



**IEEE IVMSP Workshop 2018**  
**10-12 June 2018 Zagori, Aristi Village, Greece**



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The 2018 IEEE Image, Video, and Multidimensional Signal Processing (IVMSP) Workshop is the 13<sup>th</sup> of a series of unique meetings that bring together researchers in academia and industry to share the most recent and exciting advances in image, video, and multidimensional signal processing and analysis. The main themes of the 2018 IVMSP Workshop are **Big Data, Social Media and Computational Imaging**.

The scientific program of IVMSP 2018 will include plenary talks, regular and special sessions. We welcome contributions within the three main themes, as well as at their intersection, e.g. use of imagery from social networks for learning models for image reconstruction tasks.

**Big Data**

- Deep learning methods for large scale multimedia
- Multimedia big data processing, analysis and retrieval
- Distributed solutions and architectures for big multimedia
- Convergence between Internet of Things, wearables and social media
- Big Data applications (summarization, surveillance, mobile, etc)

**Social Media**

- Social media data collection, filtering, and indexing
- Social media data representation and understanding
- User profiling, collective behavior and privacy aspects of social media
- Monitoring, sensing and prediction in social signals
- Detection, analysis and verification of emergent events

**Computational Imaging**

- Image models, sparse, low rank, and statistical models
- Image formation, model based inversion, image fusion, and optimization-based methods
- Computational imaging systems, computational photography and microscopy, medical and radar imaging
- Hardware and software for computational imaging, embedded systems, big data, and non-traditional sensors

**PAPER SUBMISSION**

Papers cannot be longer than 5 pages (double-column IEEE conference format), including all text, figures, tables, references, etc. The 5th page is available for references only. See the website for additional information regarding the submission process: [www.ivmsp2018.org](http://www.ivmsp2018.org).

**BEST STUDENT PAPER AWARDS**

The IVMSP Best Student Paper Awards will be granted to the first, second and third best overall papers for which a student is the principal author and presenter. The selection will be based on the technical quality, originality, and clarity of the submission.

**IMPORTANT DATES**

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|---------------------------------|------------------|
| • Submission of full papers     | January 30, 2018 |
| • Notification of acceptance    | March 28, 2018   |
| • Author advance registration   | April 26, 2018   |
| • Camera-ready paper submission | April 26, 2018   |