Visualization Services at Cybermedia Center

Cybermedia Center, Osaka University, Japan

High Resolution Stereo Visualization Systems

Cybermedia Center at Osaka University installed two types of high-resolution stereo visualization systems, one on Toyonaka campus and the other at Umekita office near JR Osaka station. These systems are used for scientific visualization, information visualization, visual analytics, and other research activities as well as showcasing, exhibitions and other outreach activities to general public with large-scale scientific data processed by high performance computing. A variety of visualization and virtual reality software packages also are available including AVS Express, EasyVR, Fusion VR and VR4Max.

24-screen Flat Stereo Visualization System @ Toyonaka Campus

15-screen Cylindrical Stereo Visualization System @ Umekita Office

* Full HD (1920x1080) 50-inch Stereo Projection Module x 24 (approx. 50 million pixels)
* Image Processing PC with NVIDIA K5000 x 7
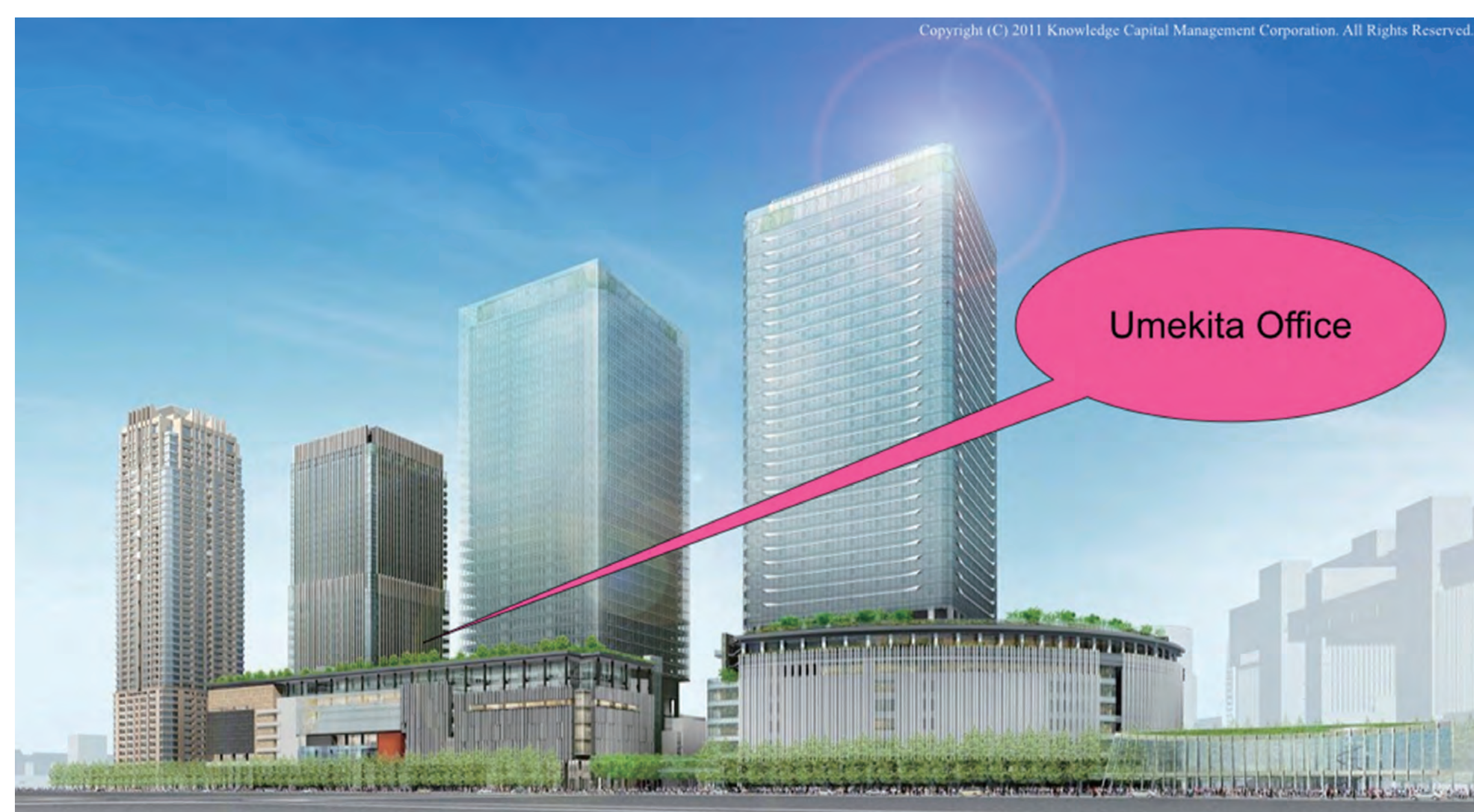* HD Video Conferencing System x 1
* Motion Capturing System x 1

* WXGA (1366x768) 46-inch LCD x 15 (approx. 16 million pixels)
* Image Processing PC with NVIDIA K5000 x 6
* HD Video Conferencing System x 1
* Motion Capturing System x 1

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Following visualization services are now available through HPCI (High-Performance Computing Infrastructure (https://www.hpci-office.jp/folders/english)) and JHPCN (Joint Usage/Research Center for Interdisciplinary Large-scale Information Infrastructures (http://jhpcn-kyoten.itc.u-tokyo.ac.jp/en/)).

(1) Training sessions, seminars, and workshops: Opportunities are given to users to learn how to take advantage of our visualization systems. Also, opportunities to learn and share the cutting-edge visualization technologies and techniques is offered.

(2) Consultation: Technical consultations are offered through which users can learn best suitable visualization techniques for their problems from a diversity of solutions which dramatically reduce time and effort required to produce satisfactory visualization results.

Umekita Office space: Umekita Office of Cybermedia Center near JR Osaka station is provided for a variety of research and outreach activities such as discussions, seminars and workshops on HPC and visualization. Reservation can be made through a web system.

Use Case: Kumikomi Tekijuku (http://www.kansai-kumikomi.net/en/) is a technical seminar on embedded software development, which was held by tele-conference between Umekita Office and Tohoku University using Video Conferencing System.

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