



Projects

Tackling important complex socio-technical issues in today's mobility and healthcare landscapes. We focus on the relationships between People and Automated Systems.

The Contract

A living negotiation of the roles and responsibilities of vehicle co-pilots (People

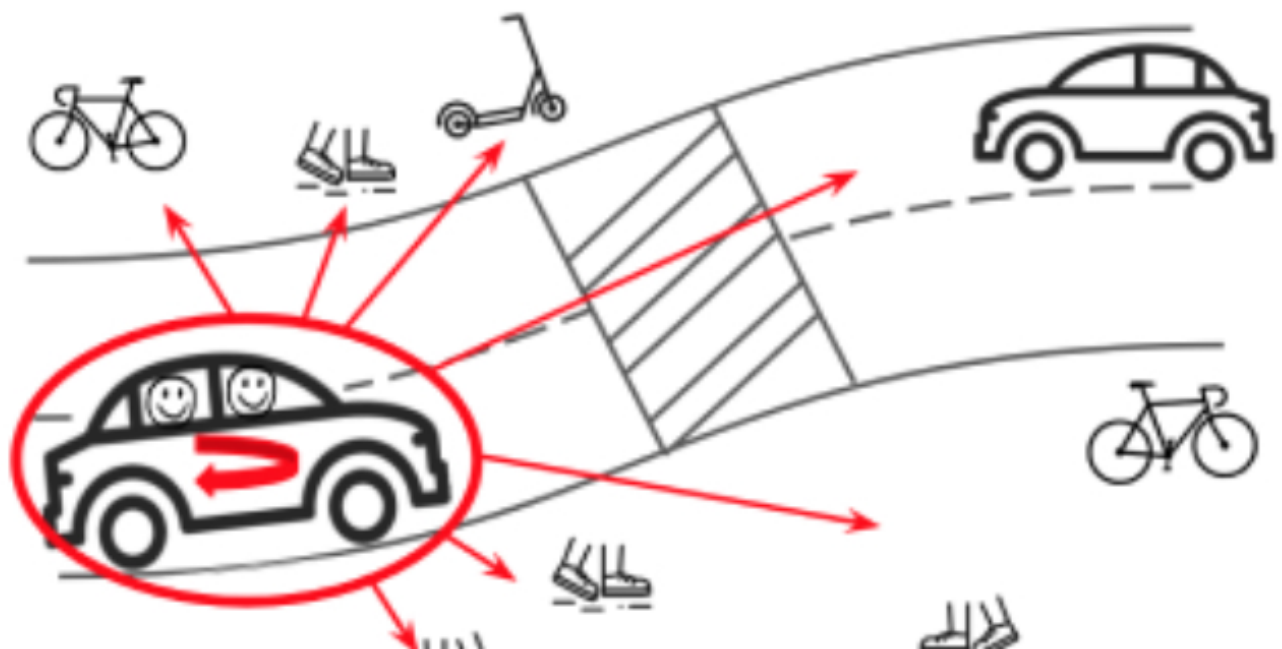
+ Automated Driving System). It rethinks the transitional space of semi-autonomy as working together.

PI – Don Norman

Project Head – Colleen Emmenegger

Funded by – Ford University Research Program

[Learn More >](#)





UnBiased

Case Study Coming Soon

Using Social Signal Processing to
understand and detect implicit bias in
physician-patient interactions in real-time.

PI – Andrea Hartzler and Nadir Weibel

Head of SPP Data Coding – Colleen Emmenegger

Funded by – National Library of Medicine



Smart Installation GIS-Based Mobility Map

*Case Study Coming
Soon*

Developing a multi-layered interactive Mobility Map for the MCAS Miramar Installation using the Geographical Information System, ArcGIS platform by Esri.

PI – Colleen Emmenegger

Funded by – US Army Corps of Engineers,
Engineer Research and Development
Center



Multiple Road-User Roles

Understanding how people having different modes of transportation share the road, using a fixed-base simulator and an eyetracker.

PI – Linda Hill, Ben Bergen

Senior Researcher – Colleen Emmenegger

Funded by – University of California Institute of Transportation Studies (ITS)

[Learn More >](#)



Autonomous

Shuttles

Case Study Coming Soon

Description coming soon.

PI – Coming soon.

Funded by – Coming soon.





Research Operations

Improving how senior researchers and students collect, manage, and retrieve research data for an optimized project

Workflow.

[Learn More >](#)



Funding and Support

Current research is funded by the Berkeley Institute for Transportation Studies (ITS), Ford Motor Company, the US Army Corps of Engineers, Engineering Research & Development Center (ERDC), the National Institutes of Health, National Library of Medicine, and the Naval Information Warfare Center (NIWIC). Additional funding for previous projects was provided by Nissan, Hyundai Motor Company, the Toyota Motor Company, and Dexcom.



ITSBerkeley
Institute of Transportation Studies



*Naval Information
Warfare Center*



PACIFIC



dexcom®



 **usignite**



A place where interdisciplinary teams of students, faculty and affiliated researchers explore the future of mobility and healthcare through a unique combination of People-Centered Design, Distributed Cognition and Pragmatic Speculative Design.

Automation Playground

UCSD Design Lab

9500 Gilman Dr, La Jolla, CA 92093

cemmenegger@ucsd.edu

UC San Diego

UC San Diego

THE DESIGN LAB



**CONTEXTUAL
ROBOTICS
INSTITUTE**



