



Certificate of Presentation of Paper

This is to certify that the paper entitled

Managing Big Data using Model Driven Engineering: From Big Data Meta-model to Cloudera PSM meta-model

by Allae Erraissi; Mouad Banane

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A handwritten signature in black ink, appearing to be 'M. R. Qader'.

Dr. M. R. Qader
Dean, Deanship of Graduate Studies and Scientific Research