



## Paper Presentation Certificate

This is to certify that the paper entitled

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

by *Allae Erraissi; Mouad Banane; Abdessamad Belangour; Mohamed Azouazi*

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Hatem Masri , Program Chair

A handwritten signature in purple ink, which appears to read "Hatem Masri".