

# **Optimization of Multicarrier Data Transmission over Wireline and Optical Media for a Novel Industrial Fieldbus**

Von der Fakultät Informatik, Elektrotechnik und Informationstechnik  
der Universität Stuttgart zur Erlangung der Würde eines  
Doktor-Ingenieurs (Dr.-Ing.) genehmigte Abhandlung

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Hauptberichter:  
Mitberichter:  
Tag der mündlichen Prüfung:

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9. Juni 2015

Institut für Nachrichtenübertragung der Universität Stuttgart

2015



Berichte aus der Kommunikationstechnik

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**Optimization of Multicarrier Data Transmission  
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D 93 (Diss. Universität Stuttgart)

Shaker Verlag  
Aachen 2015

**Bibliographic information published by the Deutsche Nationalbibliothek**

The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at <http://dnb.d-nb.de>.

Zugl.: Stuttgart, Univ., Diss., 2015

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Printed in Germany.

ISBN 978-3-8440-3873-6

ISSN 0945-0823

Shaker Verlag GmbH • P.O. BOX 101818 • D-52018 Aachen

Phone: 0049/2407/9596-0 • Telefax: 0049/2407/9596-9

Internet: [www.shaker.de](http://www.shaker.de) • e-mail: [info@shaker.de](mailto:info@shaker.de)

# Acknowledgments

The thesis evolved from my research activities and project work at the Institute of Telecommunications at the University of Stuttgart. First of all, I would like to express my sincere gratitude to Prof. Dr.-Ing. Joachim Speidel for giving me the opportunity to work under his supervision and for supporting me in many regards. I definitively learned a great deal while working with you, not only from a professional but also from a personal perspective. Thank you for all fruitful and encouraging discussions we had. Furthermore, I would like to thank Prof. Dr.-Ing. habil. Helmut Beikirch for the assessment of this thesis.

Another thank you goes to all project partners for their innovative ideas which enriched our discussions and which contributed to the great success of all our projects. It has been a long road to the final working prototype setup. In this regard, special thanks go to the FTZ Leipzig and Dietmar Telschow for organizing numerous meetings and for supporting the extensive measurements campaigns as well as to the IGS Rostock and Dr. Klaus-Peter Kirchner for the inspiring discussions on the MAC layer and the very good cooperation.

I am also very grateful to my former colleagues of the Institute of Telecommunications. Thank you for providing me such a nice and pleasant time. I always enjoyed and will remember our social events and legendary table soccer matches although I lost an incredibly large amount of cookies. Moreover, I would like to thank in particular my former colleagues Matthias and Alex for the great teamwork and the valuable discussions we had. Last but not least the support team of the Institute deserves a big thank you for providing the IT infrastructure and maintaining the lab equipment.

I further like to acknowledge the work of all students who contributed to the projects during their research, student, diploma, and master theses.

A further big thank you deserves my family. Thanks for all your support, proofreading, and encouragement. My most special thanks go to my beloved wife Caecilia. Thank you for being like you are, for having always an open ear, and for your enduring support over the last years. A last thank you goes to Larissa Sophie for being so cute and for limited crying during the exam preparation period.

August 2015  
*Thomas Handte*

“Scientists investigate that which already is; engineers  
create that which has never been.”

---

*Albert Einstein*

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