



MAYA

smart **M**irrors supporting healthier lives of
Adolescents and **Y**oung **A**dults after cancer

Call for Workshop Papers | deadline 25 March 2026

19th PETRA 2026 Conference

Island of Crete, Greece, 12–15 July 2026

The MAYA Project is hosting a **workshop** at the PETRA 2026 Conference, titled **MAYA-Mirror | Advancing Smart Mirrors to Early Detect and Monitor Cancer Late-Effects through an Ethical and Participatory Approach** and our call for papers is **OPEN**.

We invite submissions from researchers and practitioners working in:

- Intelligent Assistive Environments,
- Digital Inclusion,
- Data Privacy & Remote Health Monitoring,
- Wearable Computing & Internet of Things (IoT),
- Ambient Assisted Living,
- Social Impact of Pervasive Technologies,
- Healthcare Privacy and Data Security.

The **purpose of the workshop** is to present innovative research and ongoing practices at the intersection of smart environments and tools, cardio-oncology, digital health, and ethics.

Workshop website page: <https://www.petrae.org/workshops/MAYA-Mirror.html>

Topic

Smart mirrors, interactive systems capable of monitoring physiological and behavioural indicators, are emerging as innovative tools for supporting cancer survivors through early detection and prevention of cardiovascular late effects. However, their integration into clinical and everyday environments introduces a range of ethical challenges, including concerns around privacy, autonomy, algorithmic bias, psychological burden, and the social acceptability of continuous monitoring. This workshop will explore 2 main complementary aspects:

- **Recent technical advancements** such as multimodal sensing, privacy-preserving machine learning, domain adaptation, and fairness-aware algorithms, which show promise in reducing systemic biases that can disproportionately affect certain survivor groups. These developments enable smart mirrors to learn from diverse datasets, adapt to individual baselines, protect sensitive health data through on-device processing or federated learning, and transparently audit model performance across demographic subgroups. By integrating such methods early in the design process, developers can better ensure that smart-mirror-based interventions operate reliably, equitably, and in ways that respect user trust.

- **How Public and Patient Involvement (PPI)**, including involvement of co-researchers, and Living Labs can further strengthen ethical resilience by proactively identifying user concerns and contextual constraints. Participants will explore case studies demonstrating how survivors, caregivers, clinicians, and technologists can collaboratively uncover ethical tensions, shape data governance models, and co-develop solutions that reflect real-world needs. Special focus will be placed on how real-world testing in living labs can reveal hidden ethical and technical barriers and guide the uptake of transparent, equitable, and socially acceptable interventions.

More on PETRA 2026 Conference

The PErvasive Technologies Related to Assistive Environments (PETRA) conference brings together researchers, practitioners, and innovators to advance the state of the art in pervasive and assistive technologies. It is a highly interdisciplinary conference that focuses on computational and engineering approaches to improve the quality of life and enhance human performance in a wide range of settings, in the workplace, at home, in public spaces, urban environments, and other. Outcomes of this conference have a broad impact in application areas that include, manufacturing, transportation, healthcare, energy systems, security and safety, robotics, biomedicine, environment and conservation, and many others. Accepted papers will be presented at the conference and published by Springer in a Computer Science proceedings series (CCIS).

Participants are welcome to attend the workshop in-person or online. For the accepted papers, **at least one author must register as the presenter by the early registration deadline to be included in the proceedings.**

Important information related to the registration is available here: <https://www.petrae.org/register.html>

Important deadlines

Workshop papers submission deadline	25 March 2026
Review Period	25 March - 5 April 2026
Notification date	10 April 2026
Early registrations	31 May 2026
Late registrations	5 July 2026

Submission guidelines

Workshop papers will be published on Springer.

- Workshop Papers: 6-10 Pages (incl. refs)
- Please read carefully all the **[publishing guidelines here](#)** (required templates, formatting, authorship, references, etc)

Paper submission link: <https://www.petrae.org/guide.html>

Any questions? Please write us at: contact@maya-horizon.eu



Funded by the European Union's Horizon Europe programme under grant agreement No 101213323. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Health and Digital Executive Agency. Neither the European Union nor the granting authority can be held responsible for them.

