



The Institute for Creative Technologies & AnthroTronix, Inc.



Full sensory immersive worlds are the holy grail of games and simulations. The ICT Scent Collar provides the sense of smell to such environments by an innovative, lightweight and fashionable design. The Collar is a personal scent release device for use by an individual in a virtual environment simulation and can provide several scents (the prototype has 4) for use during the experience. Each unique scent is contained in an individual cartridge embedded in a wearable collar. The prototype design is wirelessly controlled via BlueTooth from the simulation or game. Each cartridge is refillable, so that different scents configurations can be utilized for different simulations. The Collar has tunable intensity controls to vary both the amount and duration of the scent released. It is quiet and features rapid dissipation of the odorant molecules.



The Scent Collar

a wearable scent delivery device

Researchers at the University of Southern California's ICT, in collaboration with AnthroTronix, Inc, have thoroughly researched sensory inputs for immersive environments, and have successfully designed and integrated a practical, lightweight olfactory stimulation device.

Such a wearable scent delivery device can find many uses wherever the power of scent is needed.

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Scent Your Senses: The SEE Project's Scent Collar a big hit at SIGGRAPH!

The Scent Collar, developed by USC's ICT and AnthroTronix, Inc, was featured at the SIGGRAPH 2004 Cyber Fashion show with the tag line: *The Ultimate in Cyber Diva Chic Couture.*

Its use as a means of augmenting emotional connection in Immersive Environments was described as model Lizbeth Goodman walked down the runway wearing the collar. Shown in the photo are NYC scent designer Gayill Nalls, who created four unique designer aromas for the SIGGRAPH debut: fire, air, earth and water (since our swamp and other realistic environment smells would not have been suitable!), model Lizbeth Goodman, also Director of London's SmartLab, and ICT's Jacki Morie, getting a good sniff!

