

# Milad Delavary | Research Scientist

The logo for the Traffic Injury Research Foundation (TIRF) is an orange diamond shape with the letters "TIRF" in white, bold, sans-serif font inside.

## Professional memberships

Member of the  
Québec Road Safety  
Research Network

Member of the  
Canadian Association  
of Road Safety  
Professionals  
(CARSP/ACPSP)

Member of the  
editorial board of the  
Journal of Safety  
Research (JSR)

The Traffic Injury Research Foundation (TIRF) mission is to be the knowledge source for safe road users and a world leader in research, program and policy development, evaluation, and knowledge transfer. TIRF is a registered charity and depends on grants, awards, and donations to provide services for the public.

Visit [www.tirf.ca](http://www.tirf.ca)

Milad Delavary has been a research scientist with the Traffic Injury Research Foundation (TIRF) since December 2021. He is a statistician and road safety engineer. His doctoral thesis topic was about analyzing paramedics' road collision datasets in the province of Québec, Canada. His master's thesis was on the application of time series models to evaluate the impact of law enforcement on gender-specific incidence rates of road traffic injuries and mortalities in Iran. Milad's research interests are road safety, first responders, public health, epidemiology, time series analysis, road safety policies, analysis of traffic interventions, change point detections, and space-time modeling.

## Career and research highlights:

Since graduating from the master's program, Milad served as a traffic engineer consultant for several municipalities in Iran. In this role, he worked on traffic and geometric design of roads for municipalities in Iran.

Milad is trilingual (professional proficiency in Farsi, English, and Upper Intermediate in French).

Milad analyzed paramedics' collisions in the province of Québec during his Ph.D. thesis using statistical tools as well as descriptive tools. He expanded his research interest to focus on the impact of policies and restrictions related to COVID-19 on newly confirmed cases of COVID-19 as well as traffic safety.

# For more information about TIRF visit [www.tirf.ca](http://www.tirf.ca)

## Academic highlights:

Milad received his Ph.D. in Biology and Health Science at the University of Québec. He studied the prevalence and contributing factors involved in ambulance crashes in the province of Quebec.

He received his master's degree in Transportation and Road Engineering from the University of Mashhad, Iran, in 2018 with professional training including road safety engineering, time series analysis, and transportation modeling. He evaluated the impact of policies like increasing traffic fines and law enforcement on road safety using interrupted time series analysis. He also forecasted mortalities and injuries on road traffic in Iran using SARIMA and state-space models.

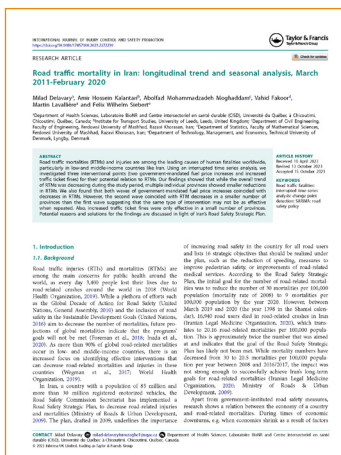
Milad has published and presented more than 20 journal and conference papers in civil and transportation engineering, occupational safety, and health science.

Milad is a reviewer for journals like Accident Analysis and Prevention.

## Selected bibliography:

### Road traffic mortality in Iran: longitudinal trend and seasonal analysis March 2011-February 2020 (2023)

Injury Control and Safety Prevention



### Effect of eco-driving on commercial motor vehicle driver collision risk (2024)

Journal of Safety Research



## TIRF Educational Resources

Action2Zero  
[action2zero.tirf.ca](http://action2zero.tirf.ca)

Drop It And Drive®  
[diad.tirf.ca](http://diad.tirf.ca)

Community-Based Toolkit  
for Road Safety Campaigns  
[tirf.ca/projects/  
community-based-  
toolkit-road-safety-  
campaigns](http://tirf.ca/projects/community-based-toolkit-road-safety-campaigns)

Drug-Impaired Driving  
Learning Centre (DIDL)  
[druggeddriving.tirf.ca](http://druggeddriving.tirf.ca)

GDL Framework  
Safety Center  
[gdlframework.tirf.ca](http://gdlframework.tirf.ca)

Brain on Board  
[brainonboard.ca](http://brainonboard.ca)

Wildlife Roadsharing  
Resource Centre (WRR)  
[wildliferoadsharing.tirf.ca](http://wildliferoadsharing.tirf.ca)

Sober Smart Driving  
[sobersmartdriving.tirf.ca](http://sobersmartdriving.tirf.ca)

Young and New Driver  
Resource Centre  
[yndrc.tirf.ca](http://yndrc.tirf.ca)

Alcohol Ignition Interlock  
Curriculum for Practitioners  
[aic.tirf.ca](http://aic.tirf.ca)