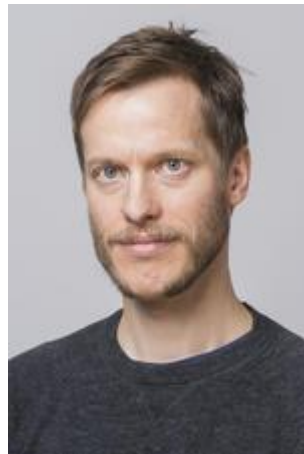


System & Culture

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Forskning i bevegelse



Why *System & Culture*?

- Transport systems / organisations are becoming more:
 - *Fragmented*
 - *Integrated*
 - *International*
 - *Complex*
- Safety and security – properties emerging from interactions among many social and technical components of transport systems
- Modern management of safety and security demands a systems approach
- Culture is central to the success of management systems

4 Focus areas across road, rail, sea and air

1. Safety and security culture
2. Management and regulation of safety and security
3. Design and analysis of system safety and security
4. Inter-organisational safety and security

1. Safety and security culture

- Safety culture in maritime transport in Norway and Greece: Exploring national, sectorial and organizational influences on unsafe behaviours and work accidents
- How can we improve safety culture in transport organizations? A review of interventions, effects and influencing factors
- Road safety culture among HGV drivers in Norway and Greece: why do Greek HGV drivers commit more aggressive violations in traffic?
- Safety culture, working conditions and personal injuries in Norwegian maritime transport
- Procedure Negligence in Coastal Cargo: What Can Be Done to Reduce the Gap between Formal and Informal Aspects of Safety?
- Kartlegging av sikkerhetskultur i tre godstransportbedrifter
- Traffic safety culture among bicyclists – Results from a Norwegian study
- How can the safety culture perspective be applied to road traffic?
- Evaluating a safety culture campaign: Some lessons from a Norwegian case

2. Management and regulation of safety and security

- a) Management and regulation
- b) Internationalisation
- c) Emergency preparedness
- d) Fatigue risk management

2. Management and regulation of safety and security

- [Regulation of safety culture in the Swedish Transport Agency and Radiation Safety Authority](#)
- [Sikkerhetskultur, sikkerhetsledelse og risiko i godstransportbedrifter på veg](#)
- [Miniscenario: Sikkerhetsstigen \(The Safety Ladder\). Innføre tiltak for sikkerhetsstyring i godstransportbedrifter](#)
- [Utvikling av mal for evaluering av Trafikksikker kommune](#)
- [Work-related accidents in Norwegian road, sea and air transport: roles and responsibilities](#)
- [Tunge kjøretøy og trafikkulykker – Norge sammenlignet med andre land i Europa](#)
- [Occupational safety and work related factors in Norwegian maritime transport](#)
- [Traffic accidents triggered by drivers at work – A survey and analysis of contributing factors](#)
- [Hvordan kan myndighetene hjelpe de små transportbedriftene med sikkerhetsstyring?](#)
- [Obligatorisk etterutdanning for yrkessjåfører](#)
- [Work related accidents in road sea and air transport: prevalence and risk factors](#)
- [Ulykkesrisikoen til norskopererte godsskip i norske farvann](#)
- [Trafikkulykker ved kjøring i arbeid - en kartlegging og analyse av medvirkende faktorer](#)
- [Health, safety and bus drivers](#)
- [Kartlegging av arbeidsrelaterte trafikkulykker. Analyse av dødsulykker i Norge fra 2005 til 2010](#)

Internationalisation

- [Internationalisation in Road Transport of Goods in Norway: Safety Outcomes, Risk Factors and Policy Implications](#)
- [Safety in maritime transport: Is flag state important in an international sector?](#)
- [Internationalisation in road transport of goods: safety outcomes, risk factors and measures](#)
- [Ulykkesrisiko for tunge godsbiler på norske veger: Sammenlikning av norske og utenlandske aktører](#)
- [Internationalisation in Road Transport of Goods in Norway: Safety Outcomes, Risk Factors and Policy Implications](#)

Emergency preparedness

- [Kartlegging av kjøretøybranner i norske vegtunneler 2008-2015](#)
- [A survey of vehicle fires in Norwegian road tunnels 2008–2011](#)

Fatigue Risk Management

- Fatigue in transport: a review of exposure, risks, checks and controls
- Countermeasures for use in fatigue risk management
- Fatigue in operators of land- and sea-based transport forms in Norway. Risk Profiles Fatigue in Transport Report IV
- Fatigue in operators of land- and sea-based transport forms in Norway. Literature review and expert opinion. Fatigue in Transport Report III.
- An assessment of studies of human fatigue in land and sea transport
- What is fatigue and how does it affect the safety performance of human transport operators?
- Managing fatigue in occupational settings

3. Analysis and design of system safety and security

- SAFEWAY – harnessing big data for increased resilience and mobility crisis management
- Use of mobile phone by bus drivers: a sociotechnical approach
- Human Performance and Flight Data Monitoring
- Increasing the implementation of traffic safety management systems by organisations
- Helping train drivers pass signals safely: Lessons from 10 case studies

4. Interorganisational safety and security

- Evaluering av E18 Gulli-Langåker: Trafikantenes sikkerhet i anleggsperioden
- + many of the above studies

We collaborate with users, firms, trade organisations, authorities...



NORGES LASTEBILEIER-FORBUND



YRKESTRAFIKKFORBUNDET
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Statens vegvesen



Oslo kommune
Vann- og avløpsetaten



Arbeidstilsynet



Luftfartstilsynet



TRYGG TRAFIKK



Sjøfartsdirektoratet
Norwegian Maritime Authority



NHO
Luftfart



TRANSPORT
STYRELSEN

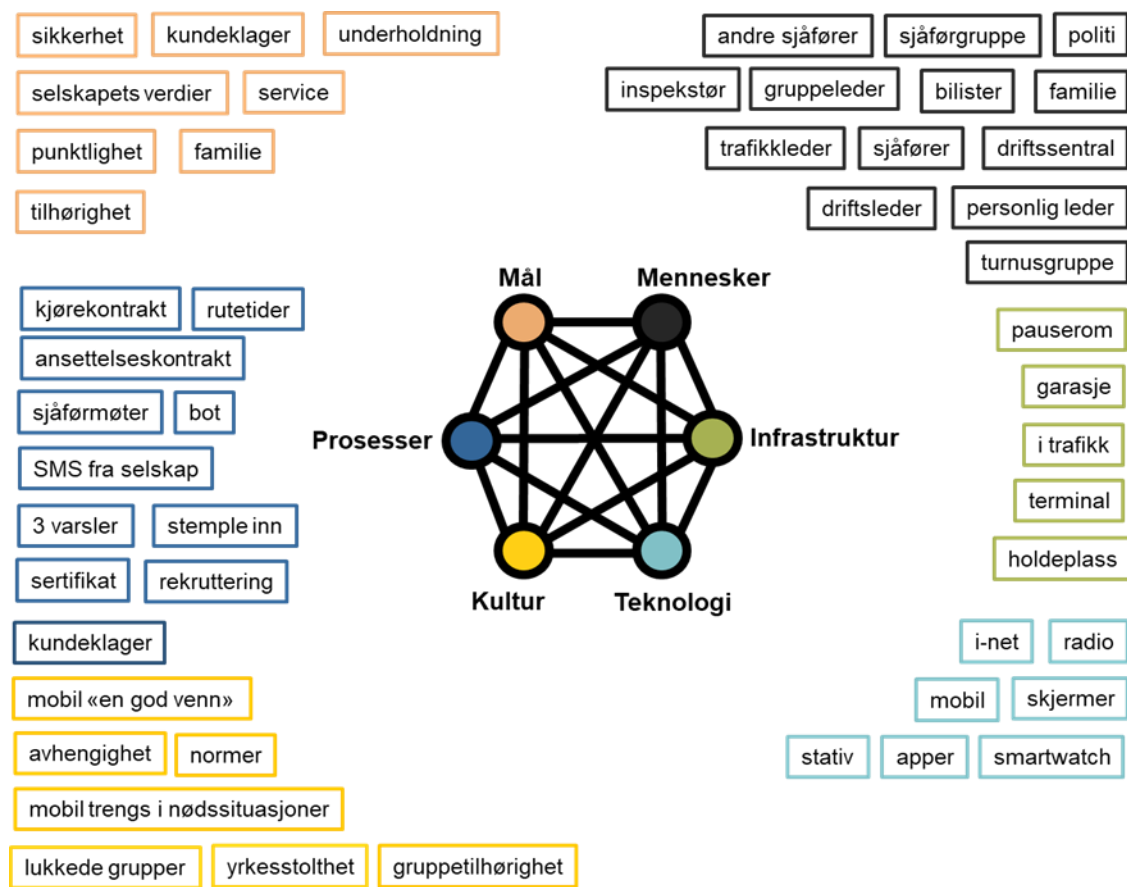


NHO
Transport



Transportøkonomisk institutt
Stiftelsen Norsk senter for samferdselsforskning

Models that reflect reality...



Figur 14. Kartlegging av det sosiotechniske systemet rundt bussjåførene fra Selskap A, hvor systemet er beskrevet av faktorer som spiller inn og påvirker mobilbruk ved kjøring. Faktorer ble nevnt gjerne flere ganger i samtaler med ledelse og/eller bussjåførene.

Models that reflect reality...

The Safety Ladder

Solutions that reflect reality...



Mulighetene finnes, men ... Illustrasjonsfoto: Colourbox

Bilens lite utnyttede muligheter

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LITT AV HVERT: Bare en fjerdepart av bileierne i Norge har satt seg grundig inn i egen bils tekniske finesser – finesser som kan bidra til sikkerhet, effektivitet og komfort – vier en undersøkelse utført for Autobransjens Leverandørforening (ABL).