

AIST

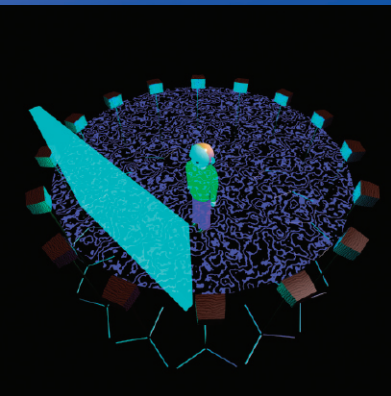
National Institute of Advanced Industrial Science and Technology

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FEATURE

Information Technology on Five Senses

- Research on the Five Senses by AIST is making great strides
- Focusing on multiple sounds using super-distributed microphones and speakers
- Organic device in ubiquitous information society
- Industry forum on five senses Toward horizontal unity among studies of the five senses
- Haptic Displays - Information Displays for the Sense of Touch
- Research and development of olfactory displays
- Obstacle perception training system for rehabilitation use
- Remote support system for visually impaired persons
- Relationships and exchange among the five senses: barrier-free and media art
- Tactile sensor based on a thin-film semiconductor
- Imaging sensor incorporating "Bio-components"
- A robot arm with a universal sense of touch Aiming to produce robots that live with humans
- Measuring brain sensation and recognition of odors Robots and TVs sensing odors expected in the near future
- New information transmission using a colored illumination equipment
- Capturing "colors" Development of a neural circuit producing colors
- Seeing "taste" in the brain
- Competition between the bottom-up and the top-down flows

Research Hot Line

UPDATE FROM THE CUTTING EDGE (Apr.-Jun. 2005)

In Brief