

Faculty of Engineering

DOCTORAL DEGREE CERTIFICATE

With this certificate, the Friedrich-Alexander-Universität Erlangen-Nürnberg awards

Dongfang Xu

for his thesis

"Optimized Resource Allocation for Future Wireless Communication Systems"

"Optimierte Ressourcenzuweisung für zukünftige drahtlose Kommunikationssysteme"

> and the oral examination on 12/20/2022 the degree of

Doktor der Ingenieurwissenschaften (Dr.-Ing.)

with the overall grade: "with distinction"

Reviewers: Prof. Dr.-Ing. Robert Schober Dr. Yuanwei Liu

Prof. Dr.-Ing. Joachim Hornegger President

Prof. Dr.-Ing. habil. Kai Willner Dean of the Faculty