







Our Proposed Method

- Novel view generation using multiple omni-directional videos Virtualizing both outside-in and inside-out observations from camera positions
- Real-time rendering and live video processing



Objective

To Realize networked telepresence system which enables users to see a remote site at arbitrary viewpoint and in arbitrary view-direction

<u>Approach</u>

□ Virtualizing real dynamic scenes by our proposed method For generating novel views

- Server-client system For video transmission and distributed processing
- Using HMD with position and posture sensor For presenting view-dependent images

























Conclusion

- Networked telepresence system which enables a user to see a remote dynamic scene interactively
- We have confirmed that our system can give the feeling of being in a remote site to the user.
- Future works
- Improvement of image quality
- Realizing telepresence system which enables to walk through remote wide areas