## 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

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