

Document Transformation Infrastructure

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Abstract.

Many people face barriers to accessing textual information due to visual, reading or language limitations. They need alternative formats to text such as Braille or audio. However, producing accessible formats is often expensive, time consuming, and requires special expertise and training. RoboBraille offers a cost-effective and timely manner to accessible material production. It provides fully automated conversion of text into a number of alternative formats, including mp3 files, Daisy full text/full audio, e-books or Braille books. As part of Prosperity4all project, RoboBraille will be adapted to fit into the overall technical architecture of the Global Public Inclusive Infrastructure (GPII), and interfaces for new conversion capabilities such as semantic structure recognition, text-to-sign language and language-to-language translation will be added.

Keywords. Accessibility, Document Transformation, Braille, e-books