# Henk Wymeersch

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Henk Wymeersch is Professor with the Communication Systems Group. He leads the area of Cooperative Systems and is affiliated with the FORCE research center on optical communication. Henk is the author of Iterative Receiver Design and focuses his research on algorithm design for digital communication, localization and statistical inference.

**Teaching**

**Publications**

**Collaboration and projects**

**Biography**

Henk Wymeersch is a Professor in Communication Systems with the Department of Electrical Engineering at Chalmers University of Technology, Sweden. He is also affiliated with the FORCE research center on fiber-optic communication, and was the PI of COOPNET, an ERC project on cooperative networks. Prior to joining Chalmers, he was a Postdoctoral Associate during 2006-2009 with the Laboratory for Information and Decision Systems (LIDS) at the Massachusetts Institute of Technology (MIT). Henk Wymeersch obtained the Ph.D. degree in Electrical Engineering/Applied

sciences in 2005 from Ghent University, Belgium. For his thesis, he received the 2006 Alcatel Bell Scientific Award. He received a fellowship from the Belgian American Educational Foundation in 2005-2006. He is a member of the IEEE, and served as Associate Editor for IEEE Transactions on Communications (2016-present), IEEE Transactions on Wireless Communications (2013-present), for IEEE Communication Letters (2009-2013) and the Transactions on Emerging Telecommunications Technologies (ETT) (2011-2016). He served as Guest Editor for IEEE Journal on Selected Areas in Communications (JSAC, special issue on Location-aware Radios and Networks), EURASIP Journal on Wireless Communications and Networking (special issue on Localization in Mobile Wireless and Sensor Networks), and for EURASIP Journal on Advances in Signal Processing (special Issue on Signal Processing Techniques for Anywhere, anytime positioning). In 2015, he served as General Chair of the International Conference on Localization and GNSS. He has co-authored over 100 contributions in journals and international conferences, and is the author of Iterative Receiver Design (Cambridge University Press, August 2007). In 2009, he was part of a team that won the L3 Communications Prize at the 2009 Soldier Design Competition, for the practical demonstration of cooperative ultra-wide bandwidth (UWB) localization. Other awards include a best paper award at Globecom 2009 and a NEWCOM++ best paper award in 2010. His research interests include algorithm design for wireless transmission, statistical inference and iterative processing. (Personal website)