Automatic Music Generation and Machine Learning Based Evaluation

Proposed work :-

- We propose an automated music composition system that enables the users to create their own music for their own purpose by controlling the music with high level control parameters.

- This system is based on the Supervised machine learning approach to evaluate music to take subjective tante of users into account.

- The automated composition of music can be achieved any-how with music theory, mathematical models or Randomness.

- The important issue in the composition of desired music lies rather in controllability of the music generation

- The general approaches of automatic compose music are categorized into two clases

  1. Rule based automatic composition with musical grammar and

  2. Procedural composition with mathematical models such as fractal, cellular automata or L-System.