

Rita Torres (Portuguese Catholic University, Portugal)

The sound world of guitar multiphonics

The lack of research on the tone colour of the guitar has motivated a thorough investigation of guitar multiphonics. Providing the artistic community with relevant information on this technique and showing a wider range of its possibilities should lead to its increased usage, motivating non-guitarist composers to carry out further research. This would fulfil the investigation's aim of contributing to the promotion of colour research on the guitar and to the establishment of multiphonics as part of its vocabulary. In this session, the technique of multiphonics and its sound and sound production descriptors will be explained with the aid of live examples. Related aspects of the research will be presented along. In the end, a piece centred on multiphonics and exploring a new form of usage thereof will be explained and performed.

Rita Torres is a PhD Candidate of the Doctoral program in Science and Technology of the Arts of the Portuguese Catholic University, having already submitted her thesis entitled *A New Chemistry of Sound: The Technique of Multiphonics as a Compositional Element for Guitar and Amplified Guitar*. She holds degrees in Chemical Engineering, Guitar, Musicology/Music Informatics, and Composition.

Chair – Dr Milton Mermikides (IGRC, University of Surrey)