Emergent temporal qualities in musical improvisation
Emergent temporal qualities in musical improvisation

Kevin Dahan

Thank you!
Emergent temporal qualities in musical improvisation
A common duality...

<table>
<thead>
<tr>
<th>Composition</th>
<th>Improvisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asynchronous process</td>
<td>Synchronous process</td>
</tr>
</tbody>
</table>
Composition

Asynchronous process
Improvisation

Synchronous process
Music Dynamics

- Try to focus on the music as a process...
- ...and not as a product...
- What of the relation between composition and improvisation?

*non-linear*

*dynamic*

*creative aspects*

>> different than structural analysis

- e.g.
- e.g.
Xenakis' segmentation

Outside time
- e.g. scales
- e.g. time signatures

In-time
- e.g. performance
- e.g. improvisation?
Some terminology...

Compositional processes:
- synchronous (e.g. improvisation)
- asynchronous (e.g. composition)

Temporal directionality: an emergent quality present in various aspects in the musical structures (e.g. physical, subjective, cognitive, potential, actual)

Actualization: physical realization of the music (i.e. the vibrating phenomenon)
Networks of Interactions

Intra-personal interaction

emergent temporal qualities

Inter-personal interaction
Emergent temporal qualities

Crystallized musical elements

Temporal directionality

Fluctuations in the temporal aspects (i.e. not fixed)

means there are different directionalities contained in a crystallized structure

*ETQs*
- Cognitive
- Gestural
- Musical?
Temporal directionality

Fluctuations in the temporal aspects (i.e. not fixed)

means there are different directionalities contained in a crystallized structure

**ETQs**
- Cognitive
- Gestural
- Musical?
Phase (Gesture/Cognition)

Flow (Music/Improvisation)
Kevin Dahan
Associate Professor (Research and Innovation)
Music, Technology and Innovation Research Center
De Montfort University
Leicester (UK)
kevin.dahan@dmu.ac.uk

Thank you!