



Centro de Matemática  
Universidade do Porto

# Seminar on Semigroups, Automata and Languages

## Finite quotients of singular Artin monoids

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**Abstract:** In this talk I will present a certain hierarchy of diagrammatic monoids which can be unified by the observation that they all are finite quotients of singular Artin monoids of a certain fixed Coxeter type. In type A, these include a certain submonoid of binary relations, the dual symmetric inverse monoid, the symmetric inverse monoid and the Brauer monoid. Various properties of these monoids, including presentations, will be discussed.

Based on a joint work with Helena Jonsson, Elin Persson Westin, Shraddha Srivastava, Mateusz Strojński and Xiaoyu Zhu.

**Date:** Friday, 30 September 2022, 14:30

**Place:** Online Zoom meeting



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