

**Special Issue on**  
**Machine Learning for Medical Imaging**  
**Call for Papers (Submission Due: Jan 15, 2020)**

Medical Imaging is now facing a big intelligent change due to the breakthrough of artificial intelligence technology. Many difficulties in medical imaging tasks are being overcome with the help of the recently advanced machine learning and deep learning approaches.

This special issue focuses on the latest development of learning-based medical imaging techniques and the subsequent analysis, which includes medical image acquisition, reconstruction, detection, segmentation, medical diagnosis, and related tasks. This latest technological development will be shared through this special issue among various researchers who are involved with medical imaging. New types of applications and reviews are also welcome. More detailed potential topics include, but are not limited to:

- ☐ Machine learning for medical imaging
- ☐ Magnetic resonance imaging
- ☐ X-rays
- ☐ Computed tomography
- ☐ Nuclear medicine
- ☐ Ultrasound
- ☐ Image acquisition and reconstruction
- ☐ De-noising
- ☐ Artifact removal
- ☐ Detection
- ☐ Segmentation
- ☐ Treatment planning
- ☐ Diagnosis
- ☐ Deep Learning

Before submission authors should carefully read over the journal's Author Guidelines, which are located at <https://www.springer.com/engineering/biomedical+engineering/journal/13534>.

Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at <https://www.editorialmanager.com/bmel> according to the following timetable:

Manuscript submission open:	Dec 15, 2019
Manuscript submission due:	Jan 15, 2020
Acceptance/rejection notification:	Feb 15, 2020
Revised manuscripts due:	Mar 15, 2020
Publication:	May 2020 (Tentative)

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