Web Delivery of Music using the GUIDO NoteServer

Kai Renz
Darmstadt University of Technology
Computer Science Department
Wilhelminenstr. 7, D-64283 Darmstadt
Germany
renz@noteserver.org

Holger Hoos*
University of British Columbia
Computer Science Department
2366 Main Mall, Vancouver, BC
Canada V6T 1Z4
hoos@cs.ubc.ca

Abstract
GUIDO Music Notation is capable of adequately representing almost any kind of score-level music. The GUIDO NoteServer is an online service for converting arbitrary GUIDO descriptions into graphical images of the corresponding conventional scores. In this presentation, we describe the inner workings of the GUIDO NoteServer and how it is used to deliver high quality music scores through the web.

The GUIDO NoteServer
GUIDO Music Notation was first introduced in 1998 as a novel approach for adequately representing score-level music [1]. Based on a simple, yet powerful and easily extensible formalism, GUIDO is realised as a plain-text, human-readable and platform independent format. GUIDO can be completely embedded within XML using GuidoXML, which has been developed recently.

The GUIDO NoteServer is a free online service (available at http://www.noteserver.org) that converts GUIDO descriptions into graphics of conventional scores that can be viewed with a Web browser or can easily be embedded in Web pages. The original service has been greatly extended since 1998 to offer other important features like platform independent, interactive score notation using JAVA.

Figure 1 gives an overview of the architecture of the GUIDO NoteServer.

References

*Also affiliated with the Computer Science Department, Darmstadt University of Technology, Germany