

## **MICRO: Quantum Music**

Randomness, Imperfection, Uncertainty in Science and Arts: Toward Quantum Music

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### **ABSTRACT**

In our talk we will first discuss the role apparent randomness, unpredictability and imperfections in classical physics. We will relate it to the role of chance and randomness in contemporary abstract art, and especially music. We will then discuss essential elements of quantum physics: particle-wave duality, intrinsic randomness and entanglement, and investigate the idea in which sense quantum physics and quantum technologies may inspire novel genre of music: quantum music.