

SIMSSA | Single Interface for Music Score Searching and Analysis

DDMAL

DISTRIBUTED DIGITAL MUSIC
ARCHIVES & LIBRARIES LAB



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SIMSSA

- ❖ Prototype for “Google scores” minus Google
 - ❖ OMR (optical music recognition) is required for full-text search
 - ❖ Sophisticated music query (based on ELVIS)
- ❖ Access to digitized scores world-wide from a single website
- ❖ Funded by SSHRC, FRQSC, & McGill: 2014–2022 (\$3.2M)

What would SIMSSA provide?

- ❖ Web-based optical music recognition (OMR) system
 - ❖ Workflow management system for large-scale optical music recognition processes: Rodan
 - ❖ Gamera + Aruspix (a combination of existing OMR software)
- ❖ Web-based user interface to view, search, annotate, and analyze scores
 - ❖ MEI (Music Encoding Initiative) by Perry Roland and others
 - ❖ Diva.js (web-based IIIF-compatible document delivery system)
 - ❖ VIS (Vertical Interval Succession) Framework



Greyscale

Binarization

Border Removal

Lyric Removal

Staff Removal

Shape Classification

Music Reconstruction

Shape/Image Alignment

CANTUS ULTIMUS PROJECT

Salzinnes demo

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