

### **Experimental validation and field trials of 5G cross-border connectivity**

**Elgarhy, Osama Mohamed Mostafa; Kulmar, Marika; Roosipuu, Priit; Rohtla, Margus; Le Moullec, Yannick; Kõrbe Kaare, Kati; Sadam, Arvi; Scholliers, Johan; Alam, Muhammad Mahtab** 2024 IEEE Future Networks World Forum (FNWF) 2024 / p. 57-62  
<https://doi.org/10.1109/FNWF63303.2024.11028794>

### **Exploitability of Maritime Fleet-Based 5G Network Extension**

**Pilvik, Riivo; Jairus, Tanel; Sadam, Arvi; Nõmmela, Kaidi; Kõrbe Kaare, Kati; Scholliers, Johan** Electronics 2025 / art. 2210  
<https://doi.org/10.3390/electronics14112210>

### **Maritime multi-hop communication over 5G networks : an indoor testbed implementation and evaluation**

Horsmanheimo, Seppo; Tuomimaki, Lotta; Gentili, Andrea; Scholliers, Johan; Sadam, Arvi; **Kõrbe Kaare, Kati** 2024 IEEE 100th Vehicular Technology Conference (VTC2024-Fall) : proceedings : Washington DC, USA, 7-10 October 2024 2024  
<https://doi.org/10.1109/VTC2024-Fall63153.2024.10757897> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Performance evaluation of 5G-NR positioning accuracy using time difference of arrival method**

**Müürsepp, Ivo; Kulmar, Marika; Elgarhy, Osama Mohamed Mostafa; Alam, Muhammad Mahtab; Chen, Tao; Horsmanheimo, Seppo; Scholliers, Johan** 2021 IEEE International Mediterranean Conference on Communications and Networking (MeditCom) : Athens, Greece, 7-10 Sept. 2021 2021 / p. 494-499 : ill <https://doi.org/10.1109/MeditCom49071.2021.9647652>

### **Seamless 5g multi-hop connectivity architecture and trials for maritime applications**

Lindenbergs, Arturs; Muehleisen, Maciej; Payaro, Miquel; **Kõrbe Kaare, Kati; Zaglauer, Helmut W.**; Scholliers, Johan; Sadam, Arvi; **Kuhi, Kristjan; Nykanen, Lasse** Sensors 2023 / art. 4203 <https://doi.org/10.3390/s23094203> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)