

CV Arvid Aakre

Name ARVID AAKRE
Born 10th April 1959 in Drangedal, Telemark
Nationality Norwegian
Position Ass. professor at Department of Civil and Transport Engineering, NTNU
Degrees M.Sc., Department of Transportation Engineering, NTH, 1983

Work experience

1987→ Department of Civil and Transport Engineering, NTNU
Ass professor

1983 → SINTEF Transport Engineering
Research scientist / scientific adviser

1991-92 Transport Research Laboratory (TRL), Crowthorne, England
Research scientist (sabbatical)

1983-86 Department of Transport Engineering, NTNU
Research fellow

1982-83 Institut für Stadtbauwesen, RWTH, Aachen, Germany
M.Sc thesis

Membership in academic and professional committees

Member of Norwegian society of chartered engineers (NIF)
Member of different NIF professional course committees

Member of Nordic Road Association, subgroup 53 Transport Informatics
Member since 1995, secretary since 2000

Member of different expert groups within road traffic in the Nordic countries
e.g.

- Revision of Norwegian road traffic design guidelines
- Nordkap (Nordic network for capacity and level of service)
- Vehicle technology expert group

Member of Leuven Erasmus Network for cooperation between universities and exchange of students

Fields of interest and present research activities

- Intelligent transport systems and services (ITS)
- Traffic management
- Traffic flow theory and level of service
- Driver behavior and efficient traffic flow
- Traffic survey methods and equipment
- Road traffic accident investigation
- Traffic simulation and modelling
- Queueing theory and statistical modelling
- Computer models and programming

Selected academic and professional publications (2001 - 2004)

Mars 2004	Forbikjøringer. Grunnlag for revisjon av håndbok 017 Veg- og gateutforming" SINTEF rapport STF22 A04318
Mars 2004	"Endringer av gatebruk og trafikkregulering – hvordan planlegge, gjennomføre og informere om slike tiltak på en best mulig måte? Noen generelle tanker og et par eksempel fra Trondheim" Foredrag NVTF fagmøte 25.03.2004
Januar 2004	"Framkommelighet i høytrafikkerte gater – betydning av lavere fartsgrense" SINTEF report STF A04300
November 2003	"ÅDT grenser. Gjennomgang av ÅDT-grenser i ulike land og forslag til inndeling i ny handbook 017" SINTEF report STF22 A03329
November 2003	"Signalregulering av rundkjøringer" Presentation at Nordisk trafikksignalkonferens, Stockholm
October 2003	"Road Transport informatics terminology – a project initiated by the Nordic road Association" Presentation at the PIARC World Road Congress, Durban, South Africa
September 2003	"Reisetider. Behov for og bruk av reisetider" Presentation at NVF seminar "Variabla hastigheter og restider", Stockholm
June 2003	"Envegsregulering av Gamle bybro – før/etterundersøkelser" SINTEF research note
May 2003	"Oversikt over en del metoder for detektering av trafikk" Presentation at NVF seminar "Detektering", Stavanger

- November 2002 "Trafikkavvikling i kryss"
Presentation at SCC seminar "SIDRA", Trondheim
- October 2002 "Alternative muligheter"
Presentation at NVF seminar "Variable skilt i vegtrafikken", Tromsø
- September 2002 "Virkninger av ny teknologi i kjøretøy"
Presentation at "Teknologirådets scenarieverksted om ny teknologi i transportsektoren", Oslo
- September 2002 "Road Transport Informatics Terminology"
NVF report no 1:2002
- May 2002 "Virkninger av utvidet bruk av fartsbegrensere"
SINTEF report STF22 A02309
- September 2001 "Trafikksikkerhet eller framkommelighet – ja takk, begge deler"
Presentation at Veg og trafikk 2001, Trondheim
- August 2001 "Tilfartskapasitet i rundkjøringer – evaluering av beregningsmetoder"
SINTEF report STF22 A01300
- January 2001 "Hva forstår vi med trafikkavviklingskvalitet og hvordan kan vi påvirke den?"
Presentation at Samferdselkonferansen 2001, Trondheim