

# **The connection between MFS and RBF interpolation**

**Carlos J. S. Alves**

Centro de Matemática e Aplicações (CEMAT)

Instituto Superior Técnico (IST), Lisboa, Portugal

E-mail: cjsalves@gmail.com; carlos.alves@math.ist.utl.pt

## **Abstract**

In this talk we present the connection between interpolation with the MFS method in dimension  $D+1$  and the RBF interpolation in dimension  $D$ , connecting several examples of known RBF basis functions and their equivalents as fundamental solutions.