

**DIALOGHI TRA ARTE, SCIENZA E TECNOLOGIA PER UNA NUOVA INNOVAZIONE**  
***DIALOGUES AROUND ARTS, SCIENCE AND TECHNOLOGY FOR A NEW APPROACH TO INNOVATION***

Una nuova alleanza tra scienza, arte, musica e intelligenza artificiale  
*A new alliance between science, arts, music and artificial intelligence*

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**ABSTRACT**

Simultaneous analysis of data in time and frequency domain is obtained using appropriate mathematical transforms. These allow powerful visual-audio display of natural and artificial signals. Finally, the data are analysed using Machine Learning algorithms applied to visual and MIDI (Musical Instrument Digital Interface) attributes. Perception and cognition of information is augmented, producing useful scientific results and intriguing musical/artistic effects at the same time.