

## **Education:**

- CAS-TWAS President Fellowship Awardee
- IEEE Member (5 Years): 91250389

Ph.D (Wireless Communication)  
School of Information Science and Technology  
University of Science and Technology of China

Master (Information and Communication technology)  
School of Information and Communication  
Nanjing University of Aeronautics & Astronautics (China)

BS (Hons) (Communication Systems)  
HU, Lahore, Pakistan

## **Experience:**

### **Assistant Professor**

#### **Incharge Research and Development**

(02/2022 till Now)

Department of Computer Science and Engineering  
NUML, Multan, Pakistan

### **CEO/Managing Director** (Since 11/2019)

Center to Advance Level Research and Development (SMC-PVT) LTD  
Pakistan

### **Visiting Assistant Professor** (02/2019 till 02/2022)

Department of Computer Science & Information Technology  
MNS University of Agriculture Multan, Pakistan

### **Visiting Lecturer** (02/2019 till 08/2019)

Department of Electrical Technology  
Punjab Tianjin University of Technology, Lahore, Pakistan

### **Project Control Manager** (08/2018 till 10/2019)

Network Technology Department  
Huawei Technologies, Shenzhen, China

### **Technical Support Engineer** (11/2013 till 06/2014)

International Sales and Support Department  
ETROSS Telecom (Hong Kong), Shenzhen, China

## Publications

### Books

- ❖ Digital Logic Design for Computer Science  
ISBN: ( 9786277586010 )

### Peer Review Journal Publications

- ❖ Rao, S., Wang, H., Kashif, R., & Rao, F. (2021). Robust optical flow estimation to enhance behavioral research on ants. *Digital Signal Processing*, 103284. **(IF: 3.3)**
- ❖ John Famoriji, O., Yan, X., Khan, M., Kashif, R., Fadamiro, A., Ali, M. S., & Lin, F. (2017). Wireless Interconnect in Multilayer Chip-Area-Networks for Future Multimaterial High-Speed Systems Design. *Wireless Communications and Mobile Computing*, 2017. **(IF:2.3)**
- ❖ Rao Kashif, Fujiang Lin, Oluwole John Famoriji, and Shahzad Haider. An Architecture Design of Auto Channel Switching Unit for Hybrid Visible Light Communication System. *Journal of Communications*, 2021 (Scopus)
- ❖ R. Kashif, F. Lin, and O. John, "Modeling of High Speed Free Space Optics System to Maintain Signal Integrity in Different Weather Conditions ; System Level," *Int. J. Adv. Comput. Sci. Appl.*, vol. 8, no. 3, pp. 45–48, 2017. (WoS)
- ❖ Kashif, R., Famoriji, O. J., & Lin, F. (2017). Design and Modeling of S Band Circular Patch and Ka Band Horn Antenna, Integration with Future Multifunctional Radio over Fiber Network. *Open Journal of Antennas and Propagation*, 5(3), 121-131. (WoS)
- ❖ Kashif, R., Famoriji, O. J., & Lin, F. (2017). Radio over Fiber System Level Performance Analysis, Maintaining Signal Integrity. *Journal of Computer and Communications*, 5(13), 1-8. (WOS)

### IEEE Flagship Conference Publications

Kashif, R., & Lin, F. (2015, December). Signal integrity problems in electronic designing. In *2015 Asia-Pacific Microwave Conference (APMC)* (Vol. 2, pp. 1-3). IEEE.

Kashif, R., Famoriji, O. J., & Lin, F. (2016, October). Equalization techniques to ensure signal integrity in high speed serial and optical design. In *2016 IEEE International Conference on Ubiquitous Wireless Broadband (ICUWB)* (pp. 1-3). IEEE.

Kashif, R., Memon, M. H., & Lin, F. (2018, May). Digital Coherent Radio Over Fiber Based Backhaul System for Indoor Wireless Communication. In *2018 International Conference on Microwave and Millimeter Wave Technology (ICMMT)* (pp. 1-3). IEEE.

Rao Kashif, M. H. M. and L. F. "Digital Coherent Radio over Fiber Based Backhaul System for Indoor Wireless Communication," in 10th International conference on Microwave and millimeterwave technology, ICMMT 2018.

## **Area of Interest**

Dr. Rao Kashif's main area of interest is Wireless system designing. He is particularly interested in developing hybrid communication and smart systems. His other interests include 7G system and network design, Radio over fiber, Wireless optical communication, and Surveillance systems.

- Wireless System Designing
- IT/Technical Project Management
- Entrepreneurship

Master/Ph.D. researchers from the above research area can send proposals for external collaboration.