C. Rajesh Kumar

PERSONAL DETAILS

Birthday	January 1, 1991
Gender	Male
Nationality	Indian
Languages	Tamil, English
	Pondicherry, India
	(+91) 7010797246
	rajeshkumarphd062@gmail.com
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WORK EXPERIENCE

RADAR signal processing algorithm developer
Continental Automotive Components (India) Pvt. Ltd.
Electronic City, Karnataka Aug. 2019 - present

PROGRAMMING SKILLS

Proficient	C • C++ • MATLAB
Experienced	Version Control System: Git • GitHub
Familiar	Golang • Python • LaTeX

ACADEMIC QUALIFICATIONS

Ph.D. Wireless Communication (CGPA - 9/10) 2015-2019
National Institute of Technology, Tiruchirappalli

M.Tech. Electronics (CGPA - 8.75/10) 2012-2014
Pondicherry University, Kalapet

B.Tech. ECE (CGPA - 8.55/10) 2008-2012
Rajiv Gandhi College of Engineering and Technology, Kirumambakkam

XII-th (Percentage - 89.2/100) 2007-2008
Jawahar Navodaya Vidyalaya Periakalapet, Pondicherry

X-th (Percentage - 86.6/100) 2005-2006
Jawahar Navodaya Vidyalaya Periakalapet, Pondicherry

AREAS OF INTEREST

Wireless Communication • Digital Signal Processing
Digital Communication • Statistical Estimation and Detection Theory
RADAR Signal Processing • Machine Learning
Visible Light Communication • WLAN • 4G-LTE • LTE-A • 5G-NR, etc.

PUBLICATIONS

1. C. Rajesh Kumar and R. K. Jeyachitra (2017). **Power Efficient Generalized Spatial Modulation MIMO for Indoor Visible Light Communications**. *IEEE Photon. Technol. Lett.*, **29(11)** 921-924.

2. C. Rajesh Kumar and R. K. Jeyachitra (2018). **Dual-Mode Generalized Spatial Modulation MIMO for Visible Light Communications**. *IEEE Commun. Lett.*, **22(2)** 280-283.

3. C. Rajesh Kumar and R. K. Jeyachitra (2018). **Improved Joint Generalized Spatial Modulations for MIMO-VLC Systems**. *IEEE Commun. Lett.*, **22(11)** 2226-2229.

4. C. Rajesh Kumar and R. K. Jeyachitra (2019). **Low Complexity LED Grouping based Precoding-aided Spatial Modulation for Highly Correlated Large-Scale MIMO-VLC Channels**. *IET Commun.*, **13(3)** 312-321.

5. C. Rajesh Kumar and R. K. Jeyachitra (2021). **Unipolar Precoder Designs for Generalized Spatial Modulation MIMO-VLC Systems**. *Wireless Personal Commun.*, **121(1)** 647-658.

SERVICES

Reviewer

IEEE Journal on Selected Areas in Communications - Special issue on Spatial Modulation for Emerging Wireless Systems 2019, (JSAC-SI-SM'19)

IEEE Communications Letters

Elsevier - Digital Signal Processing

REFERENCES

Will be provided on demand.