



ISSN(Online): 2319-8753

ISSN (Print): 2347-6710

**International Journal of Innovative Research in Science,
Engineering and Technology**

(An ISO 3297: 2007 Certified Organization)

Vol. 5, Issue 9, September 2016

Gravity dual D_3 -braneworld and Closed/Open string duality

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ABSTRACT: A covariantly constant dynamical two-form is exploited on a D_3 -brane to obtain its gravity dual action, governing an S^3 -deformed AdS_5 -black hole, in a type IIB string theory on $S^1 \times K3$. We invoke the Kaluza-Klein