

Colloquium:

The Mystery of Anatol Vieru's Periodic Sequences Unveiled

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12:15-1:30pm

OCSE B138 or via Zoom

Abstract: In his *Book of Modes* (1993), the Romanian composer Anatol Vieru proposed a compositional technique based on an algorithmic manipulation of periodic sequences in Z_{12} . He collects periodic sequences by iteratively applying a finite sum operator; then he decodes from each sequence a musical aspect. He highlighted a couple of remarkable phenomena he came across applying this technique. One regards the period of the sequences produced by his manipulation; the second one regards the proliferation of certain values in some of his compositions. This was the starting point for a prolific math-music research area. I will try to describe the compositional technique developed by Vieru and give you the solution to the two questions posed by the composer obtained in a very recent paper in collaboration with Luisa Fiorot and Riccardo Gilblas.

For more information or to register to attend via Zoom, scan the QR code with your phone.

