

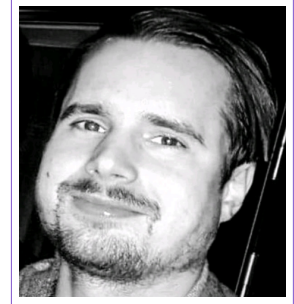
Ilari Angervuori

Academic Curriculum Vitae

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Education

- 2016-2018 **Master of Philosophy**, *University of Helsinki – Faculty of Science – Department of Mathematics and Statistics*, Applied Analysis, Excellent results
- 2010-2016 **Bachelor of Science**, *University of Helsinki*
Applied Analysis

Work experience

- 1.5.2019-
current **PhD Candidate**, *Aalto University*, Department of Signal Processing and Acoustics, Stochastic Geometry and Wireless Networking in Satellite Networks
Funded position by the department of Signal Processing and Acoustic
- 2018-
1.5.2019 **Research Assistant**, *Aalto University*, Department of Signal Processing and Acoustics, Stochastic Geometry in Cellular Satellite Networks
Funded position by the department of Signal Processing and Acoustic
- 2017 **Course Assistant**, *University of Helsinki*, Integral Calculations, 4 months
- 2015 **Conference Arrangement at the Applied Inverse Problems (AIP) Conference**, *University of Helsinki*, 1 month

Published research

- 2020 **Downlink Coverage and Rate Analysis of Low Earth Orbit Satellite Constellations Using Stochastic Geometry** Okati, N., Riihonen, T., Korpi, D., Angervuori, I. Wichman, R., Aug 2020, In : *IEEE Transactions on Communications*. 68, 8, p. 5120-5134 9079921.
- 2020 A. Yastrebova et al., "Theoretical and Simulation-based Analysis of Terrestrial Interference to LEO Satellite Uplinks," *GLOBECOM 2020 - 2020 IEEE Global Communications Conference*, Taipei, Taiwan, 2020, pp. 1-6, doi: 10.1109/GLOBECOM42002.2020.9347980.
- 2019 N Okati, I Tanash, T Riihonen, I Angervuori, W Risto, "Theoretical and Simulation-based Analysis of Terrestrial Interference to LEO Satellite Uplinks," *Proceedings of XXXV Finnish URSI Convention on Radio Science*.

2019 I Angervuori, W Risto, N Okati, T Riihonen, "On routing protocols in inter-satellite communications," Proceedings of XXXV Finnish URSI Convention on Radio Science.

Languages

Basics	Spanish	<i>I have studied in four basic courses in Spanish.</i>
Intermediate	Swedish	<i>Second major language in high school.</i>
Fluent	English	<i>Major language in high school. In use daily.</i>
Mother tongue	Finnish	

Areas of competences

My background is in applied mathematics, and I have a wide box of skills in there, and I have a solid knowledge e.g. in partial differential equations and probability theory. Since my graduation from the University of Helsinki, I have aimed towards engineering and pursued research on low earth orbit satellite communications at Aalto University. My interests are in modeling wireless communication networks, and I am familiar with frequency reuse, MIMO, multiplexing, fading etc. I have applied stochastic geometry to wireless satellite communication systems in creative ways. I have worked with various programming languages like Matlab, Wolfram, C, Java etc. I am eager to participate in constructive challenges and to learn more.

References

- o Please refer to Professor Risto Wichman from Aalto University, risto.wichman@aalto.fi.