

DIS/ARRAY (Array and Disarray)

By Connor Hutchinson

World Premiere: Clare Fox (*Clarinet*), Marshall Read (*Violin*) and Salina Myat (*Marimba*)

DIS/ARRAY is a trio for Clarinet, Violin and Marimba based on a 3 x 4 matrix of randomly arranged numbers from 1 to 12. Each number is assigned a pitch from the chromatic scale (C, C#... to B), an interval (perfect unison, minor 2nd... to major 7th), and rhythmic duration (semiquavers, quavers... to semibreve). The matrix is explored through a variety of permutations, creating number of different tone rows, limited interval sets and rhythmic motifs which are developed through a number of arithmetic series and sequences, including $n = x + 3$, the triangular number sequence (1, 3, 6, 10...), pascals triangle, and even π ! The work is structured in 3 distinct sections, the first utilising all intervals through all-interval/all-note rows and chords, gradually diminishing over the middle section until only few intervals remain in the final section. The subsequent algorithm becomes the foundation of the work melodically, harmonically and rhythmically, through which the potential in instrumental attack and decay is investigated as well as the wide arrangements of both pure and composite tone colour available in such a diverse instrumentation.