Ning Gu (University of Newcastle, Australia) and Xiangyu Wang (Curtin University, Australia)

The emergence and adoption of computational technologies has significantly changed design and design education beyond the replacement of drawing boards with computers or pens and paper with computer-aided design (CAD), computer-aided manufacturing (CAM), and computer-aided engineering (CAE) applications.

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**Ning Gu** is a Senior Lecturer in the School of Architecture and Built Environment at the University of Newcastle, Australia. He researches in the broad areas of design computing. He is particularly interested in collaborative design, generative design, and virtual worlds. Ning is a pioneer of applying leading-edge Information Technologies in design and learning, and has established an international collaborative design studio using Second Life. He has also designed and implemented a wide variety of collaborative virtual environments and applied them in his teaching and research in numerous Australian and international tertiary design institutions including the University of Newcastle, the University of Sydney, MIT, and Columbia University. He has published extensively in the fields of design computing and design education.
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