

21M.370 Digital Instrument Design

Apr 27 notes

Performance

- * <http://alanbelkinmusic.com/bk/F.pdf>
- * Alan Belkin - “A Practical Guide to Musical Composition “
 - * focus / foreground vs background
 - * Flow vs. Break / continuity vs surprise
 - * rate of presentation of information
 - * form
 - * beginning
 - * first chance to present a convincing statement
 - * you are in control
 - * exposition
 - * what is the focus of the piece?
 - * development / elaboration

- * ending
 - * how do we know it is over?
 - * confidence / clarity
- * video / aesthetics
- * demo vs performance
 - * commitment
 - * musical content
 - * staging
 - * moving camera
 - * multiple cameras
- * what are possible aesthetics?
 - * mysterious / sensawunda
 - * virtuoso / professional
 - * hacker / obscure technical knowledge
 - * low-key with strong musical presence
 - * attitude / confrontation
 - * naturalistic - simple documentation

- * best view of whats happening
- * lighting
- * clothing - style
- * aesthetics can match aesthetics of instrument/composition
- * onyx ashanti busking
 - * audience view
 - * view of audience / live performance
 - * performance as event
 - * navigation of physical space
 - * not sitting at your desk :-)

Nolan - chatterbox

- * Feedback performances
- * John Cage - imaginary landscapes

- * [FaMLE - “Rainforest 404” - YouTube](<https://www.youtube.com/watch?v=68lAsWntNI0>)

- * ellen arkboro: organ and brass, plays with droning chords

sebastian

- * beat / digital glitches / discrete pitches

- * how do we reconcile all of these elements? layers?

- * wekinator!!

- * <http://www.wekinator.org>

- * simple example: <https://youtu.be/NKyyBAKrQgE>


- * [William Basinski - The Disintegration Loops - YouTube](<https://youtu.be/mjnAE5go9dI>)

Nick

- * probe - horror movie ghost probe

- * device have a mind of its own / act as antagonist

- * performer can fake this

- * [Weekend Project: Listen to Weird Sounds from Electromagnetic Fields I Make:] (<https://makezine.com/projects/weekend-project-sample-weird-sounds-electromagnetic-fields/>)
- * [Elektrosluch 3  electromagnetic listening tool - YouTube](<https://www.youtube.com/watch?v=J-c0OoAF5WQ>)
- * elektrosluch

Serena

- * layers - pitch and background
- * what are some split instrument examples?
- * capacitive strum plate - t-stick / timing
- * harp pitch arrangement?
- * glove arpeggiator?
- * heart rate monitor

Brent

- * aesthetic goals: percussive sounds / rhythm production

- * euclidian sequencer?
- * [Simplest Euclidean Rhythm algorithm, explained – Computer Music Design]
(<https://www.computermusicdesign.com/simplest-euclidean-rhythm-algorithm-explained/>)
- * maybe use different loops for different layers?
- * easy muting / dipping
- * “problems and prospects” paper (oon Stellar) : dipping, scrubbing
- * “This kind of interface is most satisfying when there are multiple simultaneous musical processes of different timbres, allowing the performer to orchestrate the result in real time by selecting which processes will be heard”