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2001 in 2001

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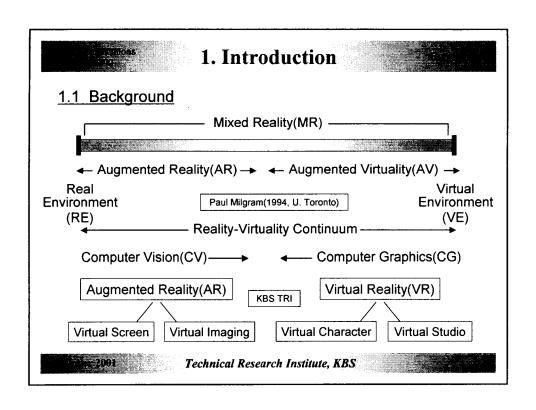
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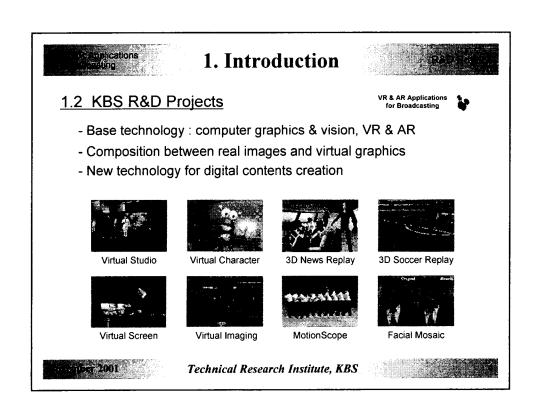
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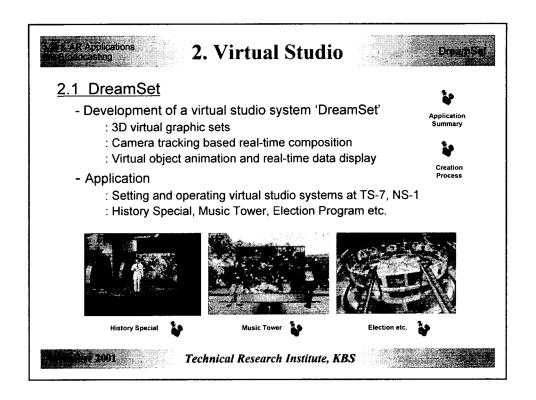


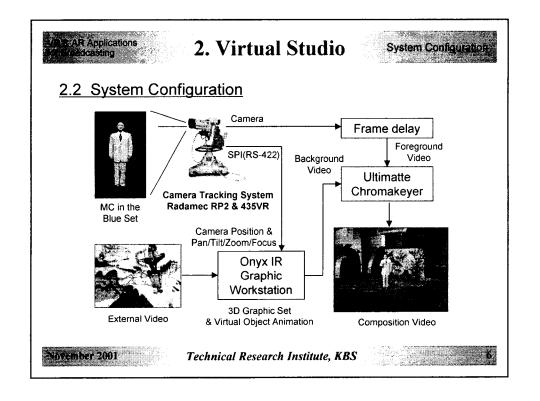
- Introduction
- Virtual Studio System
- Virtual Character System
 - Real-time Motion Capture based System
 - Motion Library based Character Animation Editing System
 - 3D Graphic Replay System for Soccer Game
- Virtual Screen System
 - 'K-vision': Real-time Video Augmentation System
- Virtual Imaging System
 - Virtual Advertising
 - Camera Tracking based Virtual Imaging System
- Conclusion

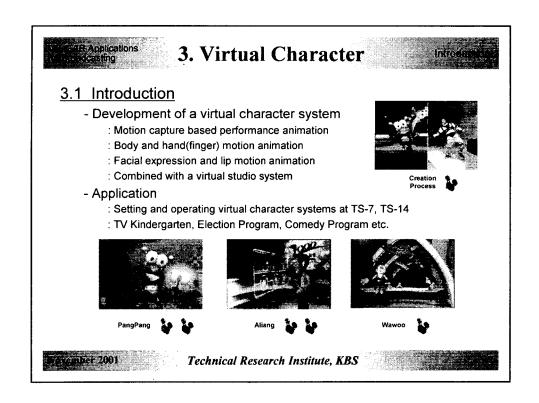
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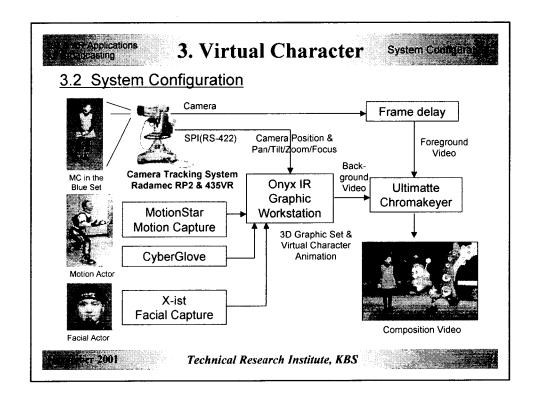


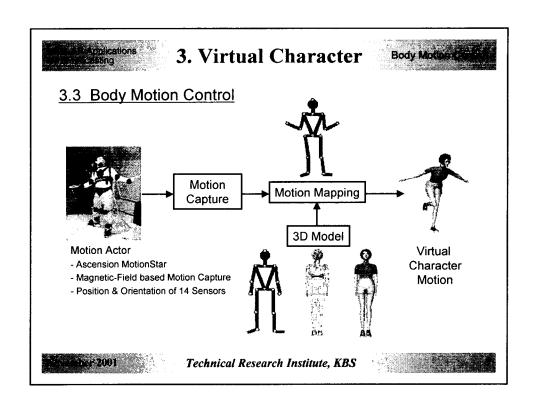


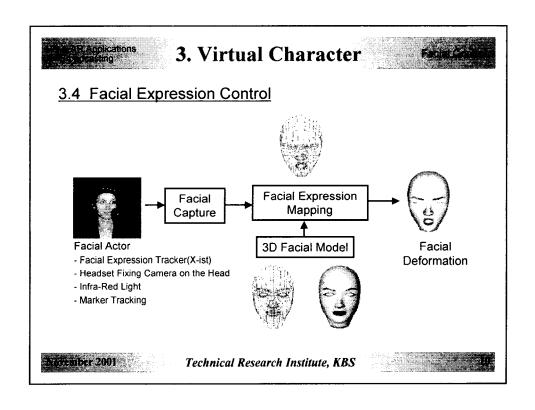










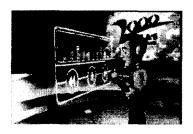




4. High-Quality VC



- Post-production System(Develop a Maya Plug-in Software)
- High Quality Rendering System
- Motion Library = Motion Database
- Interactive Motion Editing
- Lip Sync using Voice Pattern Recognition
- Emotional Shape Blending



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4. High-Quality VC

Motion E

4.2 Interactive Motion Editing(1)

- Motion Displacement
- Motion Stitching and Blending
- Motion Path Planning



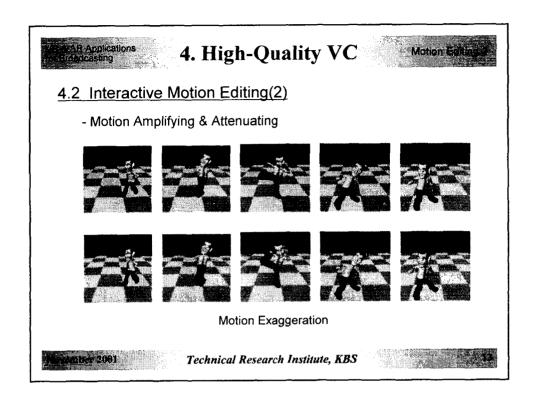
Motion Path

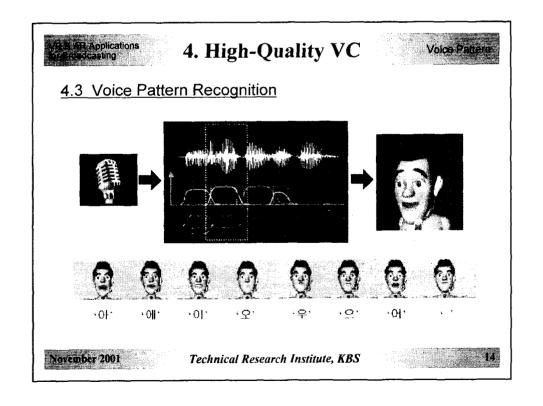


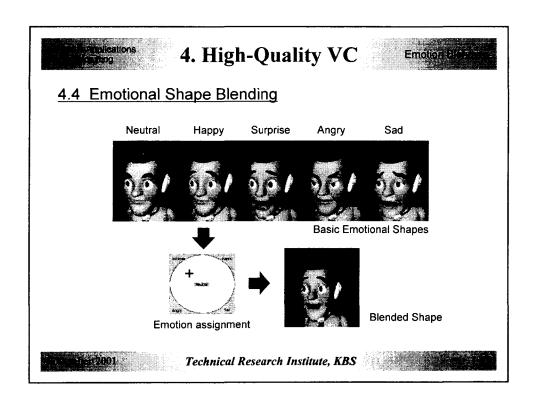


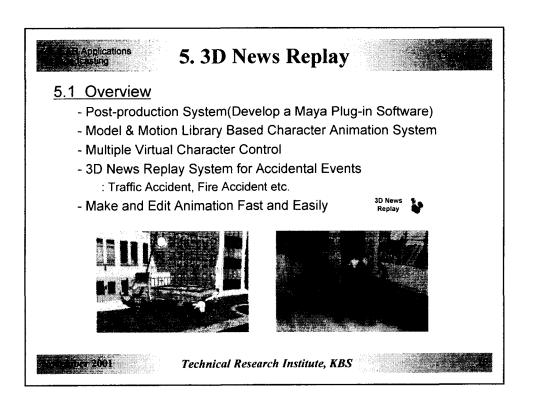
Motion Displacement

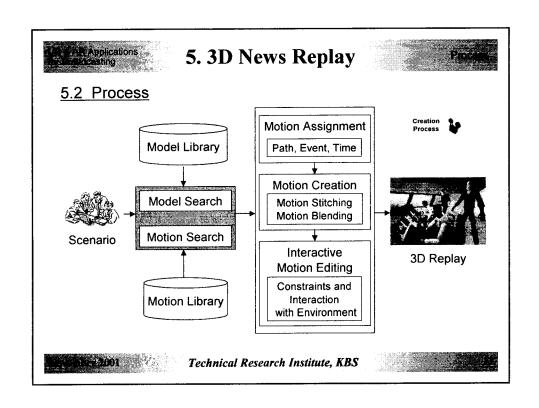
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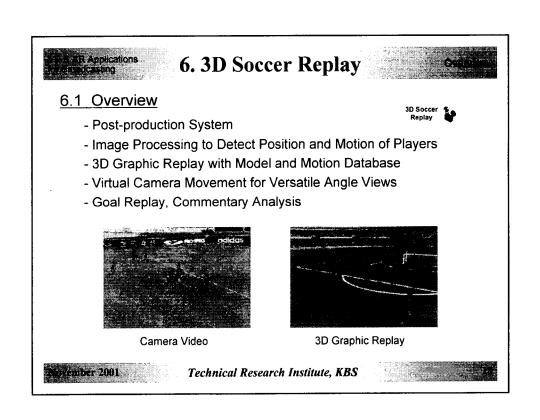


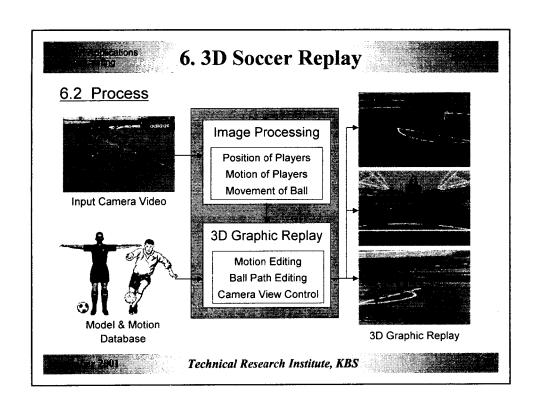


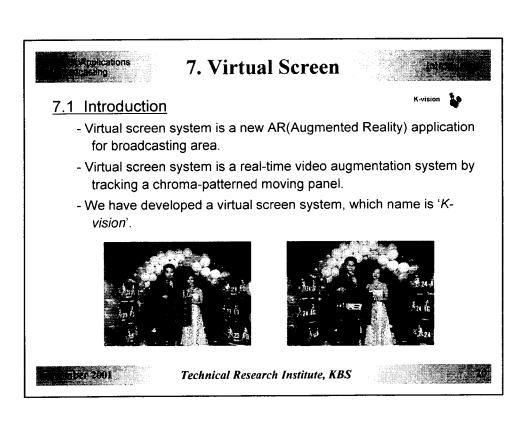


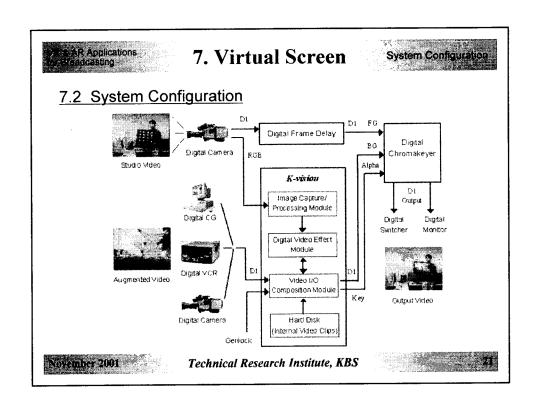


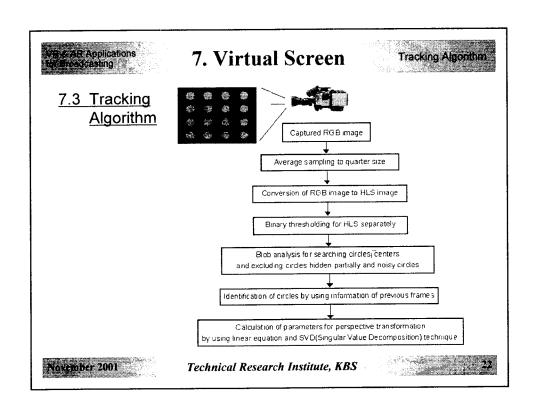


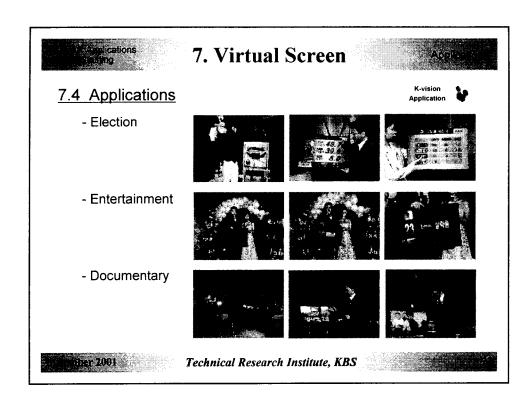














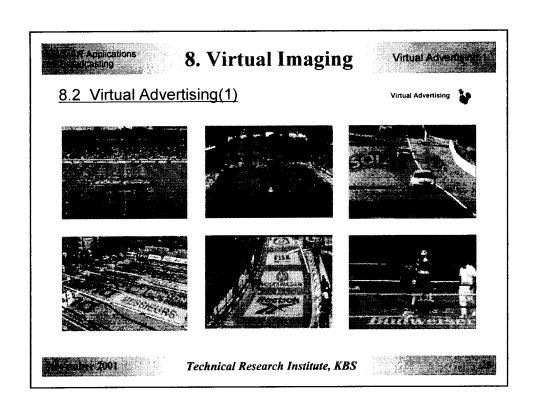
8. Virtual Imaging



8.1 Introduction

- Natural Composition Virtual Graphics into Real Environment Video
- Virtual Imaging enhances live video with informative and entertaining tied-to-the-field commentary graphics, animation and video overlays, which seamlessly integrate on the sports field regardless of the camera's movements
- It is also used for virtual advertising in many countries
- Virtual Imaging Technology
 - : Camera Tracking based Virtual Imaging System
 - : Image Processing based Virtual Imaging System
- Virtual Imaging in KBS
 - : Orad's CyberSport System
 - : TRI is developing proprietary system

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8. Virtual Imaging Virtual Adi 8.2 Virtual Advertising(2) System Feature Maker **IMadGINE** Camera Sensor, Advertising Orad Camera Sensor, Sports Information CyberSport **EPSIS Boards** Camera Sensor, Advertising Symah **EPSIS Graphics** Camera Sensor, Sports Information **EPSIS Fast** Image Processing, Advertising & Sports Info Vision Video Link Advertising, PC, Link Internet Site **EPSIS Clic** Image Processing & Camera Sensor, Advertising & Sports Information L-VIS PVI **iPoint** Video Link Advertising & Info, PC/STB **EIS** Image Processing, Advertising Scidel **AGE** Image Processing, Sports Information November 2001 Technical Research Institute, KBS

