­

**DOCTORAL THESIS**

**2023**

**Doctoral Programme in Information and**

**Communications Technology**

**New characterizations of some families of fuzzy implication functions and their intersections. applications to subgroup discovery**

**Raquel Fernández Peralta**

**Thesis Supervisor: Sebastián Massanet Massanet**

**Thesis Supervisor: Arnau Mir Torres**

**Thesis Tutor: Sebastián Massanet Massanet**

**Doctor by the Universitat de les Illes Balears**