**IEEE Transactions on Pattern Analysis and Machine Intelligence**

**Call for Papers**

**Special Issue on Fine-Grained Visual Categorization**

With the techniques for standard supervised image classification becoming increasingly practical, fine-grained image categorization where images are classified into subordinate categories, have recently attracted a lot of attention and become an important task in computer vision. Examples of fine-grained visual categorization include but are not limited to recognizing, e.g., detailed animal species, specific sub-groups of plants, and car makers and models. This special issue targets researchers and practitioners from both industry and academia to provide a forum in which to publish recent state-of-the-art achievements in the fine-grained image recognition area. Topics of interest include, but are not limited to:

* Fine-grained image recognition and categorization
* Fine-grained vehicle categorization and verification
* Visual logo detection, categorization and verification
* Person re-identification
* Vehicle re-identification
* Fashion image recognition, search and attribute prediction
* Fine-grained food recognition and ingredient analysis
* Transfer-learning from categories to subcategories
* Part-based models for fine-grained categorization
* Attribute-based models for fine-grained feature learning
* Ontology-based fine-grained visual categorization
* Fine-grained categorization with human in the loop
* Fine-grained categorization in the wild by domain adaptation
* Multi-modal data for fine-grained categorization
* Novel benchmark data
* Novel annotation, crowdsourcing approaches and tools for fine-grained data labeling

# Important Dates

* **Paper submission due: August 31, 2018** (<https://mc.manuscriptcentral.com/tpami-cs>)
* Revision: January 31, 2019
* Final decision: Aril 15, 2019
* Publication date: July 2019 (Tentative)

# Guest Editors

[Jingdong Wang](https://jingdongwang2017.github.io/), Microsoft Research, Beijing, China

[Zhuowen Tu](http://pages.ucsd.edu/~ztu/), University of California, San Diego, US

[Jianlong Fu](https://www.microsoft.com/en-us/research/people/jianf/), Microsoft Research, Beijing, China

[Nicu Sebe](http://disi.unitn.it/~sebe), University of Trento, Italy

[Serge Belongie](https://vision.cornell.edu/se3/people/serge-belongie/), Cornell University & Cornell Tech, US

Contact email: [jianf@microsoft.com](mailto:jianf@microsoft.com), [jingdw@microsoft.com](mailto:jingdw@microsoft.com)