

## Call for Contributions

**1. Inform the Chair:** with the title of your contribution

**2. Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=AIVR+2024+Special>

Please select Track Preference as **FAME**

**3. Note:** *For 2024, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

### **FAME: Fashion for Metaverse**



#### **Chairs**

Lorenzo Stacchio, University of Bologna, Italy

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Pasquale Cascarano, University of Bologna, Italy

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along with

**AIVR 2024: The First International Conference on Artificial Intelligence and Immersive Virtual Reality**

<https://www.iaria.org/conferences2024/AIVR24.html>

April 14 - 18, 2024 - Venice, Italy

The term “metaverse” though as a unified and immersive ecosystem in which the divisions between the digital and physical realms are invisible to users is rapidly becoming a reality.

The digital layer between a subject and reality will be a shared world where all activities can be carried out with the help of eXtended Reality (XR) paradigms. Within this digi-verse, a digital virtual human, considered as the twin of a human can move freely and do any everyday and non-ordinary activities.

The dressing of a digital virtual human, which is the mapping of the human user in the real world, will also play an essential role in the Metaverse, which plays a vital role in people’s daily life in the real world, as it can implicitly reflect a person’s internal characteristics, such as their personality and aesthetics, and social characteristics.

Despite the global interest, investments, and efforts put by companies and researchers to develop smart solutions to enable the “fashion-verse”, there are a lot of open challenges to define a holistic fashion-verse that

could be effectively adopted by users to reproduce and empower their daily activities. At the same time, there is a lack of works that describe how companies and research from the fashion field, but also related ones, could, take advantage of data generated in the metaverse, e.g. fashion forecasting, popularity prediction engaging demos, and posters highlighting ongoing collaborations between academia and industry, demonstrating the current solutions evolving in the realm of computer vision.

This special session aims to provide an interdisciplinary platform for researchers to discuss advancements in smart solutions to enable the fashion-verse, including but not limited to eXtended Reality (XR), Artificial Intelligence (AI), Non-Fungible Tokens (NFT) and Internet of Things (IoT) in the context of fashion design, retrieval, modeling, and educational perspectives.

**Subtopics for contributions include, but are not limited to:**

- Simulations and serious games for learning, education, and training in the fashion field;
- Intelligent visual/textual fashion assistants;
- AI-based learning performance monitoring and evaluation;
- AI models of fashion garment generation, virtual try-on, 2D to 3D garment synthesis;
- 360° and/or 3D immersive environment experience to support the fashion industry and education;
- 3D model single/collaborative visualization/design techniques using XR paradigms;
- Development of new application scenarios and new prospects utilizing AI, and/or XR, IoT, and NFT paradigms in the context of fashion.

Each of the possible contributions could also be provided in the form of a discussion paper.

**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](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

**Important Datelines**

Inform the Chair or Coordinator: As soon as you decide to contribute

- Submission: Feb 28, 2024 (earlier, better)
- Notification: Mar 17, 2024
- Registration: Mar 27, 2024
- Camera ready: Mar 27, 2024

*Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chairs.*

**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 Open 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.aria.org/registration.html>

## **Contact**

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