



## 8th edition of the JETSAN 2021 Conference

May, 20<sup>th</sup> and 21<sup>st</sup> 2021, IUT of Blagnac

LAAS-CNRS, together with IRIT-CNRS and IUT de Blagnac (Université Toulouse 2 Jean Jaurès), is hosting the 8th edition of the JETSAN 2021 conference on Telehealth at IUT of Blagnac, on May 20<sup>th</sup> and 21<sup>st</sup>, 2021. The theme of this conference will be: "Digital solutions for people's autonomy". The aim is to take stock, through three sessions, of the role and place of artificial intelligence in helping people to become independent, the methodological approaches for observing and evaluating the use of technologies for people with disabilities and the evolution of connected biomedical devices.

This event is open to engineers, researchers, PhD students, health professionals, industrials and more generally to actors involved in the field of telehealth and autonomy. It is accessible to people with motor disabilities.

### Sessions description :

- a) **Artificial Intelligence (AI) and autonomy:** Artificial Intelligence brings promising tools in terms of learning, recognition and personalised decision making for intelligent systems that support autonomy (medical devices, compensation aid, rehabilitation systems, monitoring system for people's well-being, etc.). The aim is to start a discussion around said tools, from both the technical performance and ethical standpoints.
- b) **Pluridisciplinary approaches in the consideration of disability situations:** User-centred design and the study of the uses of digital solutions for disability situations require the implementation of transdisciplinary approaches by placing the user and/or his ecosystem at the heart of these processes. Taking these multidimensional data into account requires a critical analysis of user-centred design methods and observation methods.
- c) **Connected smart devices for monitoring health status:** Biomedical devices can contribute to better monitoring at home, help with care or participate in empowerment. They can also help to break the isolation of certain populations. Where are we today? What are the ethical recommendations on the use of connected devices and the data collected? What are the prospects in this field?

### Bonus:

At the end of the first day of the conference, participants will have the opportunity to discover the Smart Home of Blagnac. This platform of the MSHS of Toulouse, approved by the ARS (Regional Health Authority), allows multidisciplinary research teams to conduct experiments and developments in the context of home care for frail elderly people or people with disabilities.

### Call for papers:

Authors are invited to submit their previously unpublished research in response to the call for papers. The contribution can be either a paper or a poster. In the case of a research paper, the topic must pertain to the themes of the sessions. The paper template is available on our website. The contribution may be written in either French or English.

In the case of a poster, all E-Health themes are welcome.

Following the reviewing process by the scientific committee, accepted papers will be published in the HAL open archive. The best papers will also be published in a special issue of IRBM journal.

### Important dates:

Opening of submissions: November, 2<sup>nd</sup> 2020

Registration for the conference: January, 25<sup>th</sup> 2021

Deadline for submissions: March, 1<sup>st</sup> 2021

Answer to the authors: April, 19<sup>th</sup> 2021

Deadline for registration and submission of the final version: May, 3<sup>rd</sup> 2021

*The conference may be held in a hybrid format depending on the health situation.*

**+ more information on the conference:** <http://jetsan2021.sciencesconf.org>