## DATASET LICENCE AGREEMENT

The Aristotle University of Thessaloniki (hereinafter, **AUTH**) created the **MOBISERV-AIIA dataset** (hereinafter, the **dataset**) within the context of the project MOBISERV (“An Integrated Intelligent Home Environment for the Provision of Health, Nutrition and Mobility Services to the Elderly”) that was funded by the European Commission-ICT for inclusion (H3) [Collaborative European Project MOBISERV; Grant Agreement No FP7-ICT-248434; start date: 01/12/2009; end date: 31/08/2013].

General description of the dataset**:** The dataset was created to study eating and drinking behaviour of individuals to suggest and implement approaches to manage nutrition problems with non-invasive technological means. It can be used to evaluate algorithms aimed at nutrition assistance exploiting multi-view information. The dataset is annotated in a frame base according to the structure of a template text file (.txt). For videos recorded using the frontal camera, the starting and ending video frame numbers of each elementary movement are provided. The text files used to synchronize the video recordings from the four different camera views are included in the annotation file set. By using the information concerning the elementary movements, action videos depicting one elementary movement each, e.g., an eating instance, can easily be created.

Overview of the dataset: Meal intake procedure was captured in a controlled laboratory environment using 4 Sony XCD-V60CR digital video cameras positioned such as to capture the participants frontal, upper frontal, 45° and profile view. An instance of each camera viewing angle is shown in figure. All sequences were recorded at a resolution of 640x480 pixels, at a frame rate of 15 frames per second and were saved in avi format. In the recordings 12 persons (6 females and 6 males) participated with Caucasian origin aging between 22 and 39 years old with different facial characteristics (eye glasses, beard etc.). Each person participated in 4 distinct meal in take sessions and two videos for each one session were recorded: one depicting the participant wearing a blouse or a shirt with long sleeves and one wearing a t-shirt or a blouse with short sleeves. In total, 8 videos are available for each person for each session. This results in a database consisted of 384 video sequences.

Annotation: Along with the recorded videos, two annotation txt files are available for each session. The first txt file refers to the frontal view video and annotates the human performed movement per video frame during meal intake procedure. The movement types are described in the 'annotation.doc' file that accompanies the txt files. The second txt file contains information for the synchronizarion of all video files with respect to the frontal view video file. The 4 numbers written in a column form define the difference in frames between a specific frame in the video captured by the frontal view camera and the videos captured by the other cameras in the following order: frontal camera, 45° camera, profile camera, upper frontal camera.

**More details and full description of the dataset are available in this paper:** [**A.Iosifidis**](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=518)**, [E.Marami](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=520), [A.Tefas](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=25), [I.Pitas](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=75) and [K.Lyroudia](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=79), "**[**The MOBISERV-AIIA Eating and Drinking multi-view database for vision-based assisted living"**](http://aiia.csd.auth.gr/wp-content/uploads/papers/PUBLISHED/JOURNAL/pdf/2014/JIHMSP_2014.pdf)**,*Journal of Information Hiding and Multimedia Signal Processing*, pp. 254-273, 2015**.

To advance research in the relevant field, AUTH made the dataset publicly available for research purposes via the [AIIA lab](https://aiia.csd.auth.gr/). All requests for access to/use of the dataset must be submitted in writing by researchers. To receive a copy of the dataset, the researcher (hereinafter, the **Signatory**) must agree to the conditions below and sign this document. The dataset can be downloaded upon receipt of the signed document.

Whereas the Signatory desires to access/use the dataset for own research purposes, at her/his sole risk and at no expense of AUTH, she/he agrees on the following:

1. The dataset will not be distributed, published, copied, disseminated, made available or otherwise communicated by the Signatory in any way or form whatsoever, whether for profit or not. This includes distributing, copying, disseminating, making available or otherwise communicating to any party in its original or any modified version and by any means. The Signatory must not grant anyone access to the dataset by giving out his/her username and password.

2. The Signatory may only use the dataset after this Licence Agreement has been signed and returned to AUTH.

3. The names of natural persons referred to in the dataset must not be released. The Signatory agrees not to disclose the names or other personal data related to the natural persons referred to in the dataset and not to connect the data with the names or other personal data, if he/she receives this information through another source.

4. The dataset is solely released for research purposes. The Signatory must not use the original data or modified copies for commercial purposes or goals other than research or provide this dataset to for-profit companies or any other entity (including non-profit entities).

5. The whole procedure to download this dataset from the corresponding server is free of charge. For any other method of shipping and handling of this dataset, the Signatory will be charged and the relevant procedure should be arranged via e-mail.

6. AUTHmakes no claim that the dataset encompasses all data collected prior to/during/after or associated with the MOBISERV project. AUTH reserves the right to change the type, format, structure or other elements of the dataset.

7. This dataset was formatted with a reasonable standard of care, but AUTH makes no warranties express or implied, including no warranty of merchantability or fitness for a particular purpose, regarding accuracy or completeness of the data or that data are free of errors.

8. The Signatory agrees to provide specific information to AUTH regarding how this dataset will be used, the users and usage of any application containing this dataset, any difficulties encountered in using this dataset and changes or enhancements to this dataset that would make it more useful to the Signatory. In case of changes or enhancements, the Signatory agrees to send the new version to AUTH and allow AUTH to make this new version available to researchers. In such a case, credit for the changes or enhancements will be acknowledged to the Signatory in the relevant web page referring/linking to this dataset.

9. All documents and publications that report research on or (directly/indirectly) linked to this dataset must mention the source of the data as ‘MOBISERV dataset’, include the website link to this source at the relevant AUTH server as well as **cite the following paper:** [**A.Iosifidis**](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=518)**, [E.Marami](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=520), [A.Tefas](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=25), [I.Pitas](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=75) and [K.Lyroudia](https://aiia.csd.auth.gr/publications/journals/?paperAuthor=79), "**[**The MOBISERV-AIIA Eating and Drinking multi-view database for vision-based assisted living"**](http://aiia.csd.auth.gr/wp-content/uploads/papers/PUBLISHED/JOURNAL/pdf/2014/JIHMSP_2014.pdf)**,*Journal of Information Hiding and Multimedia Signal Processing*, pp. 254-273, 2015.** Publications include any type of communication to the public (e.g., open access-papers or conference-presentations) and any type of communication to large or small (e.g., restricted) audiences (e.g., in-class-presentations for educational purposes).

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11. AUTH reserves all Intellectual Property rights in any version of the dataset in any format and medium.

12. The duration of this dataset licence agreement is one year (starting from the day of receipt by AUTH of this document in signed form). Duration of this agreement can solely be extended in writing (in signed form).

Full Name of Signatory:

Title:

Institution:

Address:

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Date:

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