

#### Centro de Investigação em Matemática e Aplicações Departamento de Matemática

# <u>Seminário</u>

#### 15 de Abril de 2010, Quinta-feira CLAV – Anf. 4 - 11:00 horas

## Uniquely presented finitely generated monoids

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#### **Resumo:**

A finitely generated commutative monoid is uniquely presented if it has only a minimal presentation. We give necessary and sufficient conditions generated, for finitely combinatorially finite, cancellative, commutative monoids to be uniquely presented. We use the concept of gluing to commutative monoids with this property. construct Finally for some relevant families of numerical semigroups we describe the elements that are uniquely presented.

(This is a joint work with P.A. García-Sánchez)