Neon: Full Manuscripts, Lyrics, and Staves

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What is Neon?
Neume Editor Online

- Web-based MEI 4.0 Editor
- Square notation
- Correction of OMR Process
Layering of MEI and Source Image
Where was Neon a year ago?
How much has changed?
MEI Validation & Neon Modules

- Validate loaded MEI file
  - Provide errors, if any
- Group Neon functionality into modules by purpose and by viewer
  - Allows easier development
  - Also leads to...

MEI Status: VALID
Neon and
But how do we know what MEI file corresponds to what manuscript page?
Neon Manifest

- Defines MEI file(s), image(s)
- Provides relationship between MEI and background images.
Text Bounding Boxes

- Represent zone associated with syllable text
- One text bounding box per syllable in all cases
- Automatically generated if data not in MEI file
- Editing features
We have to talk about hand-drawn staves.
What can we do about this?
Changes to Implement Skew (MEI)

```xml
<attDef ident="skew" usage="opt">
  <desc>Indicates the skew of the bounding box.</desc>
  <datatype>
    <rng:ref name="data.DEGREES"/>
  </datatype>
</attDef>
```

```xml
<classSpec ident="att.cue" module="MEI.shared" type="atts">
...
</classSpec>
```
What Comes Next?

- User testing
  - What works? What doesn’t? What are we missing?
  - Please try it:

https://ddmal.music.mcgill.ca/Neon/
Thank You

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