



Call for Papers

14th International Conference on Mass Data Analysis of Images and Signals

***mda* 2019**

with Applications in Medicine, r/g/b Biotechnology, Food Industries and Dietetics, Biometry and Security, Agriculture, Drug Discover, and System Biology

July 13 – 16, 2019, New York / USA

Chair: Prof. Dr. Petra Perner


Institute of Computer Vision and applied Computer Sciences, IBAI Leipzig/Germany

Aim of the Conference

The International Conference on Mass Data Analysis of Images and Signals MDA with Applications in Medicine, r/g/b Biotechnology, Food Industries and Dietetics, Biometry, Agriculture, Drug Discovery, and System Biology is held on yearly basis. The topics of the conference are not limited. The list of topics above only shows the high-lights of nowadays topics with the emphasis of encouraging to direct new arising. It can be presented any work on signal and image analysis that shows how real world applications can be solved by applying new ground breaking methods for signal and image analysis. The aim of the conference is to bring together researchers from all over the world who deal with the automatic analysis of images and signals in medicine, biotechnology, System Biology, chemistry, biometry, drug discovery and information robots in order to discuss the recent status of the research and to direct further developments. Basic research papers as well as application papers are welcome.

Program Committee

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|----------------------|---|
| Josef Bigun | Halmstad University, Sweden |
| Valentin Brimkov | Buffalo State College, USA |
| Calin Ciufundean | Stefan cel Mare University, Romania |
| Kamil Dimililer | Near East University, Turkey |
| Andres Gago-Alonso | Advanced Technologies Application Centre (CENATAV), Cuba |
| Daniela Georgi | ISTI-CNR, Italy |
| William Grosky | University of Michigan, USA |
| Nicolas Jouandeau | University de Vincennes - Paris 8 UP8 , France |
| Tuan Pham | Intelligent Systems Lab Amsterdam (ISLA), The Netherlands |
| Jose Ruiz-Shulcloper | Universidad de las Ciencias Informáticas (UCI),Cuba |
| Rainer Schmidt | University of Rostock, Germany |
| Bjoern Schuller | University of Augsburg, Germany / Imperial College London, United Kingdom |
| Dorra Sellami | ENIS, Tunisia |
| Dong Si | University of Washington Bothell, USA |
| Paolo Soda | University Campus Bio-Medico di Roma, Italy |
| Nasseh Tabrizi | East Carolina University, USA |
| Joe Tekli | Lebanese American University, Lebanon |
| Massimo Tistarelli | University of Sassari, Italy |
| Simon Warfield | Harvard University, USA |



Richard Wilson
Kokou Yetongnon
Yasemin Yardim

University of York, United Kingdom
University of Bourgogne, France
Middle East Technical University, Turkey

The goals of this conference are to:

- provide a forum for identifying important contributions and opportunities for research on mass data analysis on microscopic images,
- promote the systematic study of how to apply automatic image analysis and interpretation procedures to that field
- show case applications of mass data analysis in biology, medicine, and chemistry.

Important Dates

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|---------------------------------------|---|
| Deadline for paper submission: | February 15th, 2019 (11:59 pm CET) |
| Notification of acceptance: | April 18th, 2019 (11:59 pm CET) |
| Submission of camera-ready copy: | May 5th, 2019 (11:59 pm CET) |

Topics

of interest include (but are not limited to):

- Applications in Medicine, r/g/b Biotechnology, Food Industries and Dietetics, Biometry and Agriculture
- Techniques and developments of signal and image producing procedures
- Object matching and object tracking in microscopic and video microscopic images
- 1D, 2D and 3D shape analysis and description
- 1D, 2D and 3D feature extraction of texture, structure and location
- Algorithms for 1D, 2D and 3D signal analysis and interpretation
- Image segmentation algorithms
- Parallelization of image analysis and interpretation algorithms
- Semantic tagging of microscopic images
- Applications in medicine, biotechnology, chemistry and others
- Applications in crystallography
- Applications in proteomics
- Applications in 2D and 3D cell images analysis
- Image Acquisition procedures for mass data analysis
- Methods and solutions for biometrical systems (Face-, Iris and Fingerprint Recognition)
- Recognition methods for moving objects (face, iris, body)
- Methods for data encryption (e.g. cryptographic methods, watermarking)

Papers

Papers will be submitted via online reviewing systems. Please submit the electronic version of your camera-ready paper through the conference management system (<http://www.mda-signals.de/cms/>). If you have any problems with the system please do not hesitate to contact info@mda-signals.de.

Papers must be formatted in the Springer LNCS format. They should have at most 15 pages. Papers will be reviewed by the program committee. Accepted papers will appear in the proceedings book "Advances in Mass Data Analysis of Images and Signals in Medicine, Biotechnology, Chemistry and Food Industry" published by ibai-publishing Prof. Dr. Petra Perner. Extended versions of selected papers will be published in a special issue of an international journal after the conference.





Tutorials

(www.mda-signals.de/tutorials.php)

Data Mining Tutorial

Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBAI,
July 14, 2019, New York/ USA
www.mldm.de/t_dm.php

Case-Based Reasoning Tutorial

July 13th, 2019, New York/ USA
Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBAI,
www.mldm.de/t_cbr.php

Tutorial Standardization in Immunofluorescence

July 6st, 2019 New York, USA,

Intelligent Image Interpretation and Computer Vision in Medicine, Biotechnology, Chemistry & Food Industry

July 9th, 2019, New York/ USA
Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBAI,
www.mldm.de/w_pattern_recognition.php

Workshops

(www.mda-signals.de/workshops.php)

International Workshop on Data Mining in Marketing DMM 2019

July 12, 2019, New York/ USA
Workshop Chair: Petra Perner, Institute of Computer Vision and applied Computer Sciences, IBAI, Germany
www.data-mining-forum.de/w_marketing.php

International Workshop Case-Based Reasoning CBR-MD 2019

July 12, 2019, New York/USA,
Workshop Chair: Petra Perner, Institute of Computer Vision and applied Computer Sciences, IBAI, Germany
www.data-mining-forum.de/w_casebased.php

International Workshop Advanced Internet of Things for Medicine and Others - IoTMO 2018

July 12, 2019, New York, USA
Workshop Chair: Calin Ciufudean, "Stefan cel Mare" University, Romania
http://www.data-mining-forum.de/w_b2ml.php

International Workshop on Multimedia Forensic Data Analysis Forensic' 2019

July 12, 2019, New York, USA
Workshop Chair: Petra Perner, Institute of Computer Vision and applied Computer Sciences, IBAI, Germany
http://www.data-mining-forum.de/w_forensic.php

Exhibition

(www.iedaexhibition.de)

18th Industrial Exhibition on Intelligent Data and Image Analysis IEDA 2019

July 13-14, 2016, New York/ USA
We like to invite you to present your company or publishing house at the Industrial Exhibition ieda 2019

