

# 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

- 1.8.2023-  
1.2.2024 **Visiting researcher**, *University of Notre Dame*, Dept. of Electrical Engineering
- 1.5.2019-  
current **PhD Candidate**, *Aalto University*, Department of Signal Processing and Acoustics, Stochastic Geometry and Wireless Communications in Satellite Networks  
Funded position in the department of Signal Processing and Acoustics
- 2018-  
1.5.2019 **Research Assistant**, *Aalto University*, Department of Signal Processing and Acoustics, Stochastic Geometry in Cellular Satellite Networks  
Funded position in the department of Signal Processing and Acoustics
- 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

## Accepted publications

- 2022 **I. Angervuori, R. Wichman, A Closed-Form Approximation of the SIR Distribution in a LEO Uplink Channel In : 2022 IEEE Globecom Workshops (GC Wkshps): Workshop on Cellular UAV and Satellite Communications, December 4 - 8, Rio de Janeiro, Brazil, accepted for presentation**
- 2020 **N. Okati, T. Riihonen, D. Korpi, I. Angervuori and R. Wichman, "Downlink Coverage and Rate Analysis of Low Earth Orbit Satellite Constellations Using Stochastic Geometry," in IEEE Transactions on Communications, vol. 68, no. 8, pp. 5120-5134, Aug. 2020, doi: 10.1109/TCOMM.2020.2990993.**
- 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. I have a solid knowledge, for example, of partial differential equations and probability theory, particularly stochastic geometry. Right now, I am pursuing a PhD in wireless communications and LEO networks.

## References

- Please refer to Professor Risto Wichman from Aalto University, [risto.wichman@aalto.fi](mailto:risto.wichman@aalto.fi).