

## 2015 Keywords

Category	Keyword
<b>Paper Type</b>	
	Regular - 4 page paper
	Regular - 1 page data paper
	Special Session - 4 page paper
	Special Session - 1 page abstract
<b>Imaging modalities</b>	
	Angiographic imaging
	Bioluminescence tomography
	Diffusion weighted imaging
	Computed tomography (CT)
	Elastography imaging
	EEG & MEG
	Electrophysical imaging
	Electrical impedance tomography
	Endoscopy
	Fluorescence tomography
	Functional imaging (e.g. fMRI)
	Histopathology imaging (e.g. whole slide imaging)
	Holography
	Infrared imaging
	Magnetic resonance imaging (MRI)
	Magnetic resonance spectroscopy
	Microarrays
	Microscopy - confocal
	Microscopy - electron
	Microscopy - Fluorescence
	Microscopy - Light
	Microscopy - Intravital
	Microscopy - Multi-photon
	Microscopy - Super-resolution
	Microwave
	Multi- and Hyper-spectral imaging
	Nuclear imaging (e.g. PET, SPECT)
	Optical coherence tomography
	Optoacoustic/photoacoustic imaging
	Perfusion imaging

	Retinal imaging	
	Thermal imaging	
	Ultrasound	
	Viscoelasticity imaging	
	X-ray imaging	
	Other-modality	
<b>Object of interest</b>		
	Abdomen	
	Animal models and imaging	
	Bone	
	Brain	
	Breast	
	Cells & molecules	
	Cervix	
	Eye	
	Fetus	
	Gastrointestinal tract	
	Genes	
	Heart	
	High-content (high-throughput) screening	
	In-vivo cellular and molecular imaging	
	Inner ear	
	Kidney	
	Liver	
	Lung	
	Molecular and cellular screening	
	Muscle	
	Multicellular organism	
	Nerves	
	Prostate	
	Radiation therapy, planing and treatment	
	Small animals	
	Single cell & molecule detection	
	Skin	
	Spine	
	Tissue	
	Thyroid	
	Tooth	

	Vessels	
	Whole-body	
	Other-object	
<b>General methodology</b>		
	Atlases	
	Blind source separation & Dictionary learning	
	Classification	
	Computer-aided detection and diagnosis (CAD)	
	Compressive sensing & sampling	
	Computational Imaging	
	Contrast agent quantification	
	Connectivity analysis	
	Deconvolution	
	Data Mining	
	Dimensionality reduction	
	Elasticity measures	
	fMRI analysis	
	Graphical models & methods	
	Image acquisition	
	Image archiving	
	Image compression	
	Image enhancement/restoration(noise and artifact reduction)	
	image filtering (e.g. mathematical morphology, wavelets,...)	
	Image-guided treatment	
	Image quality assessment	
	Image reconstruction - analytical & iterative methods	
	Image registration	
	Image segmentation	
	Image synthesis	
	Integration of multiscale information	
	Inverse methods	
	Machine learning	
	Medical robotics	
	Modeling - Anatomical, physiological and pathological	
	Modeling - Image formation	
	Modeling - Knowledge	
	Motion compensation and analysis	
	Multi-modality fusion	

	Optimization method	
	Parallel computing	
	Pattern recognition and classification	
	Population analysis	
	Probabilistic and statistical models & methods	
	Quantification and estimation	
	ROC analysis	
	Shape analysis	
	Stereoscopy	
	Surgical guidance/navigation	
	Tracking (time series analysis)	
	Tractography	
	Validation	
	Visualization	
	Virtual/augmented reality	
	Other-method	







