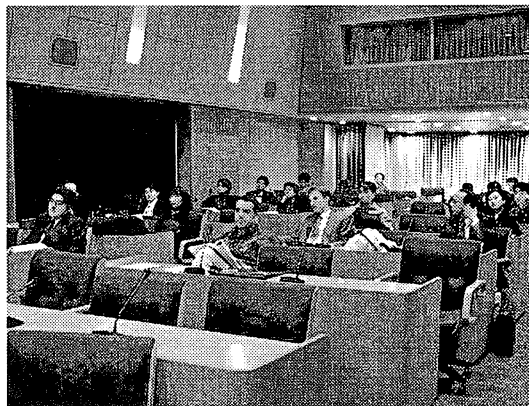


ランチョンレクチャーの様子



会議場の様子

◆参加報告 1 ICAT 1日目

Nadji Cherief

東京大学

The eleventh international conference on artificial reality and telexistence, ICAT 2001, started December 5th at The University of Tokyo for 3 days of lectures and discussion, a poster exhibition and a technical tour.

After a quick presentation of the ICAT website and the facilities for the researchers on the site, the conference started by a review of the evolution of telexistence and the challenges for the telexistence new generation by Pr. Susumu Tachi from the University of Tokyo. A presentation about the Virtual Stadium for the FIFA World Cup Korea-Japan and a project on wearable devices for mixing multimedia art and human communication completed the opening panel.

The afternoon was structured around 3 sessions to explore a wide range of fields of artificial reality and telexistence. The first session focused on the visual display, 3 various devices were presented, a fixed screen live-video-based display for telexistence using a constant-orientation camera system, a multi-detailed CAVE-like display and an original immersive display based on rotating arrays of LED, TWISTER II.

The next session presented some applications of efficient algorithms in artificial reality field: a virtual sculpting tool based on modified marching cubes algorithm, an interesting use of dominant and no-dominant hand principle for a two-handed manipulation of tree models and an efficient spatiotemporal intersection detection

with the GJK algorithm.

The last session of the day presented various researches on human perceptions. 2 presentations by Pr. William L. Martens from University of Aizu were dealing with hearing perception in artificial worlds. A device using pupillary response measurement as an index of emotional state during a virtual accident simulation and the Immersive Visual environment of York (IVY) for study of human perception were also presented.

◆参加報告 2 ICAT 2日目

柳田康幸

ATR

朝一番、招待講演の講師として予定されていた Robert J. Stone 教授が急な事情により来日できずキャンセルとなったが、これをカバーすべく実行委員会の教授方により急遽スペシャルセッションが企画された。ここでは、東京都立大の池井助教授、東京工業大学の佐藤教授、大阪大学の竹村教授の3人がそれぞれのバックグラウンドから研究紹介を行った。

VR 学会会員にとってはお馴染みの話ではあるが、個別のトピックスとしてではなく流れをまとめて聞くと、却って新鮮である。海外からの参加者にとっては日本における VR 研究のアクティビティを知るよい機会になったのではないだろうか。

午前中 2 番目のセッションでは Haptics に関する 4 件の研究発表が行われた。この分野は日本での研究活動が