

Maria Mannone is a distinguished scientist working at the interface between biomathematics and cognitive music theory. The general objective of her work consists of applying modern methods of mathematics for modelling the structural features in music. Maria Mannone is also an active pianist and composer, and she has a PhD in composition, an MSc in theoretical physics, and an MA in orchestral conducting.

Maria Mannone has published six books as author or coauthor. Further, she has numerous publications in the fields of cognitive music theory including articles about musical gestures, quantum musicology, category theory and music education. She is currently applying sonification and quantum computing to swarm robotics; please, see <http://mariamannone.com/pubblicazioni.html>

In her research, she avoided to follow the mainstream and came with quite novel ideas combining mathematical conceptions with real and deep research topics of music. In this connection, it should be stressed that Hermann Rudolf Lotze developed the basics of a musical aesthetics. For example, in the "organistic model" of the arts (as perceived by Lotze, Schelling, and others), architecture and music are the two essential poles from which all other art forms are derived.

