

1096-81-1993 **Salvador E. Venegas-Andraca*** (salvador.venegas-andraca@keble.oxon.org), Ap. postal
12-808, Narvarte, 03001 Mexico City, Mexico. *A quantum-walk based clustering
algorithm*. Preliminary report.

Data clustering is a pervasive branch of computer science and computer engineering with many key applications in computer vision and bioinformatics, among several other fields.

Encouraged by relatively recent results on the computational universality of quantum walks, I shall introduce a quantum walk-based clustering algorithm and will compare the performance of this algorithm with some of its classical counterparts. (Received September 17, 2013)