

### **Beyond 5G/6G EMF considerations**

Benn, Andrew; Fellan, Amina; Kosmatos, Evangelos; Mohr, Werner; **Roosipuu, Priit**; Verrios, Panayiotis 2023

<https://doi.org/10.5281/zenodo.8099834>

### **Beyond 5G/6G KPIs and target values : Version 1.0-June 2022**

**Nielsen, Lars**; Gavras, Anastasius; Dieudonne, Michael; Mesogiti, Ioanna; **Roosipuu, Priit**; Houatra, Drissa; Kosmatos, Evangelos

2022 <https://doi.org/10.5281/zenodo.6577506>

### **Cost-efficient network planning for the cross-border Baltic corridor—a study**

**Elgarhy, Osama Mohamed Mostafa**; **Alam, Mohammad Saad**; **Tammets, Anet**; **Roosipuu, Priit**; Ancans, Guntis; Saidans, Guntars; Tutovs, Jurijs; Saliņš, Klavs; Verdinš, A.; Aleksandrovs, M.; Perševics, A.; Zariņš, D.; Uusmaa, Mart; Uhtlik, Ove; Soom, Priit Sensors 2023 / art. 8111 <https://doi.org/10.3390/s23198111> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development, implementation and field trial of 5G integrated GNSS-RTK positioning in cross-border settings**

**Elgarhy, Osama**; **Rohtla, Margus**; **Ait, Indur**; **Roosipuu, Priit**; **Kõrbe Kaare, Kati**; **Sadam, Arvi**; **Kallaspoolik, Toomas**; **Alam, Muhammad Mahtab** 2024 IEEE Future Networks World Forum (FNWF) 2025 / p. 791-796

<https://doi.org/10.1109/FNWF63303.2024.11028789>

### **Eesti on maailma kuues riik, kus osutatakse lennuliiklusteenust juba kahele lennuväljale vaid digitorni abil**

digi.geenius.ee 2024 [Eesti on maailma kuues riik, kus osutatakse lennuliiklusteenust juba kahele lennuväljale vaid digitorni abil](#)

### **Empirical evaluation of NB-IoT and CAT-M coverage for underground water system**

**Roosipuu, Priit**; **Anus, Ivar**; **Kuusik, Alar**; **Kändler, Nils**; **Alam, Muhammad Mahtab**; **Müürsepp, Ivo** IEEE Access 2024 / p. 187290-187301 <https://doi.org/10.1109/ACCESS.2024.3478733> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

### **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>

### **Limiting exposure to radiofrequency radiation : the principles and possible criteria for health protection**

**Hinrikus, Hiie**; **Koppel, Tarmo**; **Lass, Jaanus**; **Roosipuu, Priit**; **Bachmann, Maie** International Journal of Radiation Biology 2023 / p. 1167-1177 <https://doi.org/10.1080/09553002.2023.2159567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

### **Monitoring and control of smart urban drainage systems using NB-IoT cellular sensor networks**

**Roosipuu, Priit**; **Anus, Ivar**; **Kuusik, Alar**; **Kändler, Nils**; **Alam, Muhammad Mahtab** Water science & technology Water science and technology 2023 / p. 339-354 <https://doi.org/10.2166/wst.2023.222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

### **Optimal digital signal post-processing for primary radar**

**Arro, Ilmar**; **Kulmar, Lembit**; **Roosipuu, Priit** Proceedings of the Estonian Academy of Sciences. Engineering 1999 / p. 187-197

<https://doi.org/10.3176/eng.1999.3.01> [https://artiklid.elnet.ee/record=b1001720\\*est](https://artiklid.elnet.ee/record=b1001720*est)

### **Possible health effects on the human brain by various generations of mobile telecommunication: a review based estimation of 5G impact**

**Hinrikus, Hiie**; **Koppel, Tarmo**; **Lass, Jaanus**; **Roosipuu, Priit**; **Bachmann, Maie** International Journal of Radiation Biology 2022 / p. 1210-1221 <https://doi.org/10.1080/09553002.2022.2026516> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

### **Radar signal postprocessing**

**Roosipuu, Priit**; **Arro, Ilmar** Elektronika ir elektrotehnika = Electronics and electrical engineering 2001 / 2, p. 20-24

### **Radiolocation models for maritime radar systems**

**Roosipuu, Priit** Telekommunikatsioon '98 : rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid, 15. mai 1998 1998 / lk. 35-41: ill

### **Ressursside jaotamine arvutivõrkudes**

**Roosipuu, Priit** A & A 1998 / 5, lk. 43-47

### **Scanning radar signal postprocessing**

**Arro, Ilmar**; **Roosipuu, Priit** BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 353-356: ill

**TalTechi elektroonikatudengid ehitasid valmis väga vajaliku prototüübi Eesti lennundusele**  
postimees.ee 2024 [TalTechi elektroonikatudengid ehitasid valmis väga vajaliku prototüübi Eesti lennundusele](#)

**Vision towards 5G : comparison of radio propagation models for licensed and unlicensed indoor femtocell sensor networks**

**Shabbir, Noman; Kütt, Lauri; Alam, Muhammad Mahtab; Roosipuu, Priit** Physical communication 2021 / art. 101371  
<https://doi.org/10.1016/j.phycom.2021.101371> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Õppejõud Priit Roosipuu: ebaõnnestumised väga head õppimiskohad**

Jakobson, Maris postimees.ee 2023 [Õppejõud Priit Roosipuu: ebaõnnestumised väga head õppimiskohad](#)