



## OVERVIEW IN PARAMETRIC LOUDSPEAKER ARRAY TECHNOLOGY AND ITS APPLICATIONS IN SPATIALISATION IN ELECTRONIC MUSIC

**Jaime REIS | 15 Março 2018 | Sala 413 | 14h | Entrada livre**

The discovery of the parametric acoustic array has come a long way since it was theoretically analyzed in the 60s. Since then, many applications were proposed in diverse contexts including military, tomography and artistic installations. This technology allows perfect sound directionally, and can be used as an expressive technique in electroacoustic music, allowing a very peculiar sound spatialisation. For such reason, it's here treated as a idiosyncrasy, worth discussing on its own terms. During this seminar, we will present the theoretical framework of the parametric acoustic array, and then illustrate some audio applications through Jaime Reis' music compositions, including "A Anamnese das Constantes Ocultas", commissioned by Grupo de Música Contemporânea de Lisboa, as well as "Jeux de l'Espace".

**Jaime Reis** is a Portuguese composer based in Lisbon who attended seminars with Karlheinz Stockhausen and worked with Emmanuel Nunes, after studying Composition and Electronic Music in Aveiro, where he received 3 prize scholarships as best student. He's now the artistic director of Festival DME and of Lisboa Incomum, and professor at the Superior School of Applied Arts (Castelo Branco). He has worked with IRCAM, KCMD, Musik Fabrik, ZKM, Musiques & Recherches, and his music has been presented over more than 20 countries.