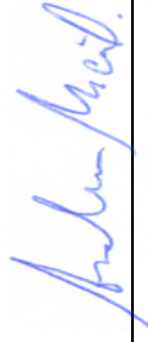


C E R T I F I C A T E

We certify that Douglas Bandeira Ivo participated as presenter of the paper "A model for flexible representation of social groups in crowd simulation" in the Technical Sessions of SVR 2021, the 23rd Symposium on Virtual and Augmented Reality, held as a virtual conference from October 18 to 21, 2021.

Gramado - Brazil, October 20th, 2021



Anderson Maciel
General co-chair



Luciana Nedel
General co-chair