# Data Science for Music

## MINI-SYMPOSIUM

## November 15, 2019 1:30– 4:30 PM

## Rackham Building 4th floor

### 1:30– 3:45 Presentations

**"Understanding and Mining Patterns of Audience Engagement and Creative Collaboration in Largescale Crowdsourced Music Performances"**

*Danai Koutra & Walter Lasecki, Computer Science and Engineering; Sang Won Lee, Computer Science, Virginia Tech*

**"Understanding How the Brain Processes Music through the Bach Trio Sonatas"**

*Daniel Forger, Mathematics; James Kibbie, Organ*

**"The Sound of Text"**

*Rada Mihalcea & Jonathan Kummerfeld, Computer Science and Engineering; Anıl Çamcı & Sile O'Modhrain, Performing Arts Technology*

**"A Computational Study of Patterned Melodic Structures Across Musical Cultures"**

*Somangshu Mukherji, Áine Heneghan, Nathan Martin, René Rusch, Music Theory; Long Nguyen, Statistics; Steven Abney, Linguistics*

### 3:45– 4:30 Panel Discussion: Data Science and the Future of Arts Research

**Moderator:** Marvin Parnes, former Executive Director of Arts Alliance for Research Universities
**Panelists:** Daniel Forger (Professor of Mathematics); Allie Lahnala (graduate student, Computer Science and Engineering); Sam Mukherji (Assistant Professor, Music Theory); Gregory Wakefield (Director of ArtsEngine, Professor of Electrical Engineering and Computer Science).

**For more information and to register please click <u>here</u>.**

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