

Title of the contribution

Name of author, co-authors, institution, email-address

Content of the proposed chapter

The content should be written according to the IEEE format, including, tables, figures, equations and references. Please note the following:

1. The abstract should not exceed four pages.
2. Only important mathematical formulations, main results and outcome should be included.
3. The references should be recent not more than six in numbers.
4. Please avoid overcrowding the abstract.

How the contribution fits into the book

Please write in three to four lines by clearly mentioning your chapter scope in any one of the following topics:

- Mathematical Foundations of AI Techniques in Healthcare
- AI for Multimodal Data
- Big Data Analytics in Healthcare: Challenges and Solutions
- Advanced Signal Processing Techniques for Biomedical Applications
- Deep Learning for Medical Image Analysis
- Natural Language Processing for Healthcare Text Data
- Hybrid Computational Models in Healthcare
- Explainable AI for Healthcare: Mathematical Perspectives
- Federated Learning for Privacy-Enhanced Healthcare AI
- Edge AI for Real-Time Healthcare Applications
- AI-driven Mathematical Models for Precision Medicine
- IoT and AI in Healthcare: Creating Connected Solutions
- Deep Reinforcement Learning in Healthcare Operations
- Ethical AI Practices in Healthcare

- Future Trends in AI-Driven Healthcare