

*International Journal of*

# **Arts and Technology**

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# Scope of the Journal

ISSN: 1754-8853 (Print), ISSN: 1754-8861 (Online)

*IJART addresses arts and new technologies, highlighting computational art. With evolution of intelligent devices, sensors and ambient intelligent/ubiquitous systems, projects are exploring the design of intelligent artistic artefacts. Ambient intelligence supports the vision that technology becomes invisible, embedded in our natural surroundings, present whenever needed, attuned to all senses, adaptive to users/context and autonomously acting, bringing art to ordinary people, offering artists creative tools to extend the grammar of the traditional arts. Information environments will be the major drivers of culture.*

## Topics covered include:

- New media arts, science and technology
- Interactive/visual theatre, neurobiological base of acting, digital/wearable cinema
- Augmented performance in dance
- Artificial intelligence-based art practice, web art and postmodernism
- Using analysis of artworks in conjunction with Aml to produce novel objects
- Using Aml to promote the creativity of a human user
- Autonomic sensor networks and wearable computers in the performing arts
- Computer vision and optical tracking for music and dance performance
- Cognitive intelligence and natural intelligence for the arts
- Collaborative distributed environments
- Evolutionary art systems that create drawings/images/animations/sculptures/poetry/text
- Evolutionary music systems that create musical pieces/sounds/instruments/voices
- Choreographing media for interactive virtual environments
- New media actors, new media aesthetics
- Social and ethical issues in the arts and technology



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