tonnage port and one of the nation's top 20, with approximately 800 vessels and 35 million short tons of cargo moving through it each year. DeLuca is currently president of the Minnesota Ports Association, a member of the Minnesota Freight Advisory Committee, and an executive committee member of APEX, a regional economic and business development organization.

Previous recipients: 2020–Bruce Abbe; 2019–Jason Craig; 2018–George Schember; 2017–Vanta Coda II; 2016–Brad Emch; 2015–Ronald Dvorak; 2014–Robert “Chip” Smith; 2013–Mark Berndt; 2012–Meg Schmidt Duncan; 2011–Kevin McCarthy; 2010–Dan Murray; 2009–Ron Have; 2008–Cathy Petersen; 2007–John Hausladen; 2006–Richard T. Murphy; 2005–William Goins; 2004–Howard Gochberg; 2003–Ron Lifson; 2002–Gary Eikaas



ROBERT C. JOHNS RESEARCH PARTNERSHIP AWARD

The Robert C. Johns Research Partnership Award is presented annually to a team of individuals who have collaboratively drawn on their diverse expertise to achieve significant impacts on transportation. The award is named in honor of former CTS director Robert Johns, who provided visionary leadership in recognizing that the most effective research to address today's complex transportation challenges is often a result of interdisciplinary teamwork and partnerships.

This year's recipient is **Cloud Connected Delivery Vehicles: Boosting Fuel Economy Using Physics-Aware Spatiotemporal Data Analytics and Real-Time Powertrain Control**. This project developed technology to improve the fuel efficiency of last-mile delivery vehicles through real-time powertrain optimization using two-way vehicle-to-cloud connectivity. The effort led to a 20 percent improvement in the fuel economy of hybrid delivery vehicles operating as part of the UPS fleet and may help reduce energy consumption of future connected and automated delivery vehicles. The research also has the potential to ease the transition to electrification for commercial applications.

PROJECT TEAM

University of Minnesota: Will Northrop, Shashi Shekhar, Shawn Haag

UPS–Automotive: Michael McDonald

Workhorse: Mike Muldoon

JKV Engineering: Jude Huber



EDUCATION AWARDS

MATTHEW J. HUBER AWARD

This award honors students in engineering, science, and technology fields. It is named in honor of the late Professor Emeritus Matthew J. Huber.

- **Souvik Roy:** Master's, civil engineering (UMD). Advisor: Manik Barman
- **Pramesh Kumar:** Doctorate, civil engineering. Advisor: Alireza Khani

JOHN S. ADAMS AWARD

This award honors students in policy and planning fields. It is named in honor of Professor Emeritus John S. Adams.

- **Kimberly Napoline:** Master's, advanced policy analysis methods. Advisor: Lee Munnich
- **Erika Shepard:** Master's, urban planning. Advisor: Yingling Fan
- **Tao Tao:** Doctorate, public affairs, urban planning track. Advisors: Jason Cao & Greg Lindsey

RICHARD P. BRAUN SCHOLARSHIP

This scholarship is given to University of Minnesota undergraduates pursuing degrees related to transportation who have demonstrated academic merit and leadership skills.

- **Jake Robbenolt:** Bachelor's, civil engineering and urban studies. Advisor: Randal Barnes

