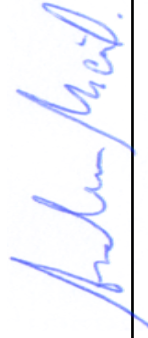


C E R T I F I C A T E

We certify that Renan Vinicius Aranha participated as presenter of the paper "De expressões faciais à experiência do jogador: desafios da adaptação automática de jogos sérios com Computação Afetiva" in the Workshop of Theses and Dissertations (WTD) 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