SAAD DAHLAB UNIVERSITY Faculty of science In Informatic Department

DOCTORAL THESIS

Speciality: Information Systems Security

SECURITYBY CONSTRUCTION THROUGH FORMAL METHODS AND

BLOCKCHAIN: APPLICATION ON IOT NETWORKS IN SMART CITIES

Through

Walid MILOUD DAHMANE

before the jury composed of:

M. Ould Khaoua

H. Bouarfa

S. Ouchani N. Boustia

D. Bennouar

M. Brahmia

Professor. Blida 1 UniversityPresidentProfessor. Blida 1 UniversityRapporterA.Professor, CESI, FranceCo. DirectorProfessor. Blida 1 UniversityExaminerProfessor. Bouira UniversityExaminerA.Professor, CESI, FranceExaminer

The thesis will be publicly defended on February 16, 2023, at 10^h am, in the conference room "Mustapha Bentaiba" at the Pavilion 13.