

# MADiMa2015

1<sup>st</sup> International Workshop on Multimedia Assisted Dietary Management  
In conjunction with the 18<sup>th</sup> International Conference on Image Analysis and Processing  
Genova, Italy, September 8<sup>th</sup> 2015

## Workshop chair

**Stavroula Mougiakakou**  
University of Bern, Switzerland

**Giovani Maria Farinella**  
University of Catania, Italy

**Keiji Yanai**  
The University of Electro-Communications, Tokyo, Japan

## Invited speakers

**Prof. Edward Sazonov**  
University of Alabama, USA

**Dr. Gerald Cultot**  
Research Programme Officer -  
European Commission

## Program committee

**Kiyoharu Aizawa**  
University of Tokyo, Japan

**Oliver Amft**  
University of Passau, Germany

**Marios Anthimopoulos**  
University of Bern, Switzerland

**Andreas Arens**  
Luxembourg Institute of Science and  
Technology, Luxemburg

**Sebastiano Battiato**  
University of Catania, Italy

**Edward J. Delp**  
Purdue University, USA

**Ajay Divakaran**  
SRI, USA

**David Duke**  
ROCHE Diagnostics Inc, USA

**Patrick Olivier**  
Newcastle University, UK

**Vikas Ramachandra**  
Qualcomm, USA

**Sergey Shevchik**  
EMPA, Switzerland

**Jindong Tan**  
University of Tennessee, USA

## 1st call for papers

The main scope of MADiMa2015 is to bring together researchers from the diverse fields of engineering, computer science and nutrition who investigate the use of information and communication technologies for the better monitoring and management of food intake. The combined use of multimedia, machine learning algorithms, ubiquitous computing and mobile technologies permit the development of applications and systems able to monitor the dietary behavior, analyze food intake, identify eating patterns and provide feedback to the user towards healthier nutrition. The researchers will present their latest progress and discuss novel ideas in the field. Besides the technologies used, emphasis will be given to the precise problem definition, the available nutritional databases, the need for benchmarking multimedia databases of packed and unpacked food and the evaluation protocols.

Topics of interest include (but are not limited to) the following:

- Ubiquitous and mobile computing for dietary assessment
- Computer vision for food detection, segmentation and recognition
- 3D reconstruction for food portion estimation
- Augmented reality for food portion estimation
- Wearable sensors for food intake detection
- Computerized food composition (nutrients, allergens) analysis
- Multimedia technologies for eating monitoring
- Smartphone technologies for dietary behavioral patterns
- Food multimedia databases
- Evaluation protocols of dietary management systems
- Multimedia assisted self-management of health and disease.

## Papers submission

The submissions should contain original, high quality not submitted or published elsewhere. Papers should be submitted following the SPRINGER LNCS format with a maximum of 8 pages.

## Important dates

<b>Full paper submission:</b>	May 18 <sup>th</sup> , 2015
<b>Notification of acceptance:</b>	June 15 <sup>th</sup> , 2015
<b>Camera ready paper submission:</b>	June 29 <sup>th</sup> , 2015
<b>Workshop date:</b>	September 8 <sup>th</sup> , 2015

**Submission instructions and further information:** [www.madima.org](http://www.madima.org)