

Normalized Avatar Digitization for Communication in VR

Hao Li
Pinscreen
UC Berkeley
USA

Zejian Wang
Lingyu Wei
Pinscreen
USA

McLean Goldwhite
Liwen Hu
Raymond Mosco
Pinscreen
USA

Han-Wei Kung
Huiwen Luo
Koki Nagano
Pinscreen
USA



ABSTRACT

We introduce a highly robust GAN-based framework for digitizing a normalized 3D avatar of a person from a single unconstrained

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photo. We demonstrate a multi-user VR chatting system using Oculus Quest 2 where performances are driven by the headset and controllers and facial animation through speech-to-face synthesis.

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