BIOGRAPHY

Xavier Serra is Associate Professor of the Department of Information and Communication Technologies and Director of the Music Technology Group at the Universitat Pompeu Fabra in Barcelona. After a multidisciplinary academic education he obtained a PhD in Computer Music from Stanford University in 1989 with a dissertation on the spectral processing of musical sounds that is considered a key reference in the field. His research interests cover the understanding, modelling and generation of musical signals by computational means, with a balance between basic and applied research and approaches from both scientific/technological and humanistic/artistic disciplines. Dr. Serra is very active in promoting initiatives in the field of Sound and Music Computing at the local and international levels, being involved in the editorial board of a number of journals and conferences and giving lectures on current and future challenges of the field. (http://www.dtic.upf.edu/~xserra/).

CompMusic: Computational Models for the discovery of the world's music
Current information technologies do not pay attention to culture specificity and most current research is not attempting to change that either. For the improvement of current music information technologies there is a clear need to take a cultural approach and the CompMusic project focuses on this need. The project is studying five music cultures: Hindustani (North-India), Carnatic (South-India), Turkish-makam (Turkey), Andalusian (Arab countries) and Han (China). We are developing well annotated data repositories for these cultures, work on data processing approaches that focus on describing them, and develop music discovery methodologies that are of relevance to the context of the chosen cultures. (http://compmusic.upf.edu).

PROJECT

European Research Council Advanced Grant

Project acronym: CompMusic

Project full title:

Overview

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