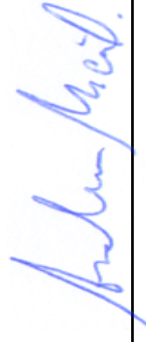


C E R T I F I C A T E

We certify that Antonio Santos de Sousa participated as presenter of the paper
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Anderson Maciel
General co-chair



Luciana Nedel
General co-chair