

Call for Contributions for

Submission:

1. **Inform the Chair:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=AMBIENT+2018+Special>

Please select Track Preference as **AMALCO**

Special track

AMALCO: Ambient Environments for Assisted Living and Virtual Coaching

Chair and Organizer

Dipl.-Ing. Dr. Kropf Johannes, AIT - Austrian Institute of Technology, Vienna, Austria

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along with

AMBIENT 2018, The Eighth International Conference on Ambient Computing, Applications, Services and Technologies

<http://www.iaria.org/conferences2018/AMBIENT18.html>

November 18 - 22, 2018 - Athens, Greece

The dramatic demographic changes across the globe increase the need for development of new Ambient Intelligence (AmI) and assisted living technologies for enhancing the quality of life of the people. A number of active aging initiatives are being developed nowadays to foster healthy habits in the older adults. Among them, virtual coaching has gained a lot of attention and new research area aiming to support patients with chronic diseases; patients after rehabilitation, therefore providing assistance in activities of daily living, motivates to break a sedentary lifestyle and increase social interaction.

Continuous health monitoring in a non-obtrusive way is required for a better health care especially for patients with chronic diseases and patients in rehabilitation. Novel ways of measurement of vital parameters could be integrated in smart home environments, e.g., touchless heartrate monitoring, physical activity level monitoring, stress level etc.

Affective and persuasive computing is essential for an effective virtual coaching, but requires a detailed knowledge of the user's behaviour to perform well. Ambient environments can provide essential information like activities of daily life, emotional state, abnormal behaviours or unsecure situations. Activity recognition by intrusive approaches is opposed to ethical aspects and raises privacy concerns. Therefore, non-intrusive solutions are preferred keeping the privacy of the people preserved.

In order to fulfill these objectives, submissions of substantial, original and previously unpublished work are invited in all areas of Ambient Intelligence and Affective environments.

The topics of interest include, but are not limited to:

- Affective computing
- Activity recognition
- Computational models of emotions
- Context aware computing
- Dialog management
- Emotion recognition
- Human behaviour recognition
- Non-obtrusive health monitoring
- Ubiquitous computing
- Persuasive computing

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission; ~~August 1~~ **October 5**
- Notification: ~~September 1~~ **October 20**
- Registration: ~~September 15~~ **October 30**
- Camera-ready: ~~September 25~~ **October 30**

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

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