Moving Images - Static Spaces: Architectures, Art, Media, Film, Digital Art and Design

• Paper / Proposal Title:

Immersive architectural representations in Media Art – from 2D to 3D, from 360° video to VR (Working Title)

• Author(s) Name:

Asst.-Prof. Dr. Elke Reinhuber

• University or Company Affiliation:

ADM School of Art, Design and Media. NTU Singapore

• Presentation Method. I would like to:

  i. present in person (with a written paper)

• Abstract (300 words):

Since the early days of pictorial representation techniques with painting, drawing and later photography, capturing and representing architectural heritage sites was an idea which immediately suggested itself. Based on the two-dimensional medium, the cycloramic painting enjoyed popularity in the 19th century and even today – 360° panoramas and hemispherical domes absorb the audience into another place and time quite successfully.

With the new and facilitated development of camera arrays, recording spherical panoramas with stills and even video became widely accessible – and new forms of
presentation evolved accordingly. Media artist and researcher Elke Reinhuber will present several case studies from her own experience as an early adopter. Her practices range from the antecedents of automated stitching to the current technologies of 360° video and stereoscopic immersion. In the course of producing encompassing imagery, she accumulated an equally comprehensive knowledge about a variety of presentation techniques, from online formats and sundry VR glasses to diverse cylindrical and hemispherical domes, and video walls too. Her projects filmed in Singapore deal with the concrete furnishings of the space under the tropical sky, examples of contemporary architecture as well as of the mid-century modern style serve as protagonists alongside actors and dancers from the region. Please find an additional file attached, describing two recent case studies in detail: VENOMENON, an immersive stereoscopic 3D video production, featuring heritage sites and contemporary architecture and SECRET DETOURS, a 360° video of a Singaporean Chinese Garden.

• Author(s) Biography (200 words each):

Elke Reinhuber teaches and researches Media Art at ADM/NTU in Singapore. Initially, Reinhuber obtained professional training as an industrial photographer and studied at the Berlin University of the Arts, before she started teaching at the Braunschweig University of the Arts and established the department for Media Design at GUC Cairo. During her doctoral studies at UNSW Sydney, she received several grants to intensify her research on immersive environments. Her artwork was presented in several international institutions, among them ZKM Karlsruhe, Fotomuseum Winterthur, the Grid Photofestival Amsterdam, ISEA Hong Kong and V&A Digital Futures in London.