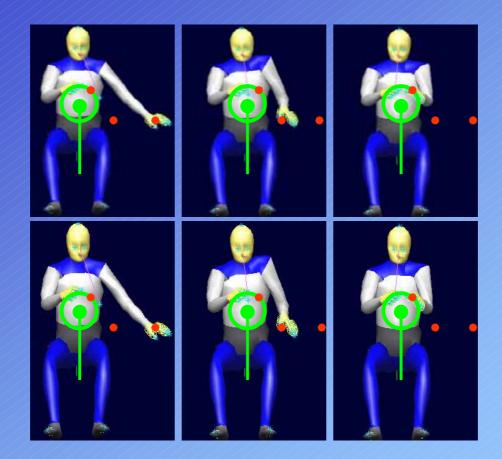
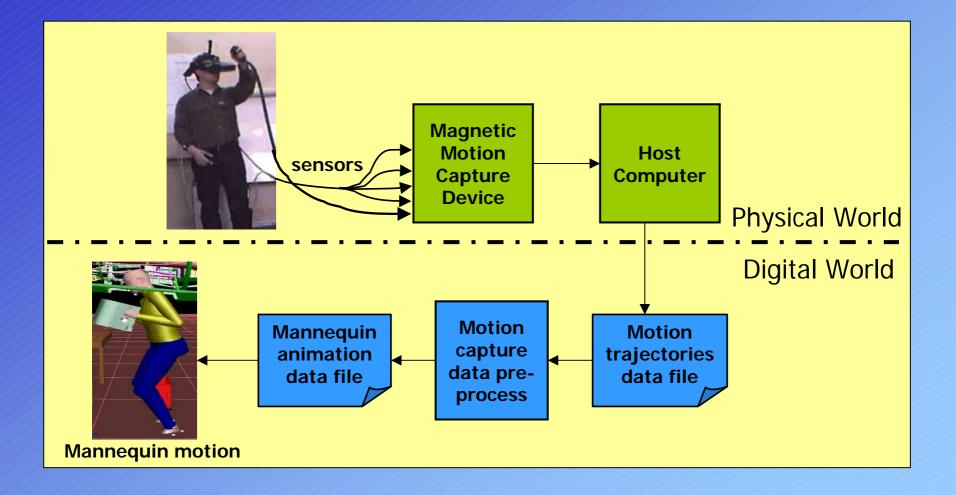
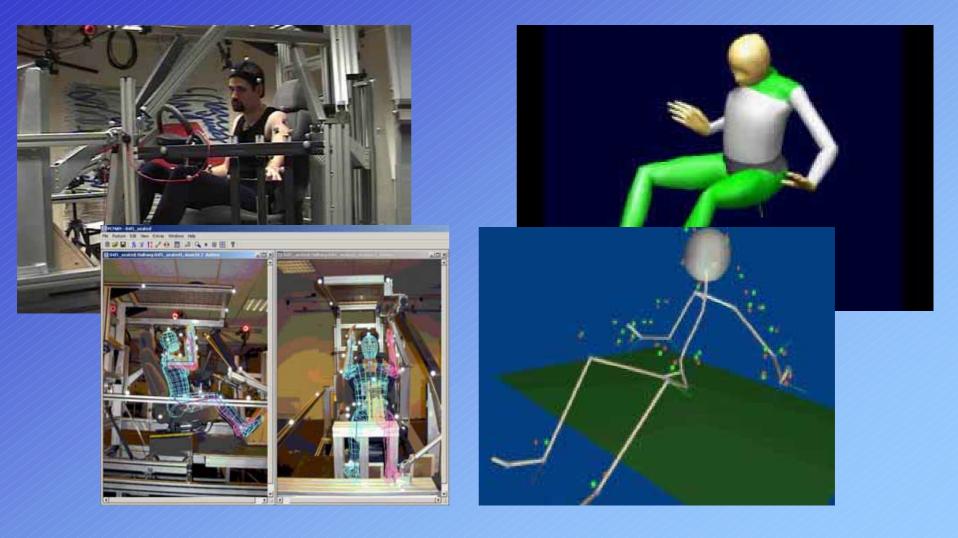
Digital Human Simulation



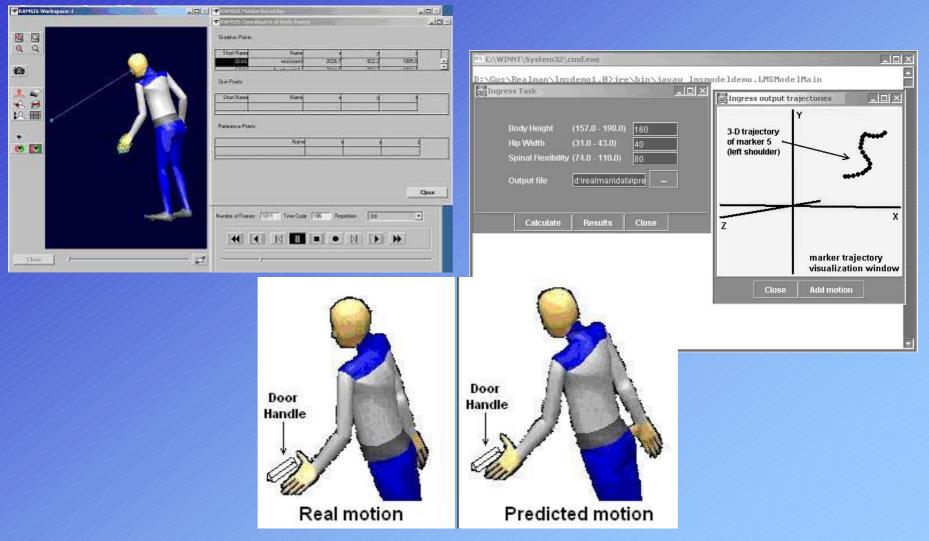
Real-time Driving of a Mannequin using VR Peripherals



Digital Human Motion Reconstruction

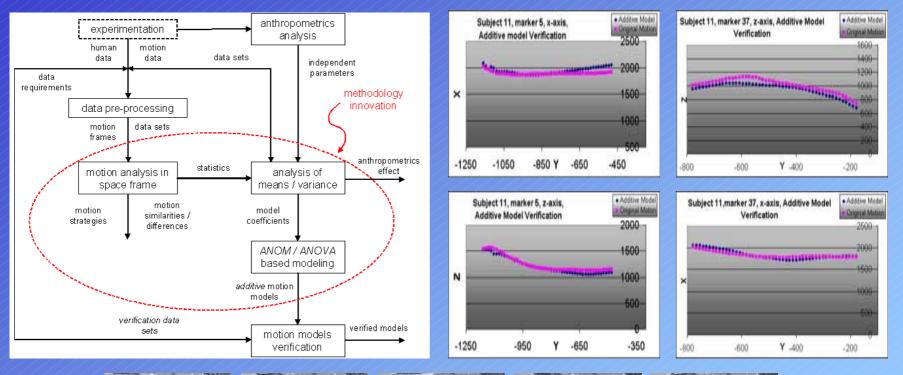


Digital Human Motion Analysis and Modelling



Mavrikios, D., V. Karabatsou, K. Alexopoulos, M. Pappas, P. Gogos and G. Chryssolouris, "An approach to human motion analysis and modelling", to be published in the International Journal of Industrial Ergonomics, (2006).

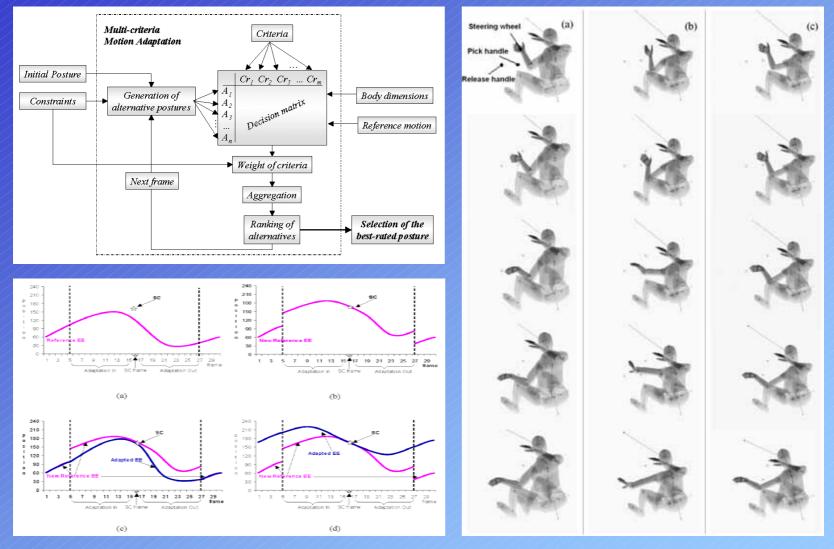
Human-Centric Product Design & Manufacturing in VEs





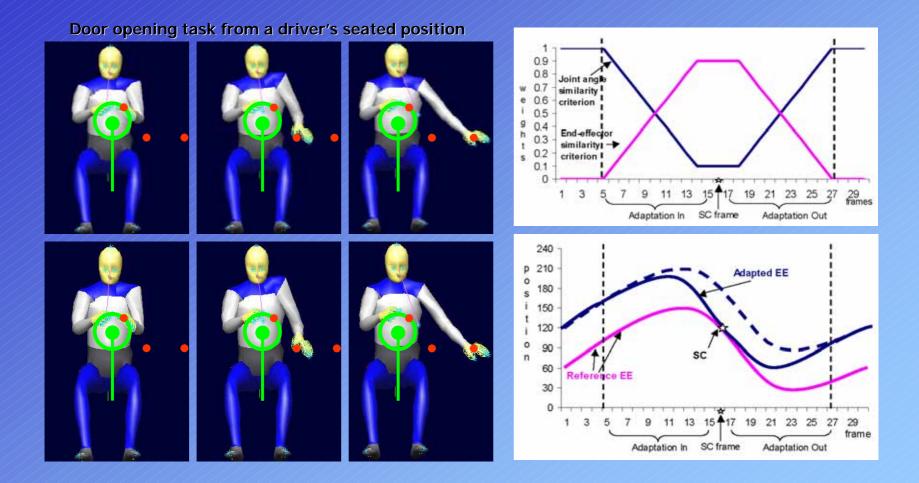
Mavrikios, D., V. Karabatsou, M. Pappas, and G. Chryssolouris, "An efficient approach to human motion modeling for the verification of human-centric product design and manufacturing in virtual environments", to be published in the Robotics and Computer Integrated Manufacturing, (2006).

Digital Human Motion Adaptation



Alexopoulos, K., D. Mavrikios, M. Pappas, E. Ntelis, and G. Chryssolouris, "Multi-Criteria Upper Body Human Motion Adaptation", to be published in the International Journal of Computer Integrated Manufacturing, (2006).

Human Motion Adaptation: A Multi-Criteria Approach



Alexopoulos, K., M. Pappas, V. Karabatsou, D. Mavrikios and G. Chryssolouris "Human Motion Adaptation: A Multi-Criteria Approach", to be published in the Proceedings of the SAE Digital Human Modeling for Design and Engineering Conference, (2006).