

Curriculum Vitae

FRANK P. DOUMA
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Education

JD, University of Minnesota. May 1996

MA, University of Minnesota. Public Affairs November 1995
Dissertation/Thesis Title: The United States and Uniform Safety Standards in International Air Transportation

BA, Grinnell College, Grinnell, IA. Political Science, May 1992
Concentration in Russian and Eastern European Studies
Phi Beta Kappa

Licensures and Certifications

Certifications

Attorney, State Bar of Wisconsin. (Licensure/Certification Number: 1027889) October 1996 - July 31, 2025

Academic Appointments

Institute for Urban and Regional Infrastructure Finance
Hubert H. Humphrey School of Public Affairs, University of Minnesota: Director of State & Local Policy and Outreach 2021 - Present
Direct State and Local Policy research and outreach for IURIF. Manage transportation policy research projects. Identify new research opportunities, develop scopes of work, draft, edit and present reports.

University of Minnesota
Hubert Humphrey School of Public Affairs: Director 2015 - 2021
Direct State and Local Policy Program. Manage transportation policy research projects. Develop scopes of work, drafted, edited and presented reports. Identify and propose new research opportunities and assist program director in increasing program visibility and strategic planning. Supervise program administrative staff.

State and Local Policy Program
Hubert H. Humphrey School of Public Affairs, University of Minnesota: Research Fellow and Associate Director 2005 - 2015
Project manager for transportation policy research projects. Develop scopes of work, drafted, edited and presented reports. Identify and propose new research opportunities and assist program director in increasing program visibility and strategic planning. Supervise program administrative staff.

University of Minnesota
Humphrey School of Public Affairs: Research Fellow: Frank P. Douma 1999 - 2005
Project manager for transportation policy research projects related to telecommunications, Global Positioning Systems, wireless technology

travel behavior, corridor planning, and sustainability. Developed scopes of work, drafted, edited and presented reports.

Other Professional Positions

Canadian Pacific Railway

Project Analyst

1998 - 1999

Trained in many aspects of railroad operations and marketing. Performed economic analysis for major investments. Aided in coordination of grain marketing and operations.

Current Membership in Professional Organizations

State Bar of Wisconsin

October 1996 - Present

HONORS AND RECOGNITION

University of Minnesota

Robert C. Johns Research Partnership Award, University of Minnesota

May 9, 2022

Center for Transportation Studies

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.

This award recognizes research projects within the CTS program that have the following qualities:

Included an interdisciplinary research component led by University of Minnesota faculty or research staff

Involved University of Minnesota students

Produced significant findings that have influenced transportation practice and/or policy

Generated measured benefits as a result of the impacts of the research Involved a team of individuals representing one or more sectors of society (i.e., public, academic, private, non-profit)

RESEARCH, SCHOLARSHIP, AND CREATIVE WORK

Grants, Contract, Awards: External Sources

Award: Arts and Culture for Construction Mitigation: Hwy 250 in Lanesboro, MN

Principal Investigator: Douma, Frank P.

Status: Accepted

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: 1036342 Work Order Number: 99

Award Dates: June 29, 2023 - June 30, 2027

Project: Arts and Culture for Construction Mitigation: Hwy 250 in Lanesboro, MN

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: June 29, 2023 - June 30, 2027

Award: FY24-25 CTS Operations

Status: Accepted

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: Contract 1036342 W.O. 100

Award Dates: July 13, 2023 - June 30, 2025

1. Project: TPEC FY 24, Douma

Project Team: Douma, Frank, P. (Principal)
Status: Approved
Project Dates: July 1, 2023 - June 30, 2024

2. **Project: CTS Scholars- Frank Douma**
Project Team: Douma, Frank, P. (Principal)
Status: Approved
Project Dates: July 13, 2023 - June 30, 2025

Award: The Grand Iron Range CAV Initiative Data and Research Support

Status: Accepted
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: 1036342 Work Order Number: 59
Award Dates: August 29, 2022 - July 31, 2024

1. **Project: The Grand Iron Range CAV Initiative Data and Research Support**
Project Team: Douma, Frank, P. (Co-Investigator), Fisher, Thomas, R. (Co-Investigator), Baas, Gina, M. (Principal)
Status: Approved
Project Dates: August 29, 2022 - July 31, 2024
2. **Project: The Grand Iron Range CAV Initiative Data and Research Support**
Project Team: Douma, Frank, P. (Principal)
Status: Approved
Project Dates: August 29, 2022 - July 31, 2024

Award: Parking FlexPass at ABC Ramps: Integrating Parking and Transit Options for Sustainable Mobility

Principal Investigator: Fan, Yingling
Status: Accepted
Sponsoring Organization: MN METROPOLITAN COUNCIL
Sponsoring Organization Reference ID: SG-2019-009
Award Dates: October 1, 2019 - January 1, 2024

Project: Parking FlexPass at ABC Ramps: Integrating Parking and Transit Options for Sustainable Mobility

Project Team: Douma, Frank, P. (Principal)
Status: Approved
Project Dates: October 1, 2019 - January 1, 2024

Award: SCC: Leveraging Autonomous Shared Vehicles for Greater Community Health, Equity, Livability, and Prosperity (HELP)

Principal Investigator: Zhang, Zhi-Li
Status: Accepted
Sponsoring Organization: THE NATIONAL SCIENCE FOUNDATION
Sponsoring Organization Reference ID: CMMI 1831140
Award Dates: September 15, 2018 - August 31, 2023

Project: SCC: Leveraging Autonomous Sha

Project Team: Douma, Frank, P. (Principal)
Status: Approved

Project Dates: September 15, 2018 - August 31, 2023

Award: City of White Bear Lake AV Shuttle Pilot

Principal Investigator: Douma, Frank P.

Status: Accepted

Sponsoring Organization: AECOM, INC

Sponsoring Organization Reference ID: Project # 60662786.8/Line # 01

Award Dates: March 28, 2022 - August 28, 2023

Project: City of White Bear Lake AV Shuttle Pilot

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: March 28, 2022 - August 28, 2023

Award: Transportation Equity Training for MnDOT

Principal Investigator: Douma, Frank P.

Status: Accepted

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: Contract 1036342 WO 34

Award Dates: March 3, 2022 - July 31, 2023

Project: Transportation Equity Training for MnDOT

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: March 3, 2022 - July 31, 2023

Award: FY22-23 CTS Operations

Status: Accepted

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: 1036342WO31

Award Dates: July 7, 2021 - June 30, 2023

1. **Project: TPEC FY 21**

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: July 7, 2021 - June 30, 2023

2. **Project: CTS Scholars - Frank Douma**

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: July 7, 2021 - June 30, 2023

Award: Maximizing Transportation Assets by Building Community Connection Through Innovative Development of Rights of Way and Airspace

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: 1036342 Work Order 22 Am 2

Award Dates: June 10, 2021 - June 30, 2023

Project: Maximizing Transportation Assets by Building Community Connection Through Innovative Development of Rights of Way and Airspace

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: June 10, 2021 - June 30, 2023

Award: Adequacy of Disability Benefits for Police Officers

Principal Investigator: Fonseca Sarmiento, Camila A.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF LABOR & INDUSTRY

Sponsoring Organization Reference ID: 216268/3000018836

Award Dates: August 8, 2022 - May 22, 2023

Project: Adequacy of Disability Benefits for Police Officers

Project Team: Douma, Frank, P. (Co-Investigator), Fonseca Sarmiento, Camila, A. (Principal), Zeerak, Raihana (Co-Investigator)

Status: Approved

Project Dates: August 8, 2022 - May 22, 2023

Award: Enhancing Managed Lane Equity Analysis

Principal Investigator: Lari, Adeel Z.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: 1036342 Work Order 15

Award Dates: June 15, 2021 - April 30, 2023

Project: Enhancing Managed Lane Equity Analysis

Project Team: Douma, Frank, P. (Co-Investigator), Lari, Adeel, Z. (Principal), Zhao, Zhirong (Co-Investigator), Fonseca Sarmiento, Camila, A. (Co-Investigator)

Status: Approved

Project Dates: June 15, 2021 - April 30, 2023

Award: S&CC-IRG Track 1: Connecting the Smart-City Paradigm with a Sustainable Urban Infrastructure Systems Framework to Advance Equity in Communities

Principal Investigator: Shekhar, Shashi

Status: Closed

Sponsoring Organization: THE NATIONAL SCIENCE FOUNDATION

Sponsoring Organization Reference ID: CNS - 1737633 Amendment Number 002

Award Dates: September 1, 2017 - August 31, 2022

Project: S&CC-IRG Track 1: Sustainable Urban Infrastructure Systems Framework to Advance Access and Wellbeing in Communities

Project Team: Douma, Frank, P. (Co-Investigator), Dalbotten, Diana, M. (Co-Investigator), Johns, Robert, C. (Co-Investigator), Brown, Julie, C. (Co-Investigator), Shekhar, Shashi (Principal), Cao, Xinyu (Co-Investigator), Ramaswami, Anuradha, A. (Co-Investigator)

Status: Approved

Project Dates: September 1, 2017 - August 31, 2022

Award: Analysis for Metro Climate Stats Program

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MN METROPOLITAN COUNCIL

Sponsoring Organization Reference ID: Met Council Contract # 18P429

Award Dates: December 17, 2019 - December 31, 2021

Project: Analysis for Metro Climate Stats Program

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: December 17, 2019 - December 31, 2021

Award: Minnesota Distance Based User Fee Demonstration

Principal Investigator: Douma, Frank P.

Status: Accepted

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: 1003325 WO 121

Award Dates: July 15, 2019 - December 31, 2021

Project: Federal: Minnesota Distance Based User Fee Demonstration

Project Team: Douma, Frank, P. (Principal), Lari, Adeel, Z. (Co-Investigator),
Munnich, Lee, W. (Co-Investigator), Zhao, Zhirong (Co-Investigator), Corcoran,
Heidi, A. (Co-Investigator)

Status: Approved

Project Dates: July 15, 2019 - December 31, 2021

Award: Fiscal Year 2020-2021 CTS Operations

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: Contract 1003325 Work Order 124

Award Dates: July 9, 2019 - June 30, 2021

Project: TPEC FY 20 - Douma

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: July 9, 2019 - June 30, 2021

Award: Impact of Decline in Volunteerism on Rural Transit Systems

Principal Investigator: Douma, Frank P.

Status: Accepted

Sponsoring Organization: AECOM, INC

Sponsoring Organization Reference ID: SUB0001438 / NCHRP 20-65 Task 78

Award Dates: December 15, 2020 - May 31, 2021

Project: Impact of Decline in Volunteerism on Rural Transit Systems

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: December 15, 2020 - May 31, 2021

Award: Understanding Manufacturers' Perspectives on Transportation in MnDOT District 3: An Industry Cluster Approach

Principal Investigator: Munnich, Lee W.
Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: MnDOT Contract 1003325 Work Order 130
Award Dates: November 7, 2019 - July 31, 2020

Project: Understanding Manufacturers' Perspectives on Transportation in MnDOT District 3: An Industry Cluster Approach

Project Team: Douma, Frank, P. (Co-Investigator), Munnich, Lee, W. (Principal), Corcoran, Heidi, A. (Co-Investigator)
Status: Approved
Project Dates: November 7, 2019 - July 31, 2020

Award: Improve Access to Waiver Transportation Used by Minnesota's Home and Community-Based Program Participants

Principal Investigator: Zhao, Zhirong
Status: Closed
Sponsoring Organization: NAVIGANT CONSULTING, INC.
Award Dates: May 30, 2018 - May 29, 2020

Project: Improve Access to Waiver Transportation Used by Minnesota's Home and Community-Based Program Participants

Project Team: Douma, Frank, P. (Co-Investigator), Zhao, Zhirong (Principal)
Status: Approved
Project Dates: May 30, 2018 - December 31, 2018

Award: Roadway Safety Institute

Principal Investigator: Donath, Max
Status: Closed
Sponsoring Organization: US DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: DTRT13-G-UTC35 Modification 2
Award Dates: September 30, 2013 - October 1, 2019

1. **Project: Identifying and Reconciling Stakeholder Perspectives in Deploying Automated Speed Enforcement**

Project Team: Douma, Frank, P. (Principal)
Status: Approved
Project Dates: August 1, 2014 - May 31, 2017

2. **Project: Examining the relationship bet**

Project Team: Douma, Frank, P. (Principal)
Status: Approved
Project Dates: January 1, 2017 - December 31, 2017

3. **Project: Scenarios and Justification for Automated Vehicle Demonstration in Rural Minnesota**

Project Team: Douma, Frank, P. (Principal)
Status: Approved
Project Dates: April 1, 2018 - June 30, 2019

Award: FY19 Administrative Support for the Minnesota Freight Advisory Committee

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: Contract 1003325 WO 91

Award Dates: August 23, 2018 - August 31, 2019

Project: Trends for First- and Last-Mile Freight in Minnesota

Project Team: Douma, Frank, P. (Principal), Douma, Frank, P. (Principal)

Status: Approved

Project Dates: March 8, 2019 - August 31, 2019

Award: Understanding Manufacturers Perspectives on Transportation in MnDOT District 3: An Industry Cluster Approach

Principal Investigator: Munnich, Lee W.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: 1003325/WO 116

Award Dates: April 27, 2019 - June 30, 2019

Project: Understanding Manufacturers Perspectives on Transportation in MnDOT District 3: An Industry Cluster Approach

Project Team: Douma, Frank, P. (Co-Investigator), Munnich, Lee, W. (Principal)

Status: Approved

Project Dates: April 27, 2019 - June 30, 2019

Award: FY19 MCOTA Outreach Support

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: Contract 1003325 WO 89

Award Dates: October 3, 2018 - June 30, 2019

Project: MCOTA- Frank Douma

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: January 1, 2019 - June 30, 2019

Award: FY18-19 CTS Operations

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: Contract 1003325 WO 44

Award Dates: June 26, 2017 - June 30, 2019

1. Project: TPEC FY18 and FY19

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: July 1, 2017 - June 30, 2019

2. Project: SLPP/CTS Transportation Outrea

Project Team: Douma, Frank, P. (Principal)

Status: Approved

Project Dates: July 1, 2017 - June 30, 2019

3. **Project: Examining the challenges and o**

Project Team: Douma, Frank, P. (Co-Investigator), Cao, Xinyu (Principal)
Status: Approved
Project Dates: March 1, 2018 - June 30, 2019

Award: Support for Pre-Deployment Activities for a Minnesota User-Based Fee Demonstration

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: MnDOT Contract No 1003325 W.O. 38
Award Dates: May 15, 2017 - June 30, 2019

1. **Project: Federal: Support for Pre-Deployment Activities for a Minnesota User-Based Fee Demonstration**

Project Team: Lari, Adeel, Z. (Co-Investigator), Douma, Frank, P. (Principal),
Lari, Adeel, Z. (Co-Investigator), Rohde, Barbara, J. (Co-Investigator), Munnich,
Lee, W. (Co-Investigator)
Status: Approved
Project Dates: May 15, 2017 - June 30, 2019

2. **Project: Non-Federal: Support for Pre-Deployment Activities for a Minnesota User-Based Fee Demonstration**

Project Team: Douma, Frank, P. (Principal)
Status: Approved
Project Dates: May 15, 2017 - June 30, 2019

Award: Understanding District 2 Manufacturers' Perspectives on Transportation: An Industry Cluster Approach

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: MnDOT Contract No 99008 WO #210
Award Dates: July 13, 2015 - June 30, 2019

Project: Understanding District 2 Manufacturers' Perspectives on Transportation: An Industry Cluster Approach

Project Team: Douma, Frank, P., Schmit, Matthew, P. (Principal), Douma,
Frank, P. (Principal), Bhattacharyya, Rani, A. (Co-Investigator), Bennett, John,
F. (Co-Investigator), Munnich, Lee, W. (Co-Investigator), Darger, Michael, P.
(Co-Investigator), Schmit, Matthew, P., Bussiere, William, M. (Co-Investigator)
Status: Approved
Project Dates: July 13, 2015 - June 30, 2019

Award: eWorkPlace Phase III

Principal Investigator: Lari, Adeel Z.
Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: MnDOT Contract 1003325 WO #16
Award Dates: March 9, 2017 - February 28, 2019

Project: eWorkPlace Phase III

Project Team: Lari, Adeel, Z. (Principal), Douma, Frank, P. (Co-Investigator),
Lari, Adeel, Z. (Principal)
Status: Approved
Project Dates: March 9, 2017 - February 28, 2019

Award: ABC Ramps Transportation Options

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: MnDOT Contract 1003325 WO 6, AMD 1
Award Dates: October 28, 2016 - February 28, 2019

Project: ABC Ramps Transportation Options

Project Team: Lari, Adeel, Z. (Co-Investigator), Douma, Frank, P. (Principal),
Lari, Adeel, Z. (Co-Investigator), Rohde, Barbara, J. (Co-Investigator), Cao,
Xinyu (Co-Investigator), Fan, Yingling (Co-Investigator)
Status: Closed - Pending Final Close
Project Dates: October 28, 2016 - February 28, 2019

Award: eWorkPlace Phase III

Principal Investigator: Lari, Adeel Z.
Status: Accepted
Sponsoring Organization: MN METROPOLITAN COUNCIL
Sponsoring Organization Reference ID: SG-2016-007
Award Dates: October 1, 2016 - February 1, 2019

Project: eWorkPlace Phase III

Project Team: Lari, Adeel, Z. (Co-Investigator), Lari, Adeel, Z. (Principal),
Douma, Frank, P., Lari, Adeel, Z. (Co-Investigator), Lari, Adeel, Z. (Principal)
Status: Approved
Project Dates: October 1, 2016 - February 1, 2019

Award: Volunteer Driver Programs in Minnesota: Benefits and Barriers

Project Investigators: Douma, Frank P.
Status: Funded
Sponsoring Organization: Minnesota Council on Transportation Access (MCOTA)
Award Dates: 2017 - 2018

Award: FY18-19 MCOTA Outreach Support

Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: Contract 1003325 WO 43
Award Dates: October 20, 2017 - August 31, 2018

1. Project: FY18-19 MCOTA Outreach Support

Project Team: Douma, Frank, P. (Co-Investigator), Mathison, Arlene, M.
(Principal)
Status: Closed - Pending Final Close
Project Dates: October 20, 2017 - August 31, 2018

2. Project: FY18-19 MCOTA Outreach Support

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: October 20, 2017 - August 31, 2018

Award: Shared Mobility Governance

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: THE MCKNIGHT FOUNDATION
Sponsoring Organization Reference ID: Contract #1052
Award Dates: September 1, 2017 - June 30, 2018

Project: Shared Mobility Governance

Project Team: Douma, Frank, P. (Principal)
Status: Approved
Project Dates: September 1, 2017 - June 30, 2018

Award: Impact of Exempting the Recording of Low Level Speed Violations in Minnesota

Project Investigators: Douma, Frank P.
Status: Funded
Sponsoring Organization: Minnesota Department of Transportation
Award Dates: 2015 - 2017

Award: FY17 MCOTA Outreach Support

Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: Contract 1003325, WO 5
Award Dates: October 5, 2016 - August 31, 2017

Project: FY17 MCOTA Outreach Support

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: October 5, 2016 - August 31, 2017

Award: ITS Program Legislative Research and Analysis Task 2.0 and Task 2.c

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: INSTITUTE OF TRANSPORTATION ENGINEERS
Sponsoring Organization Reference ID: DTFH61-13-D-00026 TO 6
Award Dates: September 28, 2015 - June 30, 2017

Project: ITS Program Legislative Research and Analysis Task 2.0 and Task 2.c

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: September 28, 2015 - June 30, 2017

Award: Center for Transportation Studies Operations-FY2016-2017

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: 99008 W.O. 211
Award Dates: July 10, 2015 - June 30, 2017

1. **Project: SLPP/CTS Transportation Outrea**
Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: July 10, 2015 - June 30, 2017
2. **Project: CTS Faculty Scholars Program**
Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: July 10, 2015 - June 30, 2017

Award: eWorkPlace

Principal Investigator: Lari, Adeel Z.

Status: Closed

Sponsoring Organization: MN METROPOLITAN COUNCIL

Sponsoring Organization Reference ID: SG-2014-077 / MPO 8592 RPO 199018

Award Dates: January 7, 2015 - December 31, 2016

Project: eWorkPlace

Project Team: Lari, Adeel, Z. (Principal), Douma, Frank, P. (Co-Investigator),
Lari, Adeel, Z. (Principal)

Status: Closed - Pending Final Close

Project Dates: January 7, 2015 - December 31, 2016

Award: Identifying and Reconciling Stakeholder Perspectives in Deploying Automated Speed Enforcement

Project Investigators: Douma, Frank P.

Status: Funded

Sponsoring Organization: University of Minnesota (United States Department of Transportation)

Award Dates: 2014 - 2016

Award: Summer Training: developing and implementing plans that are equitable

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MN METROPOLITAN COUNCIL

Sponsoring Organization Reference ID: Met Council Master Contract 141072B; WO

Award Dates: May 1, 2016 - September 30, 2016

Project: Summer Training: developing and implementing plans that are equitable

Project Team: Douma, Frank, P. (Principal)

Status: Closed - Pending Final Close

Project Dates: May 1, 2016 - September 30, 2016

Award: DARTS Mobility Management Evaluation

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: DARTS
Award Dates: October 1, 2014 - September 30, 2016

Project: DARTS Mobility Management Evaluation

Project Team: Douma, Frank, P. (Principal), Mathison, Arlene, M. (Co-Investigator)
Status: Closed - Pending Final Close
Project Dates: October 1, 2014 - September 30, 2016

Award: Minnesota Council on Transportation Access Outreach Support

Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: 99008 W.O. 218
Award Dates: September 22, 2015 - June 30, 2016

1. **Project: Minnesota Council on Transportation Access Outreach Support**

Project Team: Douma, Frank, P. (Co-Investigator), Mathison, Arlene, M. (Principal)
Status: Closed - Pending Final Close
Project Dates: September 22, 2015 - June 30, 2016

2. **Project: MCOTA Volunteer Driver Study**

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: September 22, 2015 - June 30, 2016

Award: ITS Program Legislative Research and Analysis

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: INSTITUTE OF TRANSPORTATION ENGINEERS
Sponsoring Organization Reference ID: ITE-15-01
Award Dates: February 10, 2015 - April 15, 2016

Project: ITS Program Legislative Research and Analysis

Project Team: Douma, Frank, P. (Principal), Fatehi, Leili (Co-Investigator)
Status: Approved
Project Dates: February 10, 2015 - April 15, 2016

Award: FY14 Minnesota Council on Transportation Access Support

Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: 99008 W.O. 137 Amendment 3
Award Dates: December 3, 2013 - August 31, 2015

1. **Project: FY14 MCOTA Support Douma Data**

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: December 3, 2013 - August 31, 2015

2. **Project: FY14 MCOTA Support Douma Prime**

Project Team: Douma, Frank, P. (Principal)

Status: Closed - Pending Final Close
Project Dates: December 3, 2013 - August 31, 2015

Award: Impacts of Changes to Minnesota Law Exempting Low Level Speed Violations from Driving Records [MnDOT Project ID: Impact of Exempting Low Level Speed Violations]

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: MnDot Contract 99008 W.O. 138
Award Dates: November 22, 2013 - July 31, 2015

Project: Impacts of Changes to Minnesota Law Exempting Low Level Speed Violations from Driving Records [MnDOT Project ID: Impact of Exempting Low Level Speed Violations]

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: November 22, 2013 - July 31, 2015

Award: I-35E MnPASS Extension Community Outreach and Education Study

Principal Investigator: Munnich, Lee W.
Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: MnDOT Contract No 99008 WO No. 114
Award Dates: May 23, 2013 - July 31, 2015

Project: I-35E MnPASS Extension Community Outreach and Education Study

Project Team: Douma, Frank, P. (Co-Investigator), Munnich, Lee, W. (Principal)
Status: Closed - Pending Final Close
Project Dates: May 23, 2013 - July 31, 2015

Award: Understanding District 4 Manufacturers??? Perspectives on Transportation: An Industry Cluster Approach

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: MnDOT Contract No. 99008, W.O. No. 171
Award Dates: September 18, 2014 - May 31, 2015

Project: Understanding District 4 Manufacturers??? Perspectives on Transportation: An Industry Cluster Approach

Project Team: Douma, Frank, P. (Principal), Kane, Matthew, G., Bhattacharyya, Rani, A., Munnich, Lee, W., Darger, Michael, P., Pesch, Ryan, W. (Co-Investigator)
Status: Closed - Pending Final Close
Project Dates: September 18, 2014 - May 31, 2015

Award: SmartTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing

Principal Investigator: Fan, Yingling
Status: Closed

Sponsoring Organization: US DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: DTRT57-13-C-10034
Award Dates: June 14, 2013 - February 15, 2015

Project: SmartTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing

Project Team: Douma, Frank, P. (Co-Investigator), Adomavicius, Gediminas (Co-Investigator), Fan, Yingling (Principal), Wolfson, Julian (Co-Investigator)
Status: Closed - Pending Final Close
Project Dates: June 14, 2013 - February 15, 2015

Award: NEMT Coordinators in Minnesota: A Survey of How Minnesota Counties Use Coordinators to Deliver Non-Emergency Medical Transportation

Project Investigators: Douma, Frank P.
Status: Funded
Sponsoring Organization: Minnesota Council on Transportation Access (MCOTA)
Award Dates: 2013 - 2014

Award: Vehicle Sharing Among Human Service Providers in Minnesota: Steps to Address Barriers

Project Investigators: Douma, Frank P.
Status: Funded
Sponsoring Organization: Minnesota Council on Transportation Access (MCOTA)
Award Dates: 2013 - 2014

Award: Understanding and Enhancing the Value of Freight Economy in Minnesota

Principal Investigator: Munnich, Lee W.
Status: Closed
Sponsoring Organization: BNSF RAILWAY COMPANY
Award Dates: December 1, 2012 - November 30, 2014

Project: Understanding and Enhancing the Value of Freight Economy in Minnesota

Project Team: Douma, Frank, P. (Co-Investigator), Rohde, Barbara, J. (Co-Investigator), Munnich, Lee, W. (Principal)
Status: Closed - Pending Final Close
Project Dates: December 1, 2012 - November 30, 2014

Award: FY14 Administrative Support for the Minnesota Freight Advisory Committee

Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: 99008 W.O. 130
Award Dates: August 13, 2013 - September 30, 2014

Project: FY14 Administrative Support fo

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: August 13, 2013 - September 30, 2014

Award: Primary Seat Belt Evaluation Follow-up Study

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF PUBLIC SAFETY

Sponsoring Organization Reference ID: 72296

Award Dates: January 3, 2014 - May 31, 2014

Project: Primary Seat Belt Evaluation Follow-up Study

Project Team: Douma, Frank, P. (Principal)

Status: Closed - Pending Final Close

Project Dates: January 3, 2014 - May 31, 2014

Award: Human Services Research and Transportation Planning

Status: Closed

Sponsoring Organization: DAKOTA COUNTY

Award Dates: September 11, 2013 - February 28, 2014

Project: Human Services Research and Transportation Planning

Project Team: Douma, Frank, P. (Co-Investigator), Mathison, Arlene, M. (Principal), Lundquist, Leah, M. D. (Co-Investigator)

Status: Closed - Pending Final Close

Project Dates: September 11, 2013 - February 28, 2014

Award: Minnesota Field Test of CrashHelp

Principal Investigator: Munnich, Lee W.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: Contract No. 99008, W.O. No. 58

Award Dates: May 14, 2012 - January 31, 2014

Project: Minnesota Field Test of CrashHelp

Project Team: Douma, Frank, P. (Co-Investigator), Munnich, Lee, W. (Principal), Baas, Gina, M. (Co-Investigator)

Status: Closed - Pending Final Close

Project Dates: May 14, 2012 - January 31, 2014

Award: Understanding District 8 Manufacturer's Perspectives on Transportation: An Industry Cluster Approach

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: MnDOT Contract #99008 Work Order #86

Award Dates: January 18, 2013 - December 31, 2013

Project: Understanding District 8 Manufactures' Perspectives on Transportation: An Industry Cluster Approach

Project Team: Douma, Frank, P. (Principal), Kane, Matthew, G. (Co-Investigator), Ahmed, Adeel (Co-Investigator), Munnich, Lee, W. (Co-Investigator), Darger, Michael, P. (Co-Investigator), Linscheid, Neil, R. (Co-Investigator)

Status: Closed - Pending Final Close

Project Dates: January 18, 2013 - December 31, 2013

Award: Transportation Policy and Economic Competitiveness

Project Investigators: Douma, Frank P.
Sponsoring Organization: State of Minnesota
Award Dates: 2013 - Present

Award: Transportation Policy and Economic Competitiveness

Project Investigators: Douma, Frank P.
Status: Funded
Sponsoring Organization: State of Minnesota
Award Dates: 2013 - Present

Award: Minnesota Council on Transportation Access (MCOTA) Support, FY13

Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: 99008 W.O. 79 Amendment 1
Award Dates: November 20, 2012 - October 31, 2013

Project: Minnesota Council on Transportation Access (MCOTA) Support, FY13

Project Team: Douma, Frank, P. (Co-Investigator), Mathison, Arlene, M.
(Principal)
Status: Closed - Pending Final Close
Project Dates: November 20, 2012 - October 31, 2013

Award: University Transportation Centers

Principal Investigator: Donath, Max
Status: Closed
Sponsoring Organization: US DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: DTRT06-G-0013, Mod 5
Award Dates: August 23, 2006 - March 31, 2013

1. Project: Tech Plan: Transportation Plan

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: August 25, 2008 - July 1, 2010

2. Project: Substitution between E-shopping and Travel: Evidence from the Twin Cities- FY09 Tech Plan

Project Team: Douma, Frank, P. (Co-Investigator), Cao, Xinyu (Principal)
Status: Closed - Pending Final Close
Project Dates: August 25, 2008 - August 31, 2010

3. Project: ITS and Locational Privacy: Suggestions for Peaceful Coexistence - FY10 TechPlan

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: September 1, 2009 - March 31, 2012

4. Project: EMS System Data Integration to Improve Traffic Crash Emergency Response and Treatment - Phase III

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: September 1, 2009 - March 31, 2012

5. **Project: ITS and Transportation Safety:**

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: January 1, 2011 - December 31, 2012

6. **Project: ITS Data Needs: How Much Do We Really Need to Know - FY11 TechPlan**

Project Team: Douma, Frank, P. (Principal), Simon, Stephen, M.
Status: Closed - Pending Final Close
Project Dates: January 1, 2011 - June 30, 2012

7. **Project: SMARTPHONE-BASED TRAVEL EXPERI**

Project Team: Liao, Chen-Fu, Douma, Frank, P., Liao, Chen-Fu, Marshall, Julian, D., Fan, Yingling (Principal)
Status: Closed - Pending Final Close
Project Dates: January 1, 2011 - June 30, 2012

8. **Project: TECHPLAN FY09:PREPARING TRANSP**

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: June 11, 2007 - February 24, 2010

9. **Project: ITS AND PRIVACY: DEVELOPING NE**

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: June 11, 2007 - December 31, 2008

Award: Identifying Issues Related to Deployment of Automated Speed Enforcement

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: MnDOT Contract No. 00848

Award Dates: April 30, 2012 - June 30, 2012

Project: Identifying Issues Related to Deployment of Automated Speed Enforcement

Project Team: Douma, Frank, P. (Principal)

Status: Closed - Pending Final Close

Project Dates: April 30, 2012 - June 30, 2012

Award: Assessment of Mn/DOT's Strategic Highway Research Program (SHRP2)

Project C-18: Pilot Test the Collaborative Decision Making Framework

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: 89261 W.O. 232

Award Dates: October 14, 2010 - June 30, 2012

Project: Assessment of Mn/DOT's Strategic Highway Research Program (SHRP2) Project C-I8: Pilot Test the Collaborative Decision Making Framework

Project Team: Douma, Frank, P. (Principal), Baas, Gina, M. (Co-Investigator)
Status: Closed - Pending Final Close
Project Dates: October 14, 2010 - June 30, 2012

Award: Impacts of Minnesota's Primary Seat Belt Law

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: Minnesota Department of Public Safety
Sponsoring Organization Reference ID: Contract No. 38180
Award Dates: January 3, 2012 - March 28, 2012

Project: Impacts of Primary Seat Belt Law

Project Team: Douma, Frank, P. (Principal)
Status: Closed - Pending Final Close
Project Dates: January 3, 2012 - March 28, 2012

Award: Innovative Parking Pricing Demonstration Project - Phase II

Principal Investigator: Lari, Adeel Z.
Status: Closed
Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION
Sponsoring Organization Reference ID: 89261 W.O. 170
Award Dates: August 13, 2009 - December 31, 2011

Project: Innovative Parking Pricing Demonstration Project - Phase II

Project Team: Lari, Adeel, Z. (Principal), Douma, Frank, P. (Co-Investigator),
Lari, Adeel, Z. (Principal)
Status: Closed - Pending Final Close
Project Dates: August 13, 2009 - December 31, 2011

Award: Itasca County Area Transportation Study, Phase II

Principal Investigator: Douma, Frank P.
Status: Closed
Sponsoring Organization: Blandin Foundation
Award Dates: April 15, 2011 - November 15, 2011

Project: Itasca County Area Transportation Study

Project Team: Douma, Frank, P. (Principal), Fan, Yingling (Co-Investigator)
Status: Closed - Pending Final Close
Project Dates: April 15, 2011 - November 15, 2011

Award: Substitution between E-shopping and Travel: Evidence from the Twin Cities-FY09 Tech Plan

Project Investigators: Douma, Frank P.
Status: Funded
Sponsoring Organization: University of Minnesota (United States Department of Transportation)
Award Dates: 2008 - 2010

Award: Itasca County Area Transportation Study

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: BLANDIN FOUNDATION

Sponsoring Organization Reference ID: G2009-0282

Award Dates: July 1, 2009 - May 1, 2010

Project: Itasca Area Transportation Study

Project Team: Douma, Frank, P. (Principal), Robinson, Ferrol, O., Baas, Gina, M., Fan, Yingling

Status: Closed - Pending Final Close

Project Dates: July 1, 2009 - May 1, 2010

Award: The Implications of Current and Emerging Privacy Law for ITS - FY08 TechPlan

Project Investigators: Douma, Frank P.

Status: Funded

Sponsoring Organization: University of Minnesota (United States Department of Transportation)

Award Dates: 2007 - 2009

Award: Examining the Success of Bus Only Shoulder Lanes

Project Investigators: Douma, Frank P.

Status: Funded

Sponsoring Organization: Hennepin County

Award Dates: 2006 - 2009

Award: Impact of Bicycle Facilities on Commute Mode Share

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: 89261 W.O.#29 Amend2

Award Dates: July 17, 2006 - November 30, 2008

Project: IMPLACT OF BICYCLE FACILITIES

Project Team: Douma, Frank, P. (Principal)

Status: Closed - Pending Final Close

Project Dates: July 17, 2006 - November 30, 2008

Award: Improving Car-Sharing and Transit Service with ITS

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MN DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: 89261 W.O.#33 Amend #1

Award Dates: December 15, 2006 - September 30, 2008

Project: Improving Car-sharing and Transit Service with ITS

Project Team: Douma, Frank, P. (Principal)

Status: Closed - Pending Final Close

Project Dates: December 15, 2006 - September 30, 2008

Award: Transportation Equity Act for the 21st Century (TEA 21)

Principal Investigator: Donath, Max

Status: Closed

Sponsoring Organization: US DEPARTMENT OF TRANSPORTATION

Sponsoring Organization Reference ID: USDOT/DTRS98-G-0011

Award Dates: June 9, 1998 - September 30, 2008

Project: SUSTAINABLE TECH RESEARCH 99-1

Project Team: Douma, Frank, P. (Principal)

Status: Closed - Pending Final Close

Project Dates: January 1, 2000 - July 31, 2008

Award: Telework Synthesis Project

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: CESSI ACCESSIBLE SOLUTIONS

Sponsoring Organization Reference ID: GS-10F-0006M/T.O. UMN--001

Award Dates: December 15, 2007 - September 24, 2008

Project: TELEWORK SYNTHESIS PROJECT

Project Team: Douma, Frank, P. (Principal)

Status: Closed - Pending Final Close

Project Dates: December 15, 2007 - September 24, 2008

Award: Telework/Telecommuting Pilot Research

Principal Investigator: Douma, Frank P.

Status: Closed

Sponsoring Organization: MIDWEST INSTITUTE FOR TELECOMM

Award Dates: October 1, 2004 - December 31, 2007

Project: TELEWORK/TELECOMMUTING PILOT R

Project Team: Douma, Frank, P. (Principal)

Status: Closed - Pending Final Close

Project Dates: October 1, 2004 - December 31, 2007

Award: Telework as a Return to Work Strategy

Project Investigators: Douma, Frank P.

Status: Funded

Sponsoring Organization: United States Department of Labor

Award Dates: 2004 - 2007

Award: Developing ITS to Serve Diverse Populations

Project Investigators: Douma, Frank P.

Status: Funded

Sponsoring Organization: Minnesota Department of Transportation

Award Dates: 2004 - 2006

Award: Impact of Bicycle Facilities on Commute Mode Share

Project Investigators: Douma, Frank P.

Status: Closed

Sponsoring Organization: Minnesota Department of Transportation

Award Dates: 2003 - 2006

Award: In-Depth Examination of Urban Corridor Development

Project Investigators: Douma, Frank P.

Status: Funded

Sponsoring Organization: Hennepin County, Minnesota

Award Dates: 2003 - 2006

Award: Using ITS to Better Serve Diverse Populations

Project Investigators: Douma, Frank P.

Status: Funded

Sponsoring Organization: Minnesota Department of Transportation

Award Dates: 2003 - 2005

Award: Telecommunications and Sustainable Transportation

Project Investigators: Douma, Frank P.

Status: Funded

Sponsoring Organization: Minnesota Department of Transportation

Award Dates: 2001 - 2003

Publications

Asterisk() - indicates co-first author*

Underline - indicates student author

Peer-Reviewed Journal Article

- Emory, K., **Douma, F.**, & Cao, J. (2022). Autonomous vehicle policies with equity implications: Patterns and gaps. *Transportation Research Interdisciplinary Perspectives*, 13, 100521.
- Wu, X., Cao, J., & **Douma, F.** (2021). The impacts of vehicle automation on transport-disadvantaged people. *Transportation Research Interdisciplinary Perspectives*, 11, 100447.
- Wu, X., **Douma, F.**, Cao, J., & Shepard, E. (2020). Preparing Transit in the Advent of Automated Vehicles: A Focus-Group Study in the Twin Cities. *Findings*.
- Hauf, A., & **Douma, F.** (2019). Governing Dockless Bike Share: Early Lessons for Nice Ride Minnesota. *Transportation Research Record*, 2673(9), 419--429.
- Douma, F.**, & Petersen, E. (2019). Scenarios and Justification for Automated Vehicle Demonstration in Rural Minnesota. *Center for Transportation Studies, University of Minnesota*.
- Douma, F.**, & Alarcon, F. Toward Greater Understanding of the Relationship between Public Perceptions of Speed, Speed Laws, and Safety. *Journal of Transportation Law, Logistics and Policy*. [Accepted:2018]
- Peterson, C., **Douma, F.**, & Morris, N. (2017). Addressing key concerns regarding automated speed enforcement via interactive survey. *Transportation Research Record: Journal of the Transportation Research Board*(2660), 66--73.
- Munnich, L., & **Douma, F.** (2017). Obtaining manufacturers' perspectives in making regional transportation decisions. *Community Development*, 48(2), 240--254.
- Douma, F.** (2017). Volunteer Driver Programs in Minnesota: Benefits and Barriers. *Minnesota Council on Transportation Access*.
- Douma, F.**, Peck, S., Tilahun, N., Minnesota, V. I., & Tilahun, F. D. N. (2015). 4. Title and

Subtitle 5. Report Date Impact of Exempting the Recording of Low Level Speed.

- Fatehi, L., & **Douma, F.** (2015). Autonomous Vehicles: The Legal and Policy Road Ahead. *Minn. JL Sci. & Tech.*, 16, 615--617.
- Douma, F.**, Tilahun, N., & Spencer, P. (2015). Impact of exempting the recording of low level speed violations in Minnesota. *Center for Transportation Studies, University of Minnesota.*
- Douma, F.** (2015). Interstate 35E MnPASS Managed Lanes Extension: Little Canada Road to County Road 96 Pre-Implementation Study. *Center for Transportation Studies, University of Minnesota.*
- Fatehi, L., **Douma, F.**, Glancy, D. J., Stanley, K. D., Lari, A., Onyiah, I., . . . others (2015). LAW, SCIENCE & TECHNOLOGY.
- Stanley, K. D., Partridge, E., & **Douma, F.** (2015). Legal Accelerators and Brakes for Deployment of Automated Vehicles. *Road Vehicle Automation 2, Springer, Cham*, 93--104.
- Lari, A., **Douma, F.**, & Onyiah, I. (2015). Self-driving vehicles and policy implications: current status of autonomous vehicle development and Minnesota policy implications. *Minn. JL Sci. & Tech.*, 16, 735.
- Peck, S., Fatehi, L., **Douma, F.**, & Lari, A. (2015). The SDVs Are Coming! An Examination of Minnesota Laws in Preparation for Self-Driving Vehicles. *Minn. JL Sci. & Tech.*, 16, 843.
- Mathison, A., Baas, G., Cowan, J., **Douma, F.**, Narvaez, G., & Garry, T. (2014). Dakota County Human Services Research and Transportation Planning: Strategic Action Plan. *Center for Transportation Studies, University of Minnesota.*
- Lari, A., **Douma, F.**, Yang, K. L., Caskey, K., & Cureton, C. (2014). Innovative Parking Pricing Demonstration in the Twin Cities: Introducing Flexibility and Incentives to Parking Contracts. *Center for Transportation Studies, University of Minnesota.*
- Douma, F.**, Munnich, L., & Garry, T. (2014). Options for automated speed enforcement pilot projects in Minnesota work and school zones. *Center for Transportation Studies, University of Minnesota.*
- Lari, A., **Douma, F.**, & Onyiah, I. (2014). Self-driving vehicles: current status of autonomous vehicle development and Minnesota policy implications. *Preliminary white paper, University of Minnesota*, 1--20.
- Garry, T., **Douma, F.**, & Simon, S. (2013). Intelligent Transportation systems: Personal data needs and privacy law. *Transp. LJ*, 39, 97.
- Douma, F.**, & Garry, T. (2013). NEMT Coordinators in Minnesota.
- On, M. C., **Douma, F.**, & Garry, T. (2013). NEMT Coordinators in Minnesota: A Survey of How Minnesota Counties Use Coordinators to Deliver Non-Emergency Medical Transportation Prepared by.
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- Douma, F.**, & Palodichuk, S. A. (2012). Criminal liability issues created by autonomous vehicles. *Santa Clara L. Rev.*, 52, 1157.
- Munnich, L. W., **Douma, F.**, Qin, X., Thorpe, J. D., & Wang, K. (2012). Evaluating Effectiveness of States' Toward-Zero-Deaths Programs. *Center for Excellence in Rural Safety, University of Minnesota, Minneapolis.*

- Douma, F.**, Munnich, L., Loveland, J., & Garry, T. (2012). Identifying issues related to deployment of automated speed enforcement. *Intelligent Transportation Systems Institute, Center for Transportation Studies, University of Minnesota.*
- Douma, F.**, & Tilahun, N. (2012). Impacts of Minnesota's Primary Seat Belt Law. *Center for Excellence in Rural Safety, University of Minnesota.*
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- Fan, Y., Chen, Q., Liao, C.-F., & **Douma, F.** (2012). Smartphone-based travel experience sampling and behavior intervention among young adults. *Intelligent Transportation Systems Institute, Center for Transportation Studies, University of Minnesota.*
- Cao, X. J., Xu, Z., & **Douma, F.** (2012). The interactions between e-shopping and traditional in-store shopping: an application of structural equations model. *Transportation, 39(5), 957--974.*
- Xu, Z., & **Douma, F.** (2012). The Interactions between E-Shopping and Traditional In-Store Shopping: An Application of Structure Equations Model.
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- Cao, X., **Douma, F.**, & Cleaveland, F. (2010). Influence of E-Shopping on Shopping Travel: Evidence from Minnesota's Twin Cities. *Transportation Research Record: Journal of the Transportation Research Board(2157), 147--154.*
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- Bolan, R. S., Munnich, Jr, L. W., Krizek, K. J., Horan, T. A., Levinson, D., Berndt, M., . . . others (2008). Places and Networks: The Changing Landscape of Transportation and Technology Final Summary Report of the STAR--TEA 21 Project. *Contract (C), 2009041(2009042), 2009043--2009045.*
- Berndt, M., Bolan, R. S., Burkhard, R., **Douma, F.**, Duncan, C., Handy, S. L., . . . others (2008). Places and Networks: The Changing Landscape of Transportation and Technology Final Summary Report of the STAR--TEA 21 Project. *University of Minnesota Center for Transportation Studies.*

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- Douma, F., & Deckenbach, J.** (2008). The Implications of Current and Emerging Privacy Law for ITS. *University of Minnesota Center for Transportation Studies*.
- Zmud, J., Bradley, M., **Douma, F., & Simek, C.** (2007). Attitudes and willingness to pay for tolled facilities: a panel survey evaluation. *Transportation Research Record: Journal of the Transportation Research Board*(1996), 58--65.
- Douma, F.** (2007). Bus-only shoulders in the Twin Cities. *University of Minnesota/USDOT*, June.
- Douma, F.** (2006). Solo and ensemble: for a price, single-passenger cars can enjoy the Express Lane in Minnesota. *Transportation Management & Engineering*, 11(3).
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- Wells, K., **Douma, F.**, Loimer, H., Olson, L., & Pansing, C. (2001). Telecommuting implications for travel behavior: case studies from Minnesota. *Transportation Research Record: Journal of the Transportation Research Board*(1752), 148--156.

Book Chapter

- Munnich, L., **Douma, F., & Loveland, J.** (2018). The public acceptability of road pricing—a US case study. *Road Pricing: Technologies, Economics and Acceptability* 125. London: Institution of Engineering and Technology.
- Nguyen, N., Munnich, L., & **Douma, F.** (2015). Closing the Gap in Rural and Urban Road Deaths. Hughes, D. (Ed.), *Transportation Issues, Policies and R&D: Road and Traffic Safety: Practices, Role of Human Behavior and Effective Programs* vol. 4, 1-22. New York Chapter: Nova Science Publishers.

Law Review

- Shepard, E., Napoline, K., **Douma, F., & Lari, A.** (2022). *Opportunities and Challenges for Deploying Connected and Automated Vehicles to Address Transportation Disparities in Urban Areas* 3rd ed., vol. 2022, 23. Ann Arbor, Michigan: Journal of Law and Mobility. <https://heinonline.org/HOL/P?h=hein.journals/jlwmb2022&i=53>
- Douma, F., Lari, A., & Andersen, K.** (2017). *The Legal Obligations, Obstacles, and Opportunities for Automated and Connected Vehicles to Improve Mobility and Access for People Unable to Drive* 1st ed., vol. 2017, 75. Michigan State Law Review.
- Douma, F., & Hedblom, M. K.** (2001). *Wireless Communication Applications for Transportation: User Boon or Booby Trap?* 4th ed., vol. 27, 6. William Mitchell Law Review.
- Douma, F., & Tilahun, N. Y.** (2014). *Impact of Minnesota's Primary Seat Belt Law: An Evaluation Update*. Center for Transportation Studies, University of Minnesota.
- Douma, F., & Kriz, K. A.** (2003). *Transportation Corridor Planning: a Model and Case studies*. Online] Humphrey School of public affairs, University of Minnesota Available at: <http://www.hhh.umn.edu/img/assets/8460/CBPTRBpaperFinalr2.pdf> [Accessed in August, 2012].

Blog

Lari*, A., & Douma*, F. (2023). Telecommuting: The Pandemic's 'Silver Lining' May Have a 'Touch of Gray'. *The Future of Mobility: A Series from the Center for Transportation Studies*. Minneapolis, MN: University of Minnesota Center for Transportation Studies.
<https://www.cts.umn.edu/research/featured/futureofmobility/lari-douma> [Non-Refereed]
Writer / contributor

Case Review

Douma, F., & Hauf, A. (2018). *Governing Dockless Bike Share: Early Lessons for Nice Ride Minnesota*. Center for Transportation Studies, University of Minnesota.
<https://www.cts.umn.edu/Research/ProjectDetail.html?id=2019023>

Conference Proceeding

- Nguyen, N. P., Munnich, L. W., & Douma, F. (2014). Closing the Gap in Rural and Urban Road Deaths. *Transportation Research Board 93rd Annual Meeting* 14-3917 ed..
- Fan, Y., Chen, Q., Liao, C.-F., & Douma, F. (2013). UbiActive: A smartphone-based tool for trip detection and travel-related physical activity assessment. *TRB 92nd Annual Meeting Compendium of Papers, Transportation Research Board, TRB 2013 Annual Meeting*.
- Douma, F., & Gaug, R. (2009). Carsharing in the Twin Cities: Measuring impacts on travel behavior and automobile ownership. *Transportation Research Board 88th Annual Meeting* 09-0446 ed..
- Cleveland, F., & Douma, F. (2009). The impact of bicycling facilities on commute mode share. *88th Annual Meeting of the Transportation Research Board, Washington, DC*.
- Douma, F., Frooman, S., & Deckenbach, J. (2008). What You Need to Know--and Not Know: Current and Emerging Privacy Law for Intelligent Transportation Systems. *Transportation Research Board 87th Annual Meeting* 08-1857 ed..
- Zmud, J., Bradley, M., Douma, F., & Simek, C. (2007). Panel Survey Evaluation of Attitudes and Willingness to Pay for Tolled Facilities. *Transportation Research Board Annual Meeting*.
- Zmud, J. P., Peterson, S., & Douma, F. (2007). Preliminary Before and After Results of I-394 HOT Lane Panel Survey. *Transportation Research Board 86th Annual Meeting* 07-0048 ed..
- Douma, F., & Andrew, J. (2006). Developing a Model for Car Sharing Potential in Twin Cities Neighborhoods. *Transportation Research Board 85th Annual Meeting* 06-2449 ed..
- Andrew, J., & Douma, F. (2006). Developing a model for carsharing potential in Twin Cities neighbourhoods. *Compendium of Papers for the 85th Annual Meeting of the Transportation Research Board, Washington DC, January 22--26*.
- Zmud, J. P., Douma, F., & Patterson, T. (2006). Pricing Comes to Minnesota: Baseline Attitudinal Evaluation of the I-394 HOT Lane Project. *Transportation Research Board 85th Annual Meeting* 06-2486 ed..
- Douma, F., & Wilson, S. (2006). Transportation Needs of Foreign-Born Ethnic Subpopulations in Rural and Urban Communities: Environmental Justice Perspective. *Transportation Research Board 85th Annual Meeting* 06-2422 ed..
- Douma, F., Zmud, J., & Patterson, T. (2005). Pricing Comes to Minnesota: Attitudinal Evaluation of I-394 HOT Lane Project. *Transportation Research Board Annual Meeting*.
- Douma, F., Wells, K., Horan, T. A., & Krizek, K. J. (2004). ICT and travel in the twin cities metropolitan area: enacted patterns between Internet use and working and shopping trips.

Proceedings CD-ROM of the 83rd Annual Meeting of the Transportation Research Board, Washington DC.

Hedblom, M. K., & Douma, F. (2004). ITS OPPORTUNITIES RESULTING FROM DEVELOPMENTS IN HOME BROADBAND TELECOMMUNICATIONS. *At the Crossroads: Integrating Mobility Safety and Security. ITS America 2004, 14th Annual Meeting and Exposition ITS America.*

Douma, F., Wells, K., Horan, T., & Krizek, K. (2003). ICT and travel in the twin cities Metropolitan area: enacted patterns between internet use and working and shopping trips. *The Proceedings of the 83rd Annual Meeting of the Transportation Research Board (CD-ROM) in Washington DC.*

Douma, F., Hedblom, M. K., & Dadabayeva, N. (2002). REGULATION OF SAFETY AND PRIVACY ISSUES IN WIRELESS COMMUNICATION APPLICATIONS FOR TRANSPORTATION. *ITS America 12th Annual Meeting and Exposition: Securing Our Future.*

Technical Report

Douma, F. (Lead Author), & Douma, M. (2023). *Maximizing Transportation Assets by Building Community Connection Through Innovative Deployment of Rights of Way and Airspace* 2023-28 ed., 131. St. Paul, Minnesota: Minnesota Department of Transportation. https://mdl.mndot.gov/flysystem/fedora/2023-07/2023-28_0.pdf

Lead Author

Douma, F., Fonseca-Sarmiento, C. (Lead Author), Lari, A. (Corresponding Author), Murphy, D., Zhao, J., & Morris, P. (2023). *Enhancing Managed Lanes Equity Analysis* 2023-15 ed., 119. St Paul, MN: Minnesota Department of Transportation. <https://hdl.handle.net/11299/255183>

Contributing Author

Fonseca-Sarmiento, C., Zeerak, R., Marsh, I., Murphy, D., Douma, F., & Zhao, J. (2023). *Adequacy of Disability Benefits for Minnesota Police Officers*. St Paul, MN: Minnesota Department of Labor and Industry.

https://www.dli.mn.gov/sites/default/files/pdf/police_benefit_adequacy_study.pdf

Interpreted application of Minnesota laws and regulations

Douma, F., Zhao, J., Fonseca, C., Zeerak, R., Lari, A., Munnich, L., . . . Loveland, J. (2021). *Minnesota User Based Fee Demonstration*. Center for Transportation Studies, University of Minnesota.

Wu, X., Douma, F., & Cao, J. (2019). *Challenges and Opportunities of Autonomous Vehicles to Urban Planning: Investigation into Transit and Parking*.

Douma, F., Cao, J., Corcoran, H., Fan, Y., Lari, A., Rohde, B., . . . Karner, K. (2019). *The ABC Parking Ramps in Minneapolis: A Unique Past. A Visionary Future*. Minnesota Department of Transportation.

Noble, C., & Douma, F. (2018). *Best Practices for Addressing Youth Employment and Training Transportation*. Minnesota Council on Transportation Access.

<http://cts.umn.edu/Publications/ResearchReports/pdfdownload.pl?id=2922>

Douma, F., & Alarcon, F. (2018). *Toward Greater Understanding of the Relationship between Public Perceptions of Speed, Speed Laws, and Safety*. Center for Transportation Studies, University of Minnesota.

Peterson, C., Douma, F., & Morris, N. (2017). *Identifying and Reconciling Stakeholder Perspectives in Deploying Automated Speed Enforcement*. Center for Transportation Studies,

University of Minnesota.

Lari, A., **Douma, F.**, Caskey, K., Yang, K. L., & Cureton, C. (2012). *Innovative Parking Pricing Demonstration: Introducing Flexibility and Incentives to Parking Contracts.*

Webinar

Douma, F. P. (2017). *Policy and Planning Opportunities of Self-Driving Vehicles.*

Publications Submitted or in Progress

Asterisk() - indicates co-first author*

Underline - indicates student author

Peer-Reviewed Journal Article

Lari, A. (Lead Author), Sheikh, M., & Douma, F. (Corresponding Author) The Impacts of COVID-19 Telecommuting for the Twin Cities Metro Area. *Journal of the Transportation Research Forum/Elsevier.* [Submitted:2023]

Invited Presentations, Posters, and Exhibits

Underline - indicates student presenter

Keynote/Plenary Address

Douma, F. "Transportation Sharing: Market-Based Policy Change," Minnesota Higher Education Bike Forum: Micro-Mobility in Minnesota University of Minnesota, Minneapolis, Minnesota, United States. (January 15, 2019). *Invited.*

Handy, S., (Keynote/Plenary Speaker), **Douma, F. P., (Panelist)**, Erkel, J., (Panelist), Monson, K., (Panelist), Sexton, T., (Panelist) "The Future of Driving in the Land of Freeways,". (November 1, 2018). *Invited.*

Closing remarks

Douma, F. P. "Closing remarks at "Minnesota's Stake in Plug-in Hybrid Electric Vehicles",", St. Paul, Minnesota. (January 18, 2007). *Invited.*

Demonstration

Lari, A., **Douma, F. P.** "Policy Implications for Self-Driving Vehicles," St. Cloud Area Planning Organization, Waite Park, Minnesota. (May 10, 2018). *Invited.*

URL: <http://www.stcloudapo.org/policy-board.html>

Audience size: 15

Describe the audience: local officials, planning commissioners, members of the public

Douma, F. P. "Policy Implications of Self-Driving Vehicles," League of Minnesota Cities Improving Local Economies Policy Committee meeting, St. Paul, Minnesota. (August 2017). *Invited.*

URL: <https://www.lmc.org/page/1/improving-local-economies.jsp>

Audience size: 30

Describe the audience: High level city staff and elected officials

Douma, F. P. "Self-Driving Vehicles - Legal and Insurance Issues," Regional Council of Mayors, Minneapolis, Minnesota. (December 12, 2016). *Invited.*

URL: http://minnesota.uli.org/wp-content/uploads/sites/31/2016/12/RCM_2016.12.12.pdf

Audience size: 35

Describe the audience: Twin Cities Metro Area mayors and staff

Didactic Seminar

Douma, F. P. "Transportation Sharing: Market-Based Policy Change," Research Workshop on the Sharing Economy University of Minnesota, Minneapolis, Minnesota, United States. (November 3, 2017). *Invited*.

URL: <http://sharingeconomy.umn.edu/events/workshop/2017/index.html>

Audience size: 50

Describe the audience: academic

Executive Training

Douma, F. P., (Leader) "Transportation Equity Training - Executive session," Transportation Equity Training Minnesota Department of Transportation, St Paul, Minnesota, United States. (April 18, 2023). *Invited*.

Funding workshop

Douma, F. P. "Automated Vehicles and Transportation Finance: A "Choose Your Own Adventure" Discussion," Minnesota Transportation Funding Workshop Minnesota Transportation Alliance, St. Paul, Minnesota. (September 11, 2018). *Invited*.

Audience size: 70

Describe the audience: Transportation funding stakeholders and decision makers

Lecture

Douma, F. P. "Policy Implications for Self-Driving Vehicles," Grinnell Mutual Insurance, Grinnell, Iowa. (April 24, 2018). *Invited*.

Audience size: 85

Describe the audience: Insurance professionals

Douma, F. P. "Policy Implications for Self-Driving Vehicles," White Bear Lake Chamber of Commerce, Maplewood, Minnesota. (January 16, 2018). *Invited*.

Audience size: 80

Describe the audience: Chamber of Commerce members, Legislators

Douma, F. P. "Policy Implications of Self-Driving Vehicles," La Rive Condominium Lecture Series, Minneapolis, Minnesota. (March 10, 2017). *Invited*.

Audience size: 25

Describe the audience: Academics, politicians, interested citizens

Legislative Testimony

Douma, F. P., (Presenter), Shelton, K., (Presenter) "Metropolitan Planning Organizations: Definitions, History, and other Context," Metropolitan Governance Task Force State of Minnesota, St Paul, Minnesota, United States. (October 11, 2023). *Invited*.

URL: <https://www.leg.mn.gov/cal?d1=10/11/2023>

Presentation to the Minnesota Metropolitan Governance Task Force on the history and need for metropolitan governance in the United States, and applying it to the Metropolitan Council

Douma, F. P. "Identifying Issues Related to Deploying Automatic Enforcement in Minnesota," 44th Meeting of the Minnesota House Transportation Finance and Policy Committee Minnesota Legislature, St Paul, Minnesota, United States. (March 25, 2022). *Invited*.

URL: <https://www.house.mn.gov/comm/docs/Y37nfzzl2UWV3z3jvEYTeQ.pdf>

Douma, F. P., (Presenter) "Connected and Automated Vehicles (CAV's)," Committee Hearing Minnesota House of Representatives Transportation Finance and Policy Committee, St Paul, Minnesota, United States. (January 19, 2021). *Invited*.

URL: <https://www.house.leg.state.mn.us/committees/minutes/92028/88643>

Legislative testimony on current state to CAV development and deployment

Luncheon

Douma, F. P. "Autonomous Vehicles," White Bear Area Chamber of Commerce White Bear Area Chamber of Commerce, White Bear Lake, Minnesota. (August 1, 2018). *Invited*.

URL: http://www.presspubs.com/white_bear/news/article_554d41ca-9b21-11e8-b0f5-575ef694cfa1.html

Audience size: 20

Describe the audience: Local business leaders

Luncheon Presentation

Douma, F. P., Lari, A. "Policy Implications of Self-Driving Vehicles," BOMA September General Meeting. (September 21, 2017). *Invited*.

URL: <http://www.bomampls.org/education-events/calendar/september-general-meeting/>

Audience size: 50

Describe the audience: Building Owners and Managers of Minneapolis

Podium

Douma, F. P., (Panelist) "Maximizing Transportation Assets by Building Community Connection Through Innovative Development of Rights of Way and Airspace," 2023 Reconnecting Communities Summit Conference Of Minority Transportation Officials, St Paul, Minnesota, United States. (October 13, 2023). *Invited*.

URL: <https://members.comtonational.org/page/2023-summit-home>

This Minnesota Department of Transportation-sponsored research effort examined innovative right-of-way projects nationwide, focusing on how new and innovative practices for redeveloping transportation assets can meet ambitious goals such as mitigating environmental impacts, encouraging placemaking, and enhancing economic opportunity while continuing to meet their transportation purpose. The team explored case studies from across the nation and identified best practices and lessons learned to inform future agencies and planners of new trends in transportation right-of-way projects.

Douma, F. P., (Author & Presenter) "Moving Freight That Last Mile -- And Then the First One!," 2019 CTS Annual Transportation Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 7, 2019). *Invited. Peer-reviewed/refereed*.

URL: https://cts.prd.umn.edu/sites/cts.umn.edu/files/2020-07/5_douma.pdf

Study of current trends in meeting the needs of moving freight the "first mile" (from shippers to warehouses or distribution centers) and "last mile" (to the end users).

Douma, F. P., (Presenter) "Policy and Legal Opportunities and Obstacles for Connected and Automated Vehicles: Lessons from South of the Border?," Vehicle Technology International Conference Red River College, Winnipeg, Canada. (October 1, 2019). *Invited*.

URL: <https://www.rrc.ca/ar/2019/10/10/vehicle-technology-international-conference-presentations-available-for-download/>

A policy level discussion of the obstacles and opportunities related to development and deployment of connected and automated vehicles.

Douma, F. P., (Presenter) "Legal and Policy Issues in Transportation Data Privacy," Conference on Wireless Communications in Transit Global Mass Transit, Washington, District of Columbia, United States. (June 18, 2019). *Invited*.

URL: <https://www.globalmasstransit.net/archive.php?id=34753>

Provided a synopsis of the evolving state of legal regulation of data privacy in transportation

Douma, F. P., (Author & Presenter), Dame, R., (Author & Presenter) "ABC Parking Ramps: Reimagining the Future of Parking and Multimodal Transportation Choices," University of Minnesota Center for Transportation Studies Annual Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 1, 2018). *Invited*.

URL: <http://www.cts.umn.edu/events/conference/2018>

Douma, F. P. "How Planning for Self-Driving Vehicle Technology Can Help All People," 2017 Fall Forum ITS Minnesota, Bloomington, Minnesota, United States. (October 17, 2017). *Invited*.
URL: <http://www.itsmn.org/events/2017/8/7/j96ll11xklueac5bl2rhixjzr5r0ge>

Audience size: 100

Describe the audience: Transportation Professionals

Douma, F. P. "Minnesota User Based Fee Demonstration: Pre-Implementation Plan," Automated Vehicle Symposium AUVSI and TRB, San Francisco, California, United States. (July 12, 2017). *Invited*.

URL: <http://www.automatedvehiclessymposium.org/program/proceedings>

Douma, F., (Moderator), Fisher, T. R., (Author & Presenter), Eddy, J., (Speaker) "Driverless Cars, Compelling Impacts," Minnesota's Transportation Conference Minnesota Department of Transportation, St Paul, Minnesota, United States. (March 1, 2017). *Invited*.

URL: <http://mntransportationconference.org/program/>

Audience size: 150

Describe the audience: Transportation practitioners

Presentation to State Senate Committee

Douma, F. "A Look at Future Transportation Technology and Policy," Minnesota State Senate Transportation Committee Minnesota State Senate, St Paul, Minnesota, United States. (January 16, 2019). *Invited*.

URL: http://mnsenate.granicus.com/player/clip/3107?view_id=1

Presentation to State Senate Committee regarding changes in transportation technologies and what it means for transportation policy, financy and related items.

Presentation/Talk

Douma, F. P., (Panelist) "Driving Equity in Rural Communities: Overview of Studies 2008-2023," Smart Rural Seminar The Plum Catalyst, Grand Rapids, Minnesota, United States. (October 26, 2023). *Invited*.

URL: www.smartrural.com

Presentation summarizing studies into how to improve access to transportation alternatives in Grand Rapids and Itasca County

Douma, F. P., (Author & Presenter), Austin, L., (Discussant) "Maximizing Transportation Assets by Building Community Connection Through Innovative Development of Rights of Way and Airspace," Monthly meeting of AASHTO Joint Subcommittee on Alternative Uses of ROW AASHTO Joint Subcommittee on Alternative Uses of ROW. (October 9, 2023). *Invited*.

Douma, F., (Panelist) "Driving Equity in Rural Communities: Overview of Studies, 2008-2023," Smart Rural Seminar The Plum Catalyst, Grand Rapids, Minnesota, United States. (September 21, 2023). *Invited*.

URL: www.smartrural.com

Summary of research completed in the Grand Rapids Area regarding improving access to transportation alternatives

Douma, F. P., (Author & Presenter) "Maximizing Transportation Assets by Building Community Connection Through Innovative Development of Rights of Way and Airspace," Transportation and Community Evolution: What is the Role of the I-35 Corridor in Duluth University of Minnesota-Duluth, University of Minnesota Center for Transportation Studies, University of Minnesota Extension, Duluth, Minnesota, United States. (August 30, 2023). *Invited*.

- Douma, F. P., (Author & Presenter)**, Austin, L., (Discussant) "Maximizing Transportation Assets by Building Community Connection Through Innovative Development of Rights of Way and Airspace," Regular meeting of MnDOT Freight and Rail Planning Unit Minnesota Department of Transportation, St Paul, Minnesota, United States. (June 27, 2023). *Invited*.
- Douma, F. P., (Author & Presenter)**, Lari, A. Z., (Author) "The impacts of COVID-19 on commuting and telework and associated equity issues," TRB Webinar: Telecommuting and Transit Ridership in a Post-Pandemic Future Transportation Research Board of the National Academies of Sciences Engineering and Medicine, Minneapolis, Minnesota, United States. (March 28, 2023). *Invited. Peer-reviewed/refereed*.
URL: <https://www.nationalacademies.org/event/03-28-2023/trb-webinar-telecommuting-and-transit-ridership-in-a-post-pandemic-future>
- Douma, F. P., (Panelist)** "Impact of technology on non-user community," Law & Mobility Conference: How Tech Can Combat Forced Labor University of Michigan Law School, Ann Arbor, Michigan, United States. (March 10, 2023). *Invited*.
URL: <https://michigan.law.umich.edu/events/law-mobility-conference-how-tech-can-combat-forced-labor>
The Law and Mobility Program's 2023 conference considered how we might reimagine transportation technology in a way that combats the systemic vulnerability that leaves people at risk of having their labor exploited.
- Douma, F. P., (Author & Presenter)** "Identifying Issues Related to Deploying Automatic Enforcement in Minnesota (Summarizing work from 2013 - 2018)," Meeting of the Transportation Finance and Policy Committee of the Minnesota House of Representatives Minnesota Legislature, St Paul, Minnesota, United States. (March 25, 2022). *Invited*.
URL: <https://www.house.leg.state.mn.us/comm/docs/Y37nfztl2UWV3z3jvEYTeQ.pdf>
- Buckeye, K., (Moderator), Warren, M., (Presenter), Berrens, C., (Presenter), **Douma, F. P., (Author & Presenter)** "Demonstrating Distance Based Fee with Shared Mobility Fleets," Meeting of the Mileage Based User Fee Alliance Mileage Based User Fee Alliance, Washington, District of Columbia, United States. (March 24, 2022). *Invited*.
URL: <https://mbufa.org/wp-content/uploads/2022/04/DBF-Pres-to-MBUFA.pdf>
- Douma, F. P., (Presenter)** "Vehicle Automation: Driving Market-Based Policy Change," Maple Grove Critical Thinking Group meeting Maple Grove Critical Thinking Group, Maple Grove, Minnesota, United States. (February 12, 2022). *Invited*.
- Douma, F. P., (Author & Presenter)** "Identifying Issues Related to Deploying Automatic Enforcement in Minnesota," Meeting of the Work Zone Speed Management Study Task Force Minnesota Work Zone Speed Management Study Task Force, Minneapolis, Minnesota, United States. (September 30, 2021). *Invited*.
Presentation summarizing research performed on Automated Enforcement between 2013 and 2017.
- Douma, F. P., (Presenter)** "CAEV's (and relations) in Real Life: Ensuring Benefits to Society," Autonomous, Connected and Electrified Mobility Systems: Modeling, Control, and Deployment Institute of Electrical and Electronics Engineers. (September 19, 2021). *Invited*.
URL: <https://www.tue.nl/en/our-university/calendar-and-events/19-09-2021-autonomous-connected-and-electrified-mobility-systems-modeling-control-and-deployment/>
- Douma, F. P., (Speaker)** "Identifying Issues Related to Deploying Automatic Enforcement in Minnesota," Meeting of Minnesota Towards Zero Deaths Automated Speed Enforcement Subcommittee Minnesota Towards Zero Deaths Automated Speed Enforcement Subcommittee, Minneapolis, Minnesota, United States. (September 7, 2021). *Invited*.

- Douma, F. P., (Panelist)** "Policymaking," PA 8511 Guest Speaker University of Minnesota, Minneapolis, Minnesota, United States. (June 24, 2021). *Invited.*
- Douma, F. P., (Moderator)** "New Amtrak Chicago - Twin Cities Service," Transportation Research Forum Lunch & Learn Transportation Research Forum, United States. (March 4, 2021). *Invited.*
- Douma, F. P., (Presenter)**, Lari, A., (Presenter) "Telecommuting Impacts of COVID-19: What Will Be The New Normal?," Sustaining Your Local Economy In Turbulent Times: A Webinar Serices University of Minnesota Extension Center for Community Vitality, Minnesota, United States. (December 17, 2020). *Invited.*
URL: <https://extension.umn.edu/courses-and-events/sustaining-your-local-economy-turbulent-times#telecommuting-impacts-of-covid-19%3A-what-will-be-the-new-normal%3F-2659817>
- Douma, F. P., (Panelist)** "Opportunities and Implications of Widespread Telecommuting," Disrupting the Transportation Sector: Opportunities to Reduce Emissions and Increase Equity Minnesota Environmental Initiative, Minneapolis, Minnesota, United States. (December 11, 2020). *Invited.*
URL: <https://www.youtube.com/watch?v=6nRwRdB0YrM>
- Douma, F. P., (Speaker)** "Self-Driving (Connected and Automated) Vehicles," Adult Education Program Bethlehem Lutheran Church, Minneapolis, Minnesota, United States. (November 17, 2020). *Invited.*
- Douma, F. P., (Presenter)** "Identifying Issues Related to Deploying Automatic Enforcement in Minnesota (summarizing work from 2013 - 2017)," Automated Traffic Enforcement Technical Advisory Committee City of Minneapolis, Minneapolis, Minnesota, United States. (October 29, 2020). *Invited. Peer-reviewed/refereed.*
- Douma, F. P., (Presenter)** "An Equity-Driven CAV Demonstration," 2020 MAASTO CAV e-Summit Mid-America Association of State Transportation Officials (MAASTO) Committee on Connected and Automated Vehicles. (October 22, 2020). *Invited.*
Summary of Research that led to the planning of an AV shuttle serving senior and low income users
- Douma, F. P., (Presenter)**, Lari, A., (Presenter) "Telework Best Practices: Impacts on Transportation, the Environment, & the Workplace," Greenstep Webinar Clean Energy Resource Teams, St Paul, Minnesota, United States. (May 18, 2020). *Invited.*
- Douma, F. P., (Presenter)** "Connected and Automated Vehicles (CAV): Multimodal Options," MnDOT Multimodal Research Council MnDOT Multimodal Research Council, St Paul, Minnesota, United States. (April 29, 2020). *Invited.*
- Douma, F. P., (Speaker)** "Minnesota's Transportation Future: How New Technologies and other Innovations will Affect Competitiveness," Chapter meeting Financial Planning Association of Minnesota, Golden Valley, Minnesota, United States. (February 18, 2020). *Invited.*
- Douma, F. P., (Visiting Professor)** "Transportation Sharing: Market-Based Policy Change," Guest lecture University of Minnesota, Minneapolis, Minnesota, United States. (November 26, 2019). *Invited.*
- Douma, F. P., (Speaker)** "The Future of Transportation: It's Probably Not What You Think," Guest speaker Clear Springs Elementary School, Minnetonka, Minnesota, United States. (November 20, 2019). *Invited.*

- Douma, F. P.** "The Future of Transportation: How Can Policy Help Ensure Everyone Benefits?," HUP Brown Bag Hennepin University Partnership, Minneapolis, Minnesota, United States. (September 5, 2019). *Invited.*
- Douma, F. P., (Keynote/Plenary Speaker)** "The Future of the Commute," Monthly Education Event 3M Bicycle User Group, Maplewood, Minnesota, United States. (July 31, 2019). *Invited.*
A discussion of how changes in transportation technologies will impact other modes, including bicycles
- Douma, F. P., (Panelist)** "National and State Data Privacy," Twin Cities Shared Mobility Data Seminar and Workshop Twin Cities Shared Mobility Collaborative, Minneapolis, Minnesota, United States. (July 11, 2019). *Invited.*
URL:
<https://static1.squarespace.com/static/5d8a78b7362c255660b38364/t/5dd2d3862e1e1821e3259938/1574097867593/SMCdatasummary.pdf>
A discussion of the status of regulations surrounding data privacy in the United States, including risks to data collection and sharing broadly
- Douma, F. P., (Author & Presenter)** "The Future of the Commute (and more!)," 2019 Spring Corporate Bike Forum Bicycle Alliance of Minnesota, St Paul, Minnesota, United States. (May 22, 2019). *Invited.*
URL: <http://www.bikemn.org/component/events/event/778>
Presentation discussing how changes in transportation technology will impact parking, bicycle safety and related issues
- Douma, F. P., (Speaker)** "Sample of University of Minnesota Transportation Research," Energy Efficiency Innovation Seminar Series German American Chamber of Commerce, Minneapolis, Minnesota, United States. (November 5, 2018). *Invited.*
URL: <http://www.cts.umn.edu/publications/catalyst/2018/december/german>
- Douma, F. P.** "Implications of Automated and Connected Vehicles," Minnesota Metropolitan Planning Organization Annual Conference Minnesota Metropolitan Planning Organization, Minnesota. (August 9, 2018). *Invited.*
Audience Size: 15
Describe the audience: MPO Planners
- Douma, F. P., Dossett, B.** "The Future of Transportation: It's Probably Not What You Think," MnDOT Managers Conference MnDOT, St. Cloud, Minnesota. (June 19, 2018). *Invited.*
Audience size: 120
Describe the audience: MnDOT Managers
- Douma, F.** "Volunteer Driver Programs in Minnesota: L Benefits and Barriers," 2018 Minnesota Volunteer Driver Program Forum Minnesota Council on Transportation Access, St Paul, Minnesota, United States. (May 9, 2018). *Invited.*
URL: <http://www.coordinatemntransit.org/events/volunteerdriverforum/>
- Douma, F. P.** "Examining the Relationship Between Speed Enforcement Laws and Safety," Traffic Engineering Organization MnDOT, Arden Hills, Minnesota, United States. (March 27, 2018). *Invited.*
- Douma, F. P.** "Policy Implications of Self Driving Vehicles," General Meeting Minneapolis Building Owners and Managers Association, Minneapolis, Minnesota, United States. (September 21, 2017). *Invited.*
URL: <http://www.bomampls.org/education-events/calendar/september-general-meeting/>
- Douma, F.** "Policy Implications of Self Driving Vehicles," Improving Local Economies Policy Committee League of Minnesota Cities, St Paul, Minnesota, United States. (August 2017). *Invited.*

URL: <https://www.lmc.org/page/1/improving-local-economies.jsp>

Douma, F., Andersen, K. "Policy Implications of Self Driving Vehicles," Noon Lunch Forum St Paul Community, St Paul, Minnesota, United States. (April 14, 2017). *Invited.*

Douma, F. "Self-Driving Vehicles: Equity Issues," Monthly Meeting Minnesota Council on Transportation Access, St Paul, Minnesota. (March 22, 2017). *Invited.*

Audience size: 15

Describe the audience: government agency representatives

Douma, F., (Presenter), Lari, A., (Other) "Broadband Needs for Transportation," Task Force Meeting Governor's Broadband Task Force, St Paul, Minnesota, United States. (March 22, 2017). *Invited.*

URL: <https://mn.gov/deed/programs-services/broadband/task-force/>

Audience size: 20

Describe the audience: Government officials and trade representatives

Douma, F. P., (Speaker), Andersen, K., (Speaker) "Driverless Revolution: Will Self-Driving Cars Reshape Our Cities?," Urban Currents The Cunningham Group, Minneapolis, Minnesota, United States. (February 21, 2017). *Invited.*

URL: <http://www.cunningham.com/category/urban-currents/>

Audience size: 30

Describe the audience: architects, planners and interested citizens

Douma, F. P. "Changing Transit for a Changing Population in Greater Minnesota," MnDOT Transit Conference, St. Cloud, Minnesota. (June 14, 2016). *Invited.*

Douma, F. P. "Minnesota's Transportation Challenges," Osher Lifelong Learning Institute, Golden Valley, Minnesota. (October 12, 2015). *Invited.*

Douma, F. P. "The Importance of Freight Transportation to Minnesota's Economy," Golden Valley, Minnesota. (October 12, 2015). *Invited.*

Douma, F. P. "Self-Driving Vehicles: Opportunities for Transportation Policy and Planning," Minnesota Congressional Staff, Minneapolis, Minnesota. (October 8, 2015). *Invited.*

Douma, F. P. "Transportation Policy," Goodwill Easter Seals Luncheon series, St. Paul, Minnesota. (April 20, 2015). *Invited.*

Douma, F. P. "Minnesota Innovative Parking Pricing Demonstration," Contemporary Tools and Approaches for Parking Pricing and Management Workshop, Minneapolis, Minnesota. (March 6, 2015). *Invited.*

Douma, F. P. "Is Privacy Still the Boogeyman? The Safeguards Being Considered and Debated," MBUFA Second Annual National Conference, Washington, District of Columbia. (February 24, 2015). *Invited.*

Douma, F. P. "Self-Driving Vehicles: Opportunities for Minnesota Policy and Law," City Engineers Association of Minnesota 2015 Annual Conference, Brooklyn Park, Minnesota. (January 29, 2015). *Invited.*

Douma, F. P., Lari, A. "Self-Driving Vehicles: Current Status and Policy Implications for Minnesota," MnDOT Traffic Topics, Roseville, Minnesota. (November 17, 2014). *Invited.*

Douma, F. P. "The Road to Self-Driving Cars," 2012 RoboBusiness Leadership Summit, Pittsburgh, Pennsylvania. (October 23, 2012). *Invited.*

Douma, F. P. "Identifying Issues Related to Deployment of Automatic Speed Enforcement in Minnesota," Minnesota Work Zone Safety Committee, Arden Hills, Minnesota. (October 15,

2012). *Invited.*

- Douma, F. P.** "ITS Personal Data Needs - How Much Do We Really Need To Know?," Under Watchful Eyes: Technologies that Track symposium Illinois Institute of Technology Chicago-Kent College of Law, Chicago, Illinois. (October 5, 2012). *Invited.*
- Douma, F. P.** "Smart Cars and Smarter People: Is There Room for Both in our Transportation Future?," Grinnell College, Grinnell, Iowa. (April 5, 2012). *Invited.*
- Douma, F. P.** "Emerging Policy and Legal Issues," "Location Data and Privacy Values: Implications for Policy and Planning" Panel 91st Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 25, 2012). *Invited.*
- Douma, F. P., Aue, S.** "'But Officer, it wasn't my fault...the car did it!' and other Criminal Liability Issues Involving Autonomous Vehicles," Santa Clara Law Review Annual Symposium Santa Clara University School of Law, Santa Clara, California. (January 20, 2012). *Invited.*
- Douma, F. P.** "Transit and 'Complete Streets' in Central Minnesota," Collage of Sustainability conference University of Minnesota's Regional Sustainable Development Partnerships, Pine River, Minnesota. (October 13, 2011). *Invited.*
- Douma, F. P.** "Protect Yourself: Addressing Privacy Issues Both Legally and Politically," Planning & Enabling Smart Transportation Summit, Toronto, Ontario, Canada. (December 2010). *Invited.*
- Douma, F. P.** "Itasca County Area Transportation Study," Minnesota Center for Transportation Studies Research Seminar, Minneapolis, Minnesota. (September 2010). *Invited.*
- Douma, F. P.** "The Challenge of ITS for the Law of Privacy in the United States," Computers, Freedom and Privacy Conference, San Jose, California. (June 2010). *Invited.*
- Douma, F. P.** "Itasca County Area Transportation Study," Minnesota Public Transportation Conference, Rochester, Minnesota. (June 2010). *Invited.*
- Douma, F. P., Aue, S.** "The Implications of Current and Emerging Privacy Law for ITS," University of Minnesota Intelligent Transportation Systems (ITS) Institute Board of Directors, Minneapolis, Minnesota. (December 2009). *Invited.*
- Douma, F. P., Deckenbach, J.** "The Implications of Current and Emerging Privacy Law for ITS," University of Minnesota ITS Institute Advanced Transportation Seminar Series, Minneapolis, Minnesota. (September 2009). *Invited.*
- Douma, F. P.** "In-Vehicle Technology: Monitoring Teen Compliance with Graduated Driver Licensing Requirements (Privacy Implications)," American Association of Motor Vehicle Administrators 76th Annual International Conference, San Diego, California. (August 2009). *Invited.*
- Douma, F. P., Poindexter, G., Frooman, S.** "Examining Success of Bus Only Shoulder Lanes," Metro Transit Senior Staff, Minneapolis, Minnesota. (December 16, 2008). *Invited.*
- Douma, F. P.** "Keys in Transit Corridor Planning," Citizen's Forum, Roseville, Minnesota. (March 14, 2008). *Invited.*
- Douma, F. P., Barnes, G.** "Transit for All Ages," Minnesota Gerontological Society Annual Conference, Brooklyn Park, Minnesota. (April 27, 2007). *Invited.*
- Douma, F. P.** "Planning for Multi-Modal Transportation Corridors: Developing a Best Practices Framework," St. Paul Transportation Management Organization Board of Directors, St. Paul, Minnesota. (June 2005). *Invited.*

Douma, F. P. "Community-Based Transit," City of St. Paul Senior Advisory Committee. (July 2004). *Invited*.

Douma, F. P., Lovejoy, A. "Corridor Best Practices," City of St. Paul Planning Commission, St. Paul, Minnesota. (January 2003). *Invited*.

Douma, F. P., Hedblom, M. "Wireless Communication Applications for Transportation: User Boon or Booby Trap?," Telecommunications and Information Society Policy Forum, Minneapolis, Minnesota. (September 2002). *Invited*.

Testimony to Minnesota House Legislators

Douma, F. P. "University of Minnesota Research," Climate Action Caucus Transportation Conversation Minnesota House DFL Climate Action Caucus, St Paul, Minnesota, United States. (October 24, 2019). *Invited*.

URL: <https://www.house.leg.state.mn.us/Caucus/View/DFL/26076>

A summary of University of Minnesota research on reducing transportation's impact on the environment

Webinar

Garry, T., (Presenter), **Douma, F. P., (Presenter)** "ITS Personal Data Needs - How Much Do We Really Need To Know?," ITS America Webinar Series. (February 26, 2013). *Invited*.

Presentations, Posters, and Exhibits

Underline - indicates student presenter

Demonstration

Douma, F. "Demonstration of EZ-10 Autonomous Shuttle," University of Minnesota, MnDOT, First Transit, Minneapolis. (April 30, 2018).

Legislative Testimony

Douma, F. P., (Presenter) "Humphrey School Contributions to Empowering Minnesota Communities Proposal," Minnesota House Sustainable Infrastructure Policy Committee Minnesota House of Representatives, St Paul, Minnesota, United States. (February 2, 2023).

URL:

<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwiZspmI9qT9AhUdBzQIHsy3AUsQwqsBegQICBAE&url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3Ddaq4ed1Y7LPk&usg=AOvVaw1XVCdnApTxkY06shnRw5ET>

Moderator of forum for Minnesota Legislators

Douma, F. P., (Moderator) "Welcoming remarks," Minnesota Supply Chain Forum: Transportation and Consumer Considerations in the Age of COVID-19 University of Minnesota, Minnesota, United States. (January 25, 2022).

Podium

Fonseca Sarmiento, C. A., (Presenter), **Douma, F. P., (Presenter)**, Morris, P., (Presenter) "Improving Project Evaluation Methods to Promote Managed Lane Equity," 2023 CTS Transportation Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 2, 2023). *Peer-reviewed/refereed*.

URL: https://www.cts.umn.edu/events/conference/2023/program#_030%E2%80%93931145-am-%E2%80%A2-concurrent-session-3-improving-project-evaluation-methods-to-promote-managed-lane-equity

Douma, F. P., (Author & Presenter) "Preliminary Insights from Automated Vehicle Deployments

in White Bear Lake and Grand Rapids, MN," 2023 CTS Transportation Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 2, 2023). *Peer-reviewed/refereed*.

URL: https://www.cts.umn.edu/events/conference/2023/program#_15%E2%80%93pm-%E2%80%A2-concurrent-session-9-connected-and-automated-vehicle-research-highlights

Presentation summarizing lessons learned from CAV demonstrations in Grand Rapids and White Bear Lake, Minnesota

Douma, F. P., (Author & Presenter), Sheikh, M. I., (Author) "Maximizing Transportation Assets by Building Community Connection Through Innovative Development of Rights of Way and Airspace," 2022 CTS Transportation Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 3, 2022).

URL: https://www.cts.umn.edu/sites/cts.umn.edu/files/2022-10/2022cts_conference_finalprogram.pdf

Sheikh, M. I., (Author & Presenter), Douma, F. P., (Author), Lari, A., (Author) "Telecommuting, Travel Behavior, and Equity," 2022 CTS Transportation Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 3, 2022).

URL: https://www.cts.umn.edu/sites/cts.umn.edu/files/2022-10/2022cts_conference_finalprogram.pdf

Moorthy, K. N., (Author & Presenter), Sheikh, M. I., (Author & Presenter), Douma, F. P., (Author), Lari, A., (Author) "Telecommuting, Congestion and Equity in the Twin Cities Metro Region," 2022 Mid-Continent Transportation Research Symposium Iowa State University Institute for Transportation, Ames, Iowa, United States. (September 14, 2022).

URL: https://intrans.iastate.edu/app/uploads/2022/09/2022_Midcon_1-Mobility-Sheikh_IowaPresentation_Maya_Kribashini_final.pdf

Buckeye, K., (Moderator), Warren, M., (Author & Presenter), Berrens, C., (Presenter), Sarmiento, C. F., (Author), **Douma, F. P., (Author & Presenter)** "Exploring Road User Charging to Fund Highways," Minnesota's Transportation Conference & Expo 2022 American Council of Engineering Companies of Minnesota, Minnesota Transportation Alliance and Minnesota Department of Transportation, St Paul, Minnesota, United States. (May 18, 2022). *Peer-reviewed/refereed*.

Douma, F. P., (Moderator), Kohne, N., (Presenter), Rubin, B., (Presenter) "Data Privacy Review: What Do We Know (and Who Else Can Know It?)," 60th Annual Workshop on Transportation Law Transportation Research Board. (September 14, 2021).

Douma, F. P., (Author), Napoline, K., (Author & Presenter), Lari, A., (Author) "Potential Implications of Connected and Automated Vehicles in Transportation-Disadvantaged Areas," Annual CTS Transportation Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 5, 2020).

URL: https://www.cts.umn.edu/sites/cts.umn.edu/files/2020-10/2020ResConf_finalprogram.pdf

Douma, F. P., (Author & Presenter), Wu, X., (Author), Cao, J., (Author) "Impacts of Vehicle Automation on Transport-Disadvantaged People," Annual CTS Transportation Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 5, 2020).

URL: https://www.cts.umn.edu/sites/cts.umn.edu/files/2020-10/2020ResConf_finalprogram.pdf

Douma, F. P., (Presenter) "Collecting and Handling Customer Data: Potential Issues and Proposed Best Practices," TRB 99th Annual Meeting Transportation Research Board, Washington, District

of Columbia, United States. (January 10, 2020).

Discussion of legal and policy issues related to collection and retention of identifying information in transportation

Douma, F. P., (Author & Presenter), Petersen, E., (Author) "Scenarios and Justification for Automated Vehicle Demonstration in Nonurban Minnesota," 2019 Annual CTS Transportation Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 7, 2019).
URL: https://cts.prd.umn.edu/sites/cts.umn.edu/files/2020-07/3_douma.pdf

Peterson, C., (Author & Presenter), Douma, F. P., (Author), Morris, N., (Author) "Addressing Key Concerns Regarding Automated Speed Enforcement via Interactive Survey," Annual Meeting Transportation Research Board, Washington, District of Columbia, United States. (January 11, 2017). *Peer-reviewed/refereed.*

Poster

Emory, K., (Author & Presenter), Douma, F. P., (Author & Presenter), Cao, J., (Author & Presenter) "Autonomous Vehicle Polices with Equity Implications: Patterns and Gaps," 2022 TRB Annual Meeting NASCM Transportation Research Board, Washington, District of Columbia, United States. (January 10, 2022). *Peer-reviewed/refereed.*

Emory, K., (Author & Presenter), Cao, J., (Author & Presenter), Douma, F. P., (Author & Presenter) "Autonomous vehicle policies with equity implications: Patterns and gaps," Conference on Advancing Transportation Equity Transportation Research Board. (September 10, 2021). *Peer-reviewed/refereed.*

Douma, F. P., (Presenter), Wu, X., (Author & Presenter), Cao, J., (Presenter) "The Impacts of Vehicle automation on Transport-Disadvantaged People," 2020 TRB Annual Meeting Transportation Research Board, Washington, District of Columbia, United States. (January 26, 2021). *Peer-reviewed/refereed.*

Munnich, L., **Douma, F. P., et. al.** "Evaluating Effectiveness of States' Toward-Zero-Deaths Programs," 92nd Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 14, 2013).

Lari, A., **Douma, F. P., Lang Yang, K., Caskey, K., Cureton, C.** "Innovative Parking Pricing Demonstration: Introducing Flexibility and Incentives to Parking Contracts," 91st Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 23, 2012).

Lari, A., **Douma, F. P., Lang Yang, K., Caskey, K.** "Parking Pricing," 90th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 25, 2011).

Douma, F. P., Cleaveland, F. "Impact of Bicycling Facilities on Commute Mode Share," 88th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2009).

Douma, F. P., Frooman, S., Deckenbach, J. "What You Need to Know and Not Know: Current and Engaging Privacy Law for Intelligent Transportation Systems," 87th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2008).

Douma, F. P., Peterson, S., Zmud, J. "Before and After Results of I-394 HOT Lane Panel Survey," 86th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2007).

- Douma, F. P., Andrew, J.** "Developing a Model for Carsharing in Twin Cities Neighborhoods," 85th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2006).
- Douma, F. P., Patterson, T.** "Pricing Comes to Minnesota: Baseline Attitudinal Evaluation of I-394 HOT Lane Project," 85th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2006).
- Douma, F. P., Wilson, S.** "Transportation Needs of Foreign-born Ethnic Subpopulations in Rural and Urban Communities: an Environmental Justice Perspective," 85th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2006).
- Douma, F. P.** "Guidestar 2001 Survey and Diary," 83rd Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2004).
- Douma, F. P., Kriz, K.** "Planning for Multi-Modal Transportation Corridors: Developing a Best Practices Framework," 83rd Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2004).

Presentation/Talk

- Douma, F. P., (Moderator), Song, Y., (Author & Presenter), Ryan, A., (Author & Presenter), Lindsey, G. H., (Author), Kocak, J., (Presenter)** "Gender and Experiences of Personal Safety in Transportation," 64th Transportation Research Forum Transportation Research Forum, Chicago, Illinois, United States. (April 27, 2023).
URL: <https://las.depaul.edu/centers-and-institutes/chaddick-institute-for-metropolitan-development/news-and-events/Pages/trf.aspx>
Panel discussion of notable research findings about gender-issues related to the design and performance of transportation systems. Each panelist briefly presented research on different aspects of the topic before Q&A and discussion
- Buckeye, K., (Moderator), Warren, M., (Author & Presenter), Sarmiento, C. F., (Author & Presenter), **Douma, F. P., (Author & Presenter)**, Berrens, C., (Presenter) "Demonstrating Distance-Based Fees Through a Shared Mobility Model," Transportation Research Conference University of Minnesota Center for Transportation Studies, Minneapolis, Minnesota, United States. (November 4, 2021).
This session will focus on Minnesota's Distance-Based Fee Demonstration and its major findings and conclusions.
Presenters will share MnDOT's perspective on the project, technical demonstration findings, and a social, economic and policy analysis. A panel discussion will focus on future directions and policy implications for Minnesota around distance-based fees.
- Douma, F. P.** "Findings from Research," Parking and Mode Shift in Minneapolis MnDOT, Minneapolis, Minnesota. (August 6, 2018).
URL: <http://www.cts.umn.edu/publications/catalyst/2018/september/abc>
- Douma, F. P.,** Lari, A. "Policy Implications of Self-Driving Vehicles," West Central Initiative Fund Economic Development Committee, Fergus Falls, Minnesota. (July 9, 2018).
Describe the audience: West Central Initiative Fund Economic Development Committee
- Douma, F. P.,** Lari, A. "Policy Implications for Self-Driving Vehicles," Region 9 Development Commission, Mankato, Minnesota. (April 11, 2018).
- Douma, F. P.** "The US Starts the MBUF Engine," MBUFA Annual Conference, Washington, District of Columbia. (March 16, 2017).
- Douma, F. P.** "Self-Driving Vehicles: Opportunities for Equality in Access," 9th University

- Transportation Center (UTC) Spotlight Conference: Connected and Automated Vehicles, Washington, District of Columbia. (November 4, 2015).
- Douma, F. P.** "Self-Driving Vehicles: Opportunities for Minnesota Policy and Law," Minnesota's Transportation Conference, Bloomington, Minnesota. (March 2015).
- Douma, F. P.** "Self-Driving Vehicles: Opportunities and Challenges for Minnesota," ITS Minnesota Fall Forum, St. Paul, Minnesota. (October 21, 2014).
- Fan, Y., Chen, Q., Liao, C.-F., **Douma, F. P.** "UbiActive: Smartphone-Based Tool for Trip Detection and Travel-Related Physical Activity Assessment," 92nd Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 15, 2013).
- Douma, F. P.** "Identifying Issues Related to Deployment of Automated Speed Enforcement," Minnesota Towards Zero Deaths Conference, Bloomington, Minnesota. (October 22, 2012).
- Douma, F. P.** "Minnesota's Primary Seat Belt Saves Lives and Money," Minnesota Towards Zero Deaths Conference, Bloomington, Minnesota. (October 22, 2012).
- Douma, F. P.,** Zimmer, C. "Complete Streets through Community Partnerships: The Grand Rapids Experience," Minnesota Department of Transportation Non-motorized Transportation Research Group, Roseville, Minnesota. (June 6, 2012).
- Douma, F. P.,** Loveland, J., Thorpe, D. "Identifying Issues Related to Deployment of Automated Speed Enforcement," University of Minnesota Center for Transportation Studies Annual Transportation Research Conference, St. Paul, Minnesota. (May 24, 2012).
- Douma, F. P.** "ITS Data Needs: How Much Do We Really Need to Know?," University of Minnesota Center for Transportation Studies Annual Transportation Research Conference, St. Paul, Minnesota. (May 23, 2012).
- Horan, T., **Douma, F. P.,** Munnich, L. "SafeRoadMaps and CrashHelp," Minnesota Towards Zero Deaths Quarterly Breakfast. (January 11, 2012).
- Munnich, L., Horan, T., **Douma, F. P.** "Center for Excellence in Rural Safety," Minnesota Tribes and Transportation Conference, Prairie Island Reservation. (October 25, 2011).
- Lari, A., **Douma, F. P.,** Lang Yang, K. "eWorkPlace: Earth Friendly, Work-Life Friendly, Smart Business Strategy," Annual Conference of the Minnesota chapter of the American Planning Association, St. Cloud, Minnesota. (September 30, 2011).
- Douma, F. P.** "ITS Data Needs: How Much Do We Really Need to Know?," University of Minnesota TechPlan Roundtable, Minneapolis, Minnesota. (August 19, 2011).
- Lari, A., **Douma, F. P.,** Lang Yang, K., Caskey, K. "Parking Pricing," University of Minnesota Center for Transportation Studies Annual Transportation Research Conference, St. Paul, Minnesota. (May 25, 2011).
- Cao, X., Xu, Z., **Douma, F. P.** "Substitution between E-shopping and Travel: Evidence from the Twin Cities," 90th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 26, 2011).
- Douma, F. P.,** Cureton, C., Schmit, M., Fan, Y. "Itasca County Area Transportation Study," University of Minnesota Center for Transportation Studies Annual Transportation Research Conference, St. Paul, Minnesota. (April 2010).
- Aue, S., **Douma, F. P.** "ITS and Privacy: Suggestions for Peaceful Coexistence," University of Minnesota Center for Transportation Studies Annual Transportation Research Conference, St.

- Paul, Minnesota. (April 2010).
- Douma, F. P., Deckenbach, J.** "The Implications of Current and Emerging Privacy Law for ITS," ITS Minnesota 16th Annual Meeting & Information Exchange, St. Paul, Minnesota. (March 2010).
- Cao, X., **Douma, F. P.** "Substitution between E-shopping and Travel: Evidence from the Twin Cities," 89th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2010).
- Cao, X., **Douma, F. P., Cleaveland, F.** "Substitution between E-shopping and Travel: Evidence from the Twin Cities," University of Minnesota Center for Transportation Studies Annual Research Conference, Bloomington, Minnesota. (May 2009).
- Douma, F. P., Gaug, R.** "Carsharing in the Twin Cities: Measuring Impacts on Travel Behavior and Automobile Ownership," 88th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2009).
- Douma, F. P., Cleaveland, F.** "Impact of Bicycling Facilities on Commute Mode Share," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (May 2008).
- Deckenbach, J., Douma, F. P. "ITS and Privacy: Developing New Rules for Virtual Roads," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (May 2008).
- Douma, F. P., Gaug, R.** "Carsharing in the Twin Cities: Measuring Impacts on Travel Behavior and Automobile Ownership," University of Minnesota for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (May 2008).
- Douma, F. P., Poindexter, G., Frooman, S.** "Bus Only Shoulder in the Twin Cities," 87th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2008).
- Douma, F. P., Rohde, B.** "Center for Excellence in Rural Safety," West Central Minnesota Transportation Advisory Committee, Fergus Falls, Minnesota. (July 2007).
- Stein, B., Frooman, S., Douma, F. P. "Twin Cities Bus-Only Shoulder Lanes - Are They Working?," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (May 2007).
- Douma, F. P., Raju, R.** "Urban Transportation Corridor Development Case Studies: Midtown Greenway and Bottineau Boulevard," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (May 2007).
- Zmud, J., Bradley, M., **Douma, F. P.** "Panel Survey Evaluation of Attitudes and Willingness to Pay for Tolled Facilities," 86th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2007).
- Douma, F. P., Horan, T., Munnich, L.** "Emergency Medical Services in Rural Areas," Minnesota Tribes and Transportation Conference Leech Lake Reservation. (October 2006).
- Anderson, J., **Douma, F. P.** "Telework as a Return to Work Strategy: Challenging Barriers and Unprecedented Opportunities," International Telework Academy's 11th International Workshop on Telework, Fredericton, New Brunswick, Canada. (August 2006).
- Peterson, S., Douma, F. P. "Before and After Results of I-394 HOT Lane Panel Survey," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul,

- Minnesota. (May 2006).
- Schively, C., Blackstad, L., **Douma, F. P.**, Garner, M. "Planning for Multi-Modal Transportation Corridors: Developing a Best Practices Framework," American Planning Association National Conference, San Antonio, Texas. (April 2006).
- Douma, F. P.** "Planning for Multi-Modal Transportation Corridors: Developing a Best Practices Framework," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (May 2005).
- Patterson, T., **Douma, F. P.** "Pricing Comes to Minnesota: Baseline Attitudinal Evaluation of I-394 HOT Lane Project," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (May 2005).
- Wilson, S., **Douma, F. P.** "Transportation Needs of Foreign-born Ethnic Subpopulations in Rural and Urban Communities: an Environmental Justice Perspective," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (May 2005).
- Douma, F. P.**, Wilson, S. "Transportation Needs of Foreign-born Ethnic Subpopulations in Rural and Urban Communities: an Environmental Justice Perspective," Annual Meeting of the Intelligent Transportation Society of America, Long Beach, California. (April 2005).
- Andrew, J., **Douma, F. P.** "Developing a Model for Carsharing in Twin Cities Neighborhoods," University of Minnesota Center for Transportation Studies Planning and Environment Council, Minneapolis, Minnesota. (February 2005).
- Douma, F. P.** "Intelligent Transportation Systems and Other Technological Assistance Used in Minnesota Community-Based Transportation," 84th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2005).
- Douma, F. P.** "Using ITS to Better Serve Diverse Populations," Annual Research Conference University of Minnesota Center for Transportation Studies, St. Paul, Minnesota. (May 2004).
- Douma, F. P.**, Hedblom, M. "ITS Opportunities Resulting from Developments in Home Broadband Telecommunications," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (May 2004).
- Douma, F. P.**, Hedblom, M. "ITS Opportunities Resulting from Developments in Home Broadband Telecommunications," Annual Meeting of the Intelligent Transportation Society of America, San Antonio, Texas. (April 2004).
- Douma, F. P.** "Community-Based Transit," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (April 2003).
- Douma, F. P.** "Corridor Best Practices," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (April 2003).
- Douma, F. P.** "Guidestar 2001 Survey and Diary Presentation," University of Minnesota Center for Transportation Studies Annual Research Conference, St. Paul, Minnesota. (April 2003).
- Wells, K., **Douma, F. P.**, Pidaparathi, P. "How Was Your Trip? Exploring the Relationship Between Telecommunications and Travel Through Time Use Diary," 81st Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2002).
- Kuhn, E., **Douma, F. P.** "Utilizing Transportation Technology to Support Strategic Management Initiatives," 81st Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2002).

Douma, F. P., Kuhn, E., Chen, W. "Sustainable Transportation," Sustainable Development forum, New Ulm, Minnesota. (August 2001).

Munnich, L., Pansing, C., **Douma, F. P.** "Sustainable Transportation," Minnesota Department of Transportation Office of Environmental Services, St. Paul, Minnesota. (June 2001).

Munnich, L., Pansing, C., **Douma, F. P.** "Sustainable Transportation," Minnesota Department of Transportation Executive Team, St. Paul, Minnesota. (March 2001).

Wells, K., **Douma, F. P., Loimer, H., Olson, L.,** Pansing, C. "Telecommuting Implications for Travel Behavior: Case Studies from Minnesota," 80th Annual Meeting of the Transportation Research Board, Washington, District of Columbia. (January 2001).

Stakeholder Roundtable

Douma, F. P. "Roundtable on Autonomous Vehicles," Blandin Foundation, Grand Rapids, Minnesota. (November 13, 2017).

Symposium

Douma, F. P., (Author & Presenter), Sheikh, M. I., (Author) "Draft Best Practices and Lessons Learned," Maximizing Transportation Assets by Building Community University of Minnesota and Minnesota Department of Transportation, Minneapolis, Minnesota, United States. (August 15, 2022).

Video

Douma, F. P. "Telework and e-learning," Minnesota GO Strategic Planning effort. (April 2011).

Media Contributions

"People With Disabilities Hope Autonomous Vehicles Deliver Independence," Kaiser Health News December 12, 2023
<https://kffhealthnews.org/news/article/autonomous-vehicles-rural-disabilities-mobility-minnesota/>

Discussing the impacts of the goMARTI transportation project in Grand Rapids, MN

"Self-driving car project flourishes on Iron Range," Minneapolis Star Tribune June 30, 2023
<https://www.startribune.com/self-driving-car-iron-range-grand-rapids/600286553/>

Discussing the impacts of the goMARTI transportation project in Grand Rapids, MN

"Public Policy This Week," KYMN Radio March 24, 2023
<https://kymnradio.net/2023/03/24/public-policy-this-week-connected-autonomous-vehicles-from-the-university-of-minnesota-center-for-transportation-studies-3-24-23/>

1 hour radio show where the hosts talk with Gina Baas, Brian Davis and Frank Douma about their work in developing Connected Autonomous Vehicles, or self-driving cars, and the infrastructure and policy adaptations that will be necessary to bring CAVs online.

"St. Paul mayor's plan to raise sales tax by 1% is no slam dunk," Minneapolis Star Tribune December 28, 2022
<https://www.startribune.com/st-paul-mayors-sale-tax-pitch-no-slam-dunk/600239229/>

- "University looks to self-driving shuttles to transport students,"
National Public Radio - Marketplace
<https://www.marketplace.org/2022/12/27/university-looks-to-self-driving-shuttles-to-transport-students/>
December 27, 2022
- "What Is Evie Carshare and Is It a Good Option for the Twin Cities?," Streets.mn
<https://streets.mn/2022/12/05/what-is-evie-carshare/>
December 5, 2022
- "A Volunteer Driver Drought Is Threatening Vulnerable Adults' Access to Care in Rural Communities," US News & World Report
<https://www.usnews.com/news/health-news/articles/2022-10-24/volunteer-shortage-complicates-access-to-care-in-rural-america>
October 24, 2022
This story was originally written for Kaiser Health News (<https://khn.org/news/article/drivers-in-decline-a-shortage-of-volunteers-complicates-access-to-care-in-rural-america/>) and has re-appeared in many venues
- "Minnesota industries brace for impact as rail worker strike looms," KMSP
<https://www.fox9.com/news/rail-strike-metro-transit-northstar-amtrak-trains-twin-cities>
September 14, 2022
- "MnDOT's driverless shuttle in White Bear Lake is first of its kind in the metro area," Minneapolis Star Tribune
<https://www.startribune.com/mndots-driverless-shuttle-pilot-program-in-white-bear-lake-is-first-of-its-kind-in-the-metro-area/600196114/>
August 5, 2022
- "Driverless transit shuttle debuts in White Bear Lake," St Paul Pioneer Press
<https://www.twincities.com/2022/08/05/driver-less-transit-shuttle-debuts-in-white-bear-lake/>
August 5, 2022
- "Driverless shuttle survives its first Minnesota winter," Minneapolis Star Tribune
<https://www.startribune.com/driverless-shuttle-survives-its-first-minnesota-winter/600173342/>
May 14, 2022
- "'It's a start at trying to bridge the gap': What the newly approved infrastructure bill could mean to Minnesota," KSTP
<https://kstp.com/kstp-news/top-news/its-a-start-at-trying-to-bridge-the-gap-what-the-newly-approved-infrastructure-bill-could-mean-to-minnesota/>
November 8, 2021
- "Get ready, drivers: Lime relauches in San Diego with 2,000 new scooters," San Diego Union-Tribune
<https://www.sandiegouniontribune.com/business/story/2021-09-27/get-ready-drivers-lime-relauches-in-san-diego-with-2-000-new-scooters>
September 27, 2021
- "Students earning financial aid eligible for \$5 bike memberships," Minnesota Daily
<https://mndaily.com/268894/news/students-earning-financial-aid-eligible-for-5-bike-memberships/>
September 23, 2021

- "Automated Shuttle to Drive Itself Around Rochester,"
Minneapolis Star Tribune <https://www.startribune.com/driverless-shuttle-to-get-tested-on-rochester-route/600081699/> July 26, 2021
- "Gas tax may get new look in Minnesota," KARE 11
<https://www.kare11.com/article/news/local/mileage-tax-may-get-new-look-in-minnesota/89-1ba7f406-c4ee-4141-9201-678ef4290c56> April 17, 2019
- "New route being considered for driverless bus," White Bear Press
https://www.presspubs.com/white_bear/news/new-route-being-considered-for-driverless-bus/article_d4da57d0-4a9d-11e9-be87-d7caf771cdba.html March 20, 2019
- "The Week in Tech: Facebook's Privacy Pivot (Business Model Not Included)," New York Times
<https://www.nytimes.com/2019/03/08/technology/facebook-privacy-pivot.html> March 8, 2019
Brief commentary on my remarks in an article from March 5, 2019
- "Prosecutors Don't Plan to Charge Uber in Self-Driving Car's Fatal Accident," New York Times
<https://www.nytimes.com/2019/03/05/technology/uber-self-driving-car-arizona.html> March 5, 2019
- "https://www.google.com/url?rct=j&sa=t&url=https://kstp.com/news/university-minnesota-researchers-studying-self-driving-cars/5247155/%3Fcat%3D1&ct=ga&cd=CAEYACoUMTY0ODgxNjM4Njk3NTA4MTk3NjcyGmNhYTIzZWE0NGE3N2U1MWY6Y29tOmVuOIVT&usg=AFQjCNHhyJ-Uv_a8EkRPn1w5v9KosM-VRA," KSTP February 15, 2019
- "Need groceries? Driverless bus may supply ride," White Bear Press
https://www.presspubs.com/white_bear/news/need-groceries-driverless-bus-may-supply-ride/article_95561124-2a42-11e9-b13f-6bac795ce143.html February 6, 2019
- "Self-driving cars? They're closer than you think," KMSU
<https://www.ruralmn.org/self-driving-cars-theyre-closer-than-you-think/> December 7, 2018
Opportunities for self-driving vehicles in greater MN
- "Hourcar embraces car-sharing's electric future in the Twin Cities," Minneapolis Star-Tribune
<http://www.startribune.com/hourcar-embraces-car-sharing-s-electric-future-in-the-twin-cities/498253211/> October 23, 2018
Discussion of car-sharing opportunities in the Twin Cities
- "Car pooling? That's so '70s," Minnesota Public Radio
https://blogs.mprnews.org/newscut/2018/08/car-pooling-thats-so-70s/#disqus_thread August 9, 2018

Reaction to News reporting on Parking Symposium

- "Study: Changes to downtown Minneapolis ramps could help combat congestion," Minneapolis Star-Tribune August 8, 2018
<http://www.startribune.com/study-changes-to-downtown-minneapolis-ramps-could-help-combat-congestion/490369561/>
Summary of Parking Symposium
- "Robo taxis in downtown White Bear? Not here, not yet," White Bear Press August 8, 2018
http://www.presspubs.com/white_bear/news/article_554d41ca-9b21-11e8-b0f5-575ef694cfa1.html
- "Researchers look at future of downtown Minneapolis parking ramps," KSTP-5 News August 6, 2018
<https://kstp.com/traffic/researchers-look-at-future-of-downtown-minneapolis-parking-ramps-/5019941/>
Summary of Parking Symposium and Research
- "Wisconsin frac sand producers seek relief from rail costs, service issues," LaCrosse Tribune July 30, 2018
https://lacrossetribune.com/news/local/wisconsin-frac-sand-producers-seek-relief-from-rail-costs-service/article_5bc464e-2dd9-5ecf-9824-09cc24b1c7e7.html
- "John Hines Show," WCCO July 18, 2018
<https://omny.fm/shows/john-hines/playlists/podcast/embed?style=artwork&share=1&selectedClip=e616b013-9d82-43e6-be29-a921010e463d>
Radio interview on impact of scooters and other shared mobility on transit, parking and related issues
- "Self-driving bus travels over the Washington Avenue Bridge," Minnesota Daily May 1, 2018
<http://www.mndaily.com/article/2018/05/n-self-driving-bus-travels-over-the-washington-avenue-bridge>
- "How will driverless cars change our cities?," Minnesota Public Radio March 20, 2018
<https://www.mprnews.org/story/2018/03/20/driverless-cars-change-our-lives>
- "MnDOT tests Driverless Shuttle Bus," Minneapolis Star Tribune December 13, 2017
<http://www.startribune.com/mndot-tests-driverless-shuttle-bus/463742663/>
- "Minnesota small towns envision a driverless future," Minnesota Public Radio November 27, 2017
<https://www.mprnews.org/story/2017/11/27/minnesota-small-towns-envision-a-driverless-future->
- "With self-driving cars nearly a reality, Congress wonders how to regulate them," MinnPost October 31, 2017
<https://www.minnpost.com/politics-policy/2017/10/self-driving-cars-nearly-reality-congress-wonders-how-regulate-them>

- "Polaris going after autonomous driving contract for Army,"
Minneapolis Star Tribune <http://www.startribune.com/polaris-going-after-autonomous-driving-contract-for-army/449287313/> October 6, 2017
- "Polaris' electric GEM vehicles go driverless in Detroit,"
Minneapolis Star Tribune <http://www.startribune.com/polaris-electric-gem-vehicles-go-driverless-in-detroit/444807623/> September 17, 2017
- "Driverless future gets put to the test at St. Louis Park event,"
Minneapolis Star Tribune <http://www.startribune.com/event-considers-a-driverless-future/443480353/> September 9, 2017
- "It's not your imagination — parking is disappearing in Minneapolis,"
Minneapolis Star Tribune <http://www.startribune.com/it-s-not-your-imagination-parking-is-disappearing-in-minneapolis/442556673/> September 2, 2017
- "Minnesota planners begin to envision driverless future,"
Minneapolis Star Tribune <http://www.startribune.com/minnesota-planners-envision-driverless-future/437404083/> July 31, 2017
- "Good Question: How Do Driverless Cars Work?," WCCO-TV
<http://minnesota.cbslocal.com/2017/07/18/good-question-driverless-cars/> July 18, 2017
- "Could these be solutions to Twin Cities traffic problems?," St Paul Pioneer Press <https://www.twincities.com/2017/06/16/five-possible-solutions-to-twin-cities-congestion/> June 16, 2017
- "Car2Go and gone: Legislation aims to lure more car-sharing services to TC,"
Minneapolis Star Tribune <http://www.startribune.com/car2go-and-gone-legislation-aims-to-lure-more-car-sharing-services-to-tc/413444813/> February 11, 2017

TEACHING

Scheduled Teaching

Contemporary Public Policy: PA 3001: Spring 2020

Urban & Regional Planning: PA 4200: Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022

Urban and Regional Planning: PA 4200: Fall 2012

An introductory class that gives an overview of planning theory and practice, with primary attention to current issues in planning practice in the United States. The content covers land use, urban design, transportation, community development, housing, and environmental planning problems within the broader context of the historic development of cities, political processes, and regional and national economic forces.

Trans Pol/Planning/Deployment: PA 5232: Fall 2021, Fall 2022

Environmental Study Design: PA 5742: Fall 2017

Urban Infrastructure Systems: PA 5751: Spring 2017, Spring 2018

Instructional Activity

University of Minnesota

Review of Honors Thesis, Capital Improvement Planning in Minnetrista, Brooklyn Center, and Maple Grove: A Case Study for Capital Improvement Planning in Hennepin County, Minnesota, University of Minnesota Department of Civil, Environmental, and Geo-Engineering, Reader, 1 participant November 16, 2022 - April 24, 2023

PA 5234 Guest Lecture, Shared Mobility, Guest Lecturer, 24 participants March 23, 2023

PA 5234 Guest Lecture, Connected and Automated Vehicle (CAV) Implications, Guest lecturer April 14, 2021

Guest lecture to PA 5721, Connected and Automated Vehicles (CAV's) and Changing Mobility, Guest lecturer March 8, 2021

PA 5234 Guest Lecture, Connected and Automated Vehicle (CAV) Implications, Guest Lecturer April 8, 2020

Guest lecture for PA 5209, Equity in Transportation: Health and Gender Considered, Guest lecturer with HHH Alumna Ania McDonnell March 23, 2020

Guest Lecture, Transportation Sharing: Market-Based Policy Change, OLPD, 35 participants November 26, 2019

Guest Lecture, Transportation Sharing: Market-Based Policy Change, 60 participants April 2019

Guest Lecture, Policy Implications for Connected and Automated Vehicles, Humphrey School, Guest Lecturer on telework to PA 8202, 20 participants April 17, 2019

OLPD 2811: Guest Lecture, Transportation Sharing: Market-Based Policy Change, Lecturer November 29, 2018

PA 5211: Guest Lecture, Self-Driving Vehicles: Equity and Legal Implications, Lecturer September 13, 2018

PA 8202: Guest Lecture, Self Driving Vehicle Implications, Lecturer April 30, 2018

Grinnell College

Guest Lecture, Policy Implications of Self-Driving Vehicles, Grinnell College, Lecturer, 35 participants April 24, 2018

Guest Lecture, Policy Implications of Self-Driving Vehicles, Grinnell College, Lecturer, 20 participants October 6, 2017

Minnesota Department of Transportation

Training for MnDOT employees, Transportation Equity Training, Minnesota Department of Transportation, Moderator, scheduler, member of the planning team, 60 participants	January 25, 2023 - January 26, 2023
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Other

Guest Lecture, EWorkplace and Telework, Lecturer	April 12, 2017
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ADVISING AND MENTORING

Graduate Student Activities

Advisees

Katherine Lowisz, Urban/Regional Planning MURP	2023 - Present
Danielle Sindelar, Urban/Regional Planning MURP	2023 - Present
Audrey Clark, Urban/Regional Planning MURP	2023 - Present
Mallory Prangle, Urban/Regional Planning MURP	2022 - Present
Yuping Wu, Urban/Regional Planning MURP	2022 - Present
Abubakar Makinde, Urban/Regional Planning MURP	2023
Biraj Shrestha, Urban/Regional Planning MURP	2023
Rachel Benson, Urban/Regional Planning MURP	2021 - 2023
Kaitlyn Denten, Urban/Regional Planning MURP	2021 - 2023
Isak Johnson, Urban/Regional Planning MURP	2021 - 2023
Joseph Lehman, Urban/Regional Planning MURP	2021 - 2023
Jacob Berger, Urban/Regional Planning MURP	2020 - 2022
Robert King, Urban/Regional Planning MURP	2020 - 2022
Hana Randle, Urban/Regional Planning MURP	2020 - 2022
Timothy Shebesta, Urban/Regional Planning MURP	2020 - 2022
Noelle Stadler, Urban/Regional Planning MURP	2021
Kyle Malone, Urban/Regional Planning MURP	2019 - 2021
Meredith Benesh, Urban/Regional Planning MURP	2019 - 2021

Sarah Paulus, Urban/Regional Planning MURP	2019 - 2021
Shannon Engstrom, Urban/Regional Planning MURP	2018 - 2020
Galen Ryan, Urban/Regional Planning MURP	2018 - 2020
Jerica Gomez, Urban/Regional Planning MURP	2019 - 2020
Yuxuan Guo, Urban/Regional Planning MURP	2017 - 2019
Max Pattsner, Urban/Regional Planning MURP	2017 - 2019
Jonathan Reisetter, Urban/Regional Planning MURP	2017 - 2019
Jessica Wyatt, Urban/Regional Planning MURP	2016 - 2018
Frank Alarcon, Urban/Regional Planning MURP	2016 - 2018
Gretchen Buechler, Urban/Regional Planning MURP	2016 - 2018
Ashley Hartle, Urban/Regional Planning MURP	2016 - 2018

Committee Advising

Doctoral Final Committee: Committee Reviewer

Peter Nixon, Bpro/Bsys Sci Eng Mgmt Ph D	2021
Thesis: Quantifying Agrifood Production and Consumption at the U.S. Metropolitan and County Level to Inform Urban Food System Interventions	

Doctoral Preliminary Committee: Committee Member

Peter Nixon, Bpro/Bsys Sci Eng Mgmt Ph D	2017 - 2021
Thesis: Quantifying Agrifood Production and Consumption at the U.S. Metropolitan and County Level to Inform Urban Food System Interventions	

Master's Thesis/Research Committee: Committee Member

Zheyang Yuan, Architecture M S	2019 - 2020
Bailey Hanson, Architecture M S	2017

MENTORING/CAREER ADVISING

Tessa Ens, Through WTS Minnesota	November 2022 - August 2023
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SERVICE

Service to the Discipline/Profession/Interdisciplinary Area(s)

Co-chair

Transportation Data Privacy Task Force, Appointed,	2016 - March 2023
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approximately 25 hours spent per year

Member

Emerging Technology Law Committee, Transportation Research Board August 2007 - 2019

Effects of Information and Communication Technologies on Travel Choices Committee, Transportation Research Board January 2001 - January 2012

Officer

Transportation Research Forum, Appointed, Minneapolis, Minnesota, United States, approximately 10 hours spent per year January 2018 - Present
Serve as lead for Twin Cities chapter

Reviewer

Transportation Research Part D: Transport and Environment 2015 - Present

Transportation Research Part A: Policy and Practice 2012 - Present

Transportation Research Record 2003 - Present

Journal of Transportation Law, Logistics and Policy 2009 - 2019

Journal of Transportation and Land Use 2010 - 2015

Service to the University/College/Department

University of Minnesota

Chair, Awards and Honors Committee October 2023 - August 2026

Member, Equity and Inclusion Council August 2022 - May 2023

Chair, Awards and Honors Committee September 2017 - May 2019

Member, Climate Action Plan April 2023 - September 2023

Served as topic expert on increasing telecommuting
Member, SCFA Retirement Subcommittee September 2013 - May 2018

Member, Committee on Committees September 2007 - June 2013

Member, Professional and Administrative Senate September 2000 - June 2012

Member, Humphrey School of Public Affairs Dean Search Committee November 2010 - July 2011

Member, University of Minnesota Senate September 2004 - June 2011

Public and External Service

Co-Chair, Data and Connectivity Committee, Minnesota Connected and Automated Vehicle Alliance, Minnesota July 2020 - June 2023

Liaison, Planning, Land Use and Revenue Sub-Committee, Minnesota Governor's Connected and Automated Vehicle Advisory Council	August 2018 - December 2018
Member, Metro Mobility Task Force, St Paul	August 2017 - February 2018
Session Member, Macalester-Plymouth United Church	January 2011 - June 2017
Board Member, Neighborhood Energy Connection	October 2005 - October 2011
Judge, Minnesota Environmental Initiative Awards	2004
Member, Board of Deacons, Westminster Presbyterian Church	1998 - 2001