Book Series: Decentralized Systems and Next Generation Internet

Book Title: Decentralized Systems and Distributed Computing: An Introduction to the Next-Generation Internet

Book Editors:

Ms. Sandhya Avasthi
Assistant Professor, Computer Science and Engineering Department, ABES Engineering College, Ghaziabad, India.

Dr. Suman Lata Tripathi
Professor, VLSI Design, School of Electronics and Electrical Engineering, Lovely Professional University, Punjab, India

Dr. Namrata Dhanda
Professor, Amity School of Engineering and Technology, Amity University, Lucknow Campus, Uttar Pradesh, India

Dr. Satya Bhushan Verma
Associate Professor, Department of Computer Science and Engineering, Shri Ramswaroop Memorial University, Barabanki, UP, India

The use of distributed systems is a big step forward in IT and computer science. As the number of tasks that depend on each other grows, a single machine can no longer handle all of them. But distributed computing is better than traditional computer settings in several ways. Distributed systems reduce the risks of a single point of failure, making them more reliable and able to handle mistakes. Most modern distributed systems are made to be scalable, which means that processing power can be added on the fly to improve performance. The Internet of the future is meant to give us freedom, give us choices, encourage diversity and decentralization, and make it easier for people to be creative and do research. This book will look at the different aspects of the next-generation internet, distributed systems, distributed computing, and their effects on society as a whole. By making the internet more three-dimensional and immersive, the metaverse could introduce more ways to use it. Some people have expressed negative things about the metaverse, and there is much uncertainty regarding its future.

All the Book Chapter should be submitted through

Email: sandhya_avasthi@yahoo.com
Email: tripathisumanlata78@gmail.com

Scrivener WILEY ONLINE LIBRARY WILEY

Tentative Area of Invited chapter Proposal under this book:

- ✓ Introduction to next generation internet and distributes systems
- ✓ Artificial intelligence in next generation distributed systems
- ✓ The amalgamation of internet technology and distributed systems
- ✓ Convergence of mobile edge computing
- ✓ Distributed computing and next generation internet
- ✓ Architecture of blockchain enabled decentralized systems
- ✓ Mobile Edge computing in decentralized systems
- ✓ Next generation distributed computing for cancer research
- ✓ Decentralized systems for manufacturing sector
- ✓ Decentralized systems in education and research
- ✓ Augmented reality and federated learning with decentralized systems
- ✓ Future of mental health using decentralized systems
- ✓ 5G technology for decentralized systems

Timeline

Chapter Proposal submission **by 25th^h February-2023**
Notification to proposal acceptance **by 5th March' 2023**
Full Chapter Submission **by 31st March' 2023**
Notification to full chapter acceptance **by 15th April' 2023**