



# eltic-Plus<sup>+</sup>

Smart Connected World



Celtic-Plus Proposers Day  
20<sup>th</sup> June 2017, Helsinki

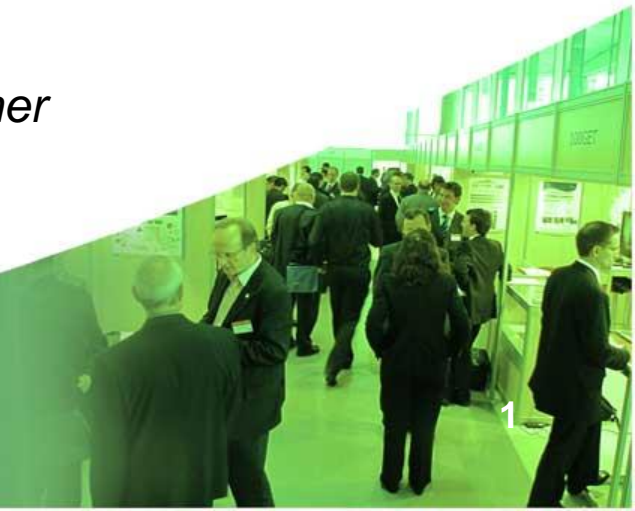
## Safe and Secure Vehicular Communication Systems

*Ali Balador, Senior Researcher*  
*Hossein Fotouhi, Senior Researcher*



MÄLARDALEN UNIVERSITY  
SWEDEN

RI  
SE

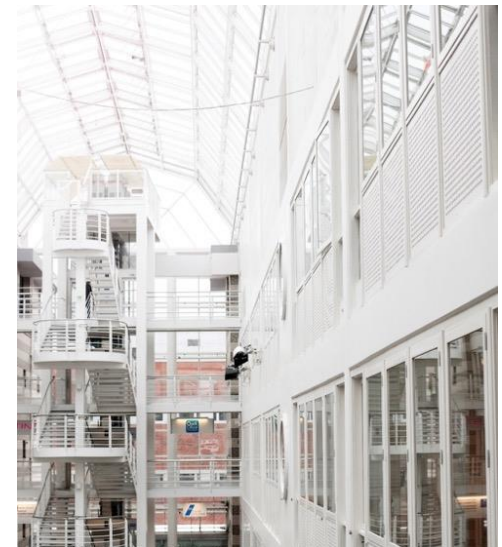


# Organisation Profile

- Mälardalen University (MDH) is located in Västerås and Eskilstuna, Sweden, founded in 1977.
- MDH has 14,000 students and 900 employees with 71 professors.
- Embedded systems is among the most prioritized research areas at MDH, where it has internationally leading competence.

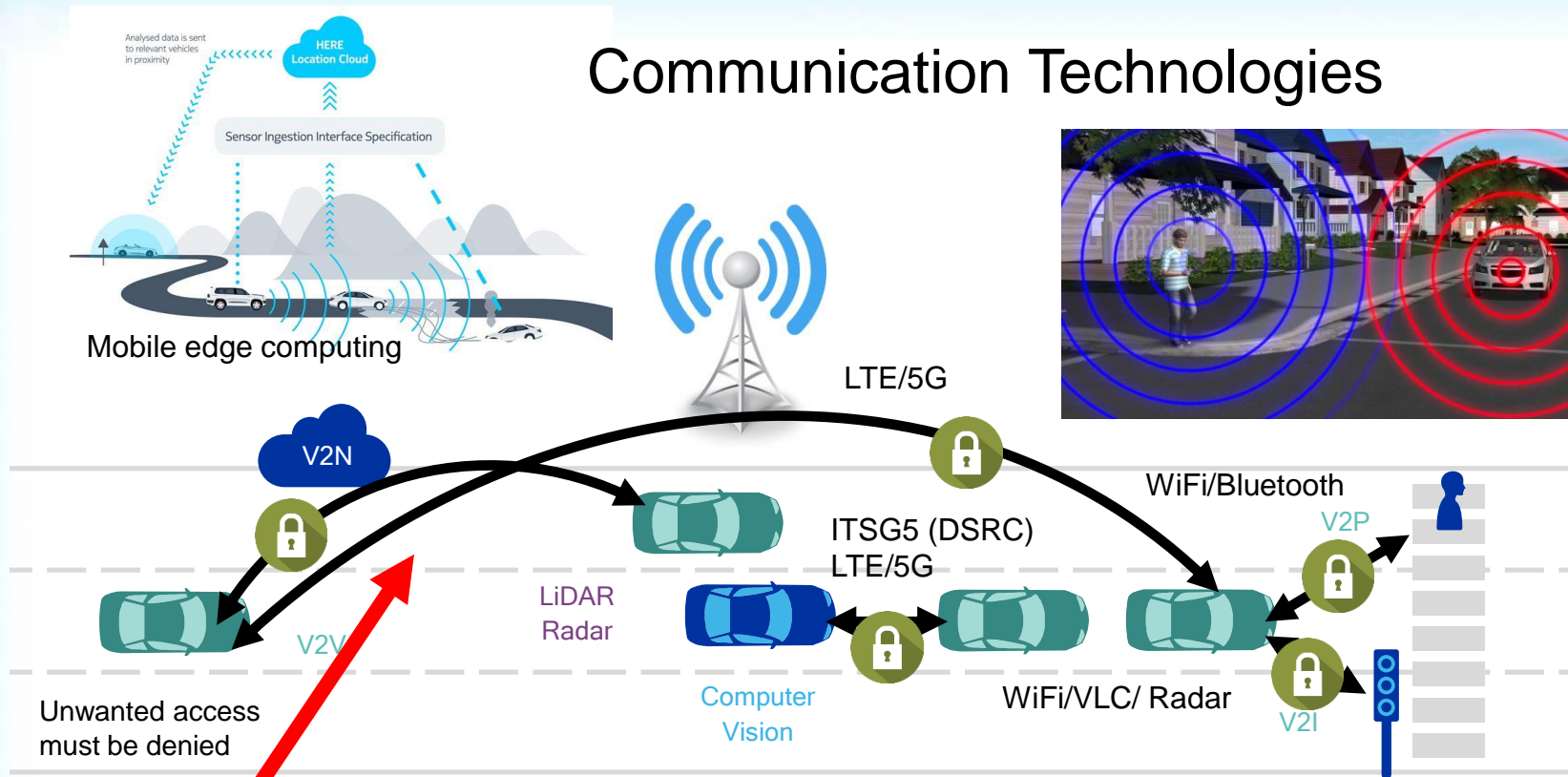


- RISE SICS is a leading research institute for applied information and communication technology in Sweden, founded in 1985.
- 202 Staff (76 Ph.D., 32 Professors)
- Application areas, such as Internet of Things, Industrial Automation and Maintenance, Automotive and Rail, Telecom, Digital Health, Decision support and business intelligence, Data Centers.

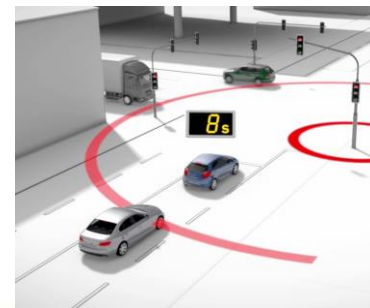
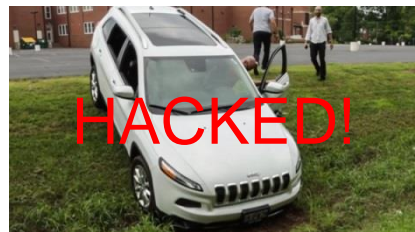


# Proposal Introduction (1)

## Communication Technologies



Safety & Security







# Proposal Introduction (2)

- **Expected Outcomes:**
  - Safe and secure vehicular communication system
  - New services and efficient operation based on analyzing connected car data
- **Impacts:**
  - Reduction of pollution (air pollution, noise, ..)
  - Reduction of congestion
  - Increased safety
  - Reduction of transfer cost and Increased transfer speed
  - More services and infotainments
- **Schedule:**
  - Target for October 2017 call

# Partners

**Sweden:**  
MDH, SICS  
AstaZero  
NEVS  
Volvo  
Alten  
TELE2IoT  
Cybercom

**Germany:**  
Fraunhofer IIS  
Qosmotech

**Turkey:**  
Ericsson  
Koc University  
Enforma

**France:**  
Telecom-sudparis  
NagraVision

**South Korea:**  
Katech

## Looking for partners:

- OEMs
- Telecom industries, network operator
- Universities and research institutes

For more information and for interest to participate please contact:



**Ali Balador**  
Senior Researcher  
RISE SICS Västerås  
[ali.balador@ri.se](mailto:ali.balador@ri.se)  
+46 73 053 21 33  
Kopparbergsvägen 10, 722 13  
Västerås, Sweden  
[www.sics.se/groups/rise-sics-vasteras](http://www.sics.se/groups/rise-sics-vasteras)



**Hossein Fotouhi**  
Senior Researcher  
Mälardalens högskola  
[hossein.fotouhi@mdh.se](mailto:hossein.fotouhi@mdh.se)  
+46 73 960 73 23  
Högskoleplan 1, 721 23  
Västerås Sweden  
[www.es.mdh.se/staff/2992-Hossein\\_Fotouhi](http://www.es.mdh.se/staff/2992-Hossein_Fotouhi)