



UNIVERSIDADE FEDERAL DO CEARÁ  
CENTRO DE CIÊNCIAS  
PÓS-GRADUAÇÃO EM MATEMÁTICA

# CERTIFICATE

We hereby certify that, **MIRIAM GARCIA MANOEL**, ICMC-USP, participated in the 10th Miniworkshop in Singularities, Geometry and Differential Equations, held at Maredomus Hotel, Fortaleza-CE, from May 10 to 13, 2015 and presented the following work: "*SYNCHRONY PATTERNS ON GRADIENT NETWORKS*".

Fortaleza, May 14, 2015

A handwritten signature in blue ink, reading "Alexandre Cezar Gueiros Fernandes", written over a horizontal line.

Alexandre Fernandes  
Organizing Committee