

AGACSE 2018. Posters. Friday, 27 July (reception order)

Petr **Vasic** and Jaroslav Hrdina
Classification of conics as GAC elements.

Rafael **Alves**, José Cipriano Souza
Conformal Geometric Algebra in molecular geometry with uncertainties.

Guillermo Osuna-González, E. Moo-Medina, Eduardo **Bayro-Corrochano**
Geometric approach for whole body torque control involving dynamic obstacles.

Jorge Lizárraga, Luis Lechuga-Gutiérrez, Eduardo **Bayro-Corrochano**
Intelligent artificial hand to handicapped using quaternion spike neural networks.

Samuel Solís, Eduardo **Bayro-Corrochano**
Quaternion quantum neural network for image processing.

G. Martínez-Terán, J. L. Del-Valle-Padilla, Eduardo **Bayro-Corrochano**
Quaternion wavelet function network

Julio Cesar Zamora, Leobardo Campos, Rodrigo Aldana, Jesus Adan Cruz Vargas, Eduardo **Bayro-Corrochano**
ECLIB: Embedded Clifford library

Eduardo **Bayro-Corrochano**, J. Medrano-Hermosillo, U. Uriostegui-Legorreta, Guillermo Osuna-Gonzales
Newton-Euler for Modelling and Nonlinear Control for Robot Manipulators using the Geometric Algebra Framework.

Eduardo **Bayro-Corrochano**, U. Uriostegui-Legorreta, J. Medrano-Hermosillo, and G. Osuna-Gonzalez
Hamiltonians for robot control in the geometric algebra framework.

Marcelo S. **Carielo**, Leandro A. F. Fernandes
Using conformal geometric algebra to determine the structure of proteins with uncertainties.

Oswaldo Ureña-Ponce, Gerardo Soria-García, Susana Ortega-Cisneros, Marcela Garza-Burgos, Eduardo **Bayro-Corrochano**
Accelerating interpolation in conformal geometric algebra using GPU.

Terje **Vold**
Computational electromagnetism using the method of least action with Bezier surfaces.

Valter **Camargo**, E. V. Castelani
Conformal geometric algebra and the symmetries of the k-discretizable molecular distance geometry problem.