

**UFSCar**

**DEPARTAMENTO DE MATEMÁTICA**

**COLÓQUIO**

**Marek Golasinski**

Kazimierz Wielki University – Polônia

**Falará sobre:**

**Moore spaces and their Gottlieb groups**

**Resumo.** The 1-connected space  $M(A, n)$  is a Moore space if  $H_k(M(A, n)) = 0$  for  $k \neq n$  and  $H_n(M(A, n)) = A$ . For instance, the sphere  $S^n = M(\mathbb{Z}, n)$ . The Gottlieb group  $G_n(X)$  of a space  $X$  is a special subgroup of its homotopy group  $\pi_n(X)$ .

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*LOCAL: Auditório do DM*