

## Change Ringing - communicating climate change through contemporary classical music

Ravi Kapur (1), Laurence Osborn (2), and Peter Shenai (2)

(1) Imperative Space, United Kingdom ([www.imperativespace.com](http://www.imperativespace.com)), (2) Change Ringing Project ([www.change-ringing.co.uk](http://www.change-ringing.co.uk))

Change Ringing is a collaborative artwork by artist Peter Shenai and composer Laurence Osborn that forms around a playable sculpture and a large-scale composition.

The sculpture incorporates a set of six bronze bells designed and cast by artist Peter Shenai. Their shapes are mathematically derived from graphic statistical representations of summer temperatures at seventeen-year intervals over the course of the twentieth century. Arranged according to the chronology of their corresponding data sets and struck in order, the bells voice a series of inharmonic spectra that communicate sonically the story of climate change during the twentieth century. This series forms the basis for Laurence Osborn's twenty-five minute composition, scored for string orchestra and the bells themselves.

In Change Ringing, an artwork that combines music, sculpture, performance, and ritual, we want to move audiences and, in doing so, facilitate their engagement with ideas that are highly relevant today. We believe that the medium of musically organized sound, so often wrongly dismissed as "abstract" and non-referential, can be a more than adequate reflection of lived human experience in the 21st Century, and we work in the hope that Change Ringing will connect with contemporary audiences on the most fundamental level.