List of Books on

5G NETWORK

(Available in Central Library)

How to Recommend a Book?

You may recommend the books by filling out recommendation forms available on the website. (https://library.iitd.ac.in/book-recommendation) or through the online recommendation system (https://library.iitd.ac.in/obrs using your Kerberos ID and password.

Scan the QR code to explore Path Finder

Compiled by:

Collection Development Division,
Central Library,
Indian Institute of Technology Delhi
Contact: 011-2659-6622/6096
email: cdd@library.iitd.ac.in

Books in Central Library

1)	Benallou, Abdelhanine (2024). *Heat exchangers: design and sizing algorithms*. London: ISTE. 621-714 BEN-H 181293 | CL
2)	Ghosh, Amitava (2022). *5G-enabled industrial IoT networks*. Boston: Artech House. 621.39:681.3 -FIV 177274 | CL
3)	Haas, Harald… (et al.) (2021). *Introduction to optical wireless mobile communications*. Norwood: Artech House. 621.391 -INT 176739 | CL
4)	Imoize, Agbotiname Lucky… (et. al.) (Ed.) (2023). *Security and privacy schemes for dense 6G wireless communication networks*. Stevenage: Institution of Engineering and Technology. 621.391 -SEC 179599 | CL
5)	Koul, Shiban Kishen and G.S., Karthikeya (2021). *Antenna architectures for future wireless devices.* Singapore: Springer. 621.391 KOU-A 177239 | CL
6)	Lei, Wan (2021). *5G system design: an end to end perspective*. Cham: Springer. 621.391 -FIV 178385 | CL
7)	Liu, Xiang (2022). *Optical communications in the 5G era.* Amsterdam: Academic Press. 621.391 LIU-O 177192 | CL
8)	Markakis, Evangelos… (et al.) (Ed.) (2017). *Cloud and fog computing in 5G mobile networks: emerging advances and applications*. London: Institution of Engineering and Technology. 621.391:681.3 -CLO 170528 | CL
9)	Matin, Mohammad Abdul (Ed.) (2020). *Towards cognitive IoT networks*. Cham: Springer. 681.3 -TOW 178021 | CL
10)	Mishra, Ajay R. (Ed.) (2007). *Advanced cellular network planning and optimization: 2G/ 2.5G/ 3G... Evolution to 4G.* Chichester: John Wiley. 621.395.721.5 -ADV 152132 | CL
11)	Radwan, Ayman (Ed.) and Rodriguez, Jonathan (Ed.) (2015). *Energy efficient smart phones for 5G networks.* Switzerland: Springer. 621.39 -ENE 176395 | CL
12)	Rodriguez, Jonathan (Ed.) (2015). *Fundamentals of 5G mobile networks*. United Kingdom: John Wiley & Sons. 621.395.721.5:004.77 -FUN 167182 | CL
13)	Rommer, Stefan (2020). *5G core networks: powering digitalization*. Cambridge: Elsevier. 621.391 -FIV 177519 | CL

14)	S Velliangiri (Ed.), M Gunasekaran (Ed.) and P Karthikeyan (Ed.) (2022). *Secure communication for 5G and IoT networks.* Cham: Springer. 621.39:004.77 -SEC 178951 | CL
15)	Saakian, Artem (2021). *Radio wave propagation fundamentals*. Massachusetts: Artech house. 621.371 SAA-R 176578 | CL
16)	Sauter, Martin (2017). *From GSM to LTE-Advanced pro and 5G : an introduction to mobile networks and mobile broadband.* Hoboken: John Wiley. 621.391 SAU-F 171812 | CL
17)	Suraweera, Himal A... (et al.) (Ed.) (2021). *Green communications for energy-efficient wireless systems and networks.* London: Institution of Engineering and Technology. 621.39 -GRE 176526 | CL
18)	Tanwar, Sudeep (Ed.) (2021). *Blockchain for 5G-enabled IoT: the new wave for industrial automation.* Cham: Springer. 621.39:681.3 -BLO 177954 | CL
19)	Vishnevsky, Vladimir M… (et al.) (2024). *Reliability assessment of tethered high-altitude unmanned telecommunication platforms: k-out-of-n reliability models and applications.* Singapore: Springer. 621.39:519.24 -REL 180029, 180027 | CL
20)	Yingjie Jay Guo (Ed.) and Richard W. Ziolkowski (Ed.) (2022). *Antenna and array technologies for future wireless ecosystems.* Hoboken: Wiley. 621.396.67 -ANT 178255 | CL
21)	Zeng, Yong ... (et al.) (Ed.) (2021). *UAV communications for 5G and beyond*. New Jersey: Wiley. 629.7 -UAV 176373 | CL
22)	Zielinski, Tomasz P. (2021). *Starting digital signal processing in telecommunication engineering: a laboratory-based course*. Cham: Springer. 621.39 ZIE-S 177571 | CL

E-books in Central Library

1)	Galinina, Olga (Ed.) (2020). *Internet of things, smart spaces, and next generation networks and systems: 20th international conference, NEW2AN 2020, and 13th conference, ruSMART 2020, St. Petersburg, Russia, August 26-28, 2020, Proceedings, Part I.* Cham: Springer. Open Access EB
2)	Galinina, Olga (Ed.) (2020). *Internet of things, smart spaces, and next generation networks and systems: 20th international conference, new2an 2020, and 13th conference, ruSMART 2020, St. Petersburg, Russia, August 26-28, 2020, Proceedings, part II.* Cham: Springer. Open Access EB
3)	Mohamed, Khaled Salah (2022). *Wireless communications systems architecture: transceiver design and dsp towards 6g.* Cham: Springer. Open Access EB
4)	Morais, Douglas H (2020). K*ey 5g physical layer technologies: enabling mobile and fixed wireless access.* Cham: Springer. Open Access EB
5)	Wang, Xiaofei (Ed.)… (et al.) (2020). *6GN for future wireless networks: third EAI International Conference, 6GN 2020, Tianjin, China, August 15-16, 2020, Proceedings.* Cham: Springer. Open Access EB
6)	Boumerdassi, Selma (Ed.) Renault, Éric (Ed.) Mühlethaler, Paul (Ed.) (2020). *Machine learning for networking: second IFIP TC 6 International Conference, MLN 2019, Paris, France, December 3-5, 2019, revised selected papers.* Cham: Springer. Open Access EB
7)	China Info & Comm Tech Grp Corp (2020). *industrial internet: research on the development of electronic information engineering technology in China*. Singapore: Springer. Open Access EB
8)	Iannacci, Jacopo (2017). *RF-MEMS technology for high-performance passives: the challenge of 5G mobile applications.* Bristol: IOP Publishing. Open Access EB
9)	Langer, Arthur M. (2020). *Analysis and design of next-generation software architectures: 5g, IoT, blockchain, and quantum computing*. Cham: Springer. Open Access EB
10)	Le-Ngoc, Tho and Dalili Shoaei, Atoosa (2020). *Learning-based reconfigurable multiple access schemes for virtualized MTC networks*. Cham: Springer. Open Access EB

11)	Lyu, Feng, Li, Minglu and Shen, Xuemin (2020). *Vehicular networking for road safety*. Cham: Springer. Open Access EB
12)	Maglogiannis, Ilias (Ed.) Iliadis, Lazaros (Ed.) Pimenidis, Elias (Ed.) (2021). *Artificial intelligence applications and innovations. AIAI 2020 IFIP WG 12.5 International Workshops: MHDW 2020 and 5G-PINE 2020, Neos Marmaras, Greece, June 5-7, 2020, Proceedings.* Cham: Springer. Open Access EB
13)	Peterson, Larry and Sunay, Oğuz (2021). *5G mobile networks: a systems approach.* Cham: Springer. Open Access EB
14)	Shen, Xuemin (Sherman) (Ed.) Lin, Xiaodong (Ed.) Zhang, Kuan (Ed.) (2020). *Encyclopedia of wireless networks.* Cham: Springer. Open Access EB
15)	Shen, Xuemin (Sherman) (Ed.) Lin, Xiaodong (Ed.) Zhang, Kuan (Ed.) (2018). *Encyclopedia of wireless networks*. Cham: Springer. Open Access EB
16)	Tzanakaki, Anna (Ed.) …(et al.) (2020). *Optical network design and modeling: 23rd IFIP WG 6.10 International conference, ONDM 2019, Athens, Greece, May 13-16, 2019, Proceedings.* Cham: Springer. Open Access EB
17)	Wang, Xiwen and Gao, Longxiang (2020). *When 5G meets industry 4.0.* Singapore: Springer. Open Access EB
18)	Wu, Zi-Yang… (et al.) (2021). *Efficient integration of 5g and beyond heterogeneous networks*. Singapore: Springer. Open Access EB

Updated by Central Library

on 27/02/2026