

## **New approaches in music generation from tonal and modal perspectives**

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### **Resumen:**

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In the literature, there are plenty of works centered on generating music from a classical perspective, reflecting through machine learning as well as bio-inspired paradigms, harmonic rules proposed by composers like Schonberg or Riemman. However, a new fewer works have addressed the generation of popular music. Such genres, transmitted orally from generation to generation, proposes new challenges in the music learning and generation process.

### **Sobre María Navarro Cáceres:**

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PhD in computer engineering by the University of Salamanca, she began to work in the BISITE Research Group in 2012 under a collaboration scholarship. Later, she developed her doctorate through a predoctoral contract within the program of training of university personnel (FPU) promoted by the Ministry of Education and Culture (MECD). Currently, she is working in the University of Salamanca as an associate professor. Many of the activities carried out in all areas before and during pre-doctoral training have led to the creation of a coherent and well-defined line of research, covering the fields of computer science and music. In the field of research, she is currently developing an investigation focused on automatic musical composition and the analysis of musical characteristics from artificial intelligence. She has participated in projects of educational technology, and of musical construction (Project MUDEI), among others. Most of the outstanding publications highlight the transversality of music and the computer sciences.