

Topics of interest for submission include, but are not limited to:

Biomedical Signal Processing

- Bioelectric signal (EEG/ECG/EMG/EKG/ERG)
- Biomagnetic signal (MCG/MEG)
- Biochemical signal
- Biomechanical signal
- Bioacoustic signal
- Bio-signal processing and analysis
- Machine learning for biosignal processing
- Bioinstrumentation and biosensors
- Health monitoring systems and wearable system
- Biomedical signal detection and acquisition
- Digital filter
- Spectrum analysis of biomedical signals
- Biomedical signal compression technology
- Medical application of signal averaging Technology
- Amplifier and A/D Conversion
- Medical signal and image transmission
- Machine learning for signal processing

Biomedical Imaging and Image Processing

- Medical image analysis
- MR image reconstruction
- CT image reconstruction, radiomics
- Biomedical imaging, image processing & visualization
- Image measurement and acquisition
- Molecular imaging
- Segmentation and 3D visualization
- Image segmentation
- Image registration
- Image reconstruction and enhancement
- Image matching
- Feature extraction
- Image detection and recognition
- Shape analysis
- Machine learning
- Deep learning
- Hardware (FPGA/DSP/IC) for image processing and machine learning

Other Related Topics

- Bioinformatics
- Biostatics
- Biometric

- Biomechanics
- Biomathematics
- Biophysics
- Biomedical robotics and mechanics
- Medical big data