



KOBANE
Live Performance
Music

Nicola Baroni
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Kobane for Ipercello

Kobane is an interactive composition originally created by Nicola Baroni for an Augmented Bass Flute and premiered by Roberto Fabbri in Bologna in November 2015 in the context of a large festival celebrating Luigi Nono. On the occasion of the *22nd Generative Art Conference* we now present a new version of the work performed with the cello by the author Nicola Baroni. Kurdistan and Syrian tragedies inspired the work dedicated to Luigi Nono, taking into account a conflictual condition of the performer with respect to the interactive electroacoustic environment strictly responding to the sounds proposed by the soloist engaged in a contrasting match with the digital system.

The interaction is based on a detailed timbre feature extraction monitoring the live sound of the soloist in comparison with 10 sound models scheduled in advance by the performer. In addition the sound evolution of the electronics is highly influenced by the rhythmic qualities and densities of the performance, and by the activity of the cello bow monitored through an accelerometer.

The central part of the work is ruled by an interactive score (microtonal and in common notation) which has to be sight read by the soloist, but which is at the same time produced by the soloist through the mediation of the digital sound analysis in real-time. The ending part spectrally elaborates, partially quoting, 2 sound files containing fragments by important works of Luigi Nono.

The characters of the sound treatments are integrally dependent on music as improvised and/or sight read by the soloist, who is engaged in a multilayered action integrating the acoustic sound with the complexities of the electroacoustic responses. The system offers the soloist the opportunity to deliberately orient multiple electronic sound qualities at the same time, adding a challenging complexity to the performance.

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