WEDELMUSIC 2001
International Conference on WEB Delivering of Music
23-24 November, 2001, Florence, Italy
http://www.wedelmusic.org/medelmusic2001/

The popularity of Internet and multimedia has increased the need for rapid diffusion of culture in new formats. Since its beginnings, music has never shied away from incorporating the latest technological advances to maximise expressive power. Its pioneering role in the use of Internet technology to broadcast audio and music files continues to break new boundaries. Current state of the art still distributes music either on paper or on CD or similar media. However, the possibility to distribute music in several other formats, such as symbolic, audio (in its several available formats) and as images of music scores opens several new avenues for research. At the same time, Internet technologies are having a strong impact on system architectures and business processes, while new regulations are changing the distribution mechanisms of music in important ways. WEDELMUSIC-2001 aims to deal with these major topics in music-related fields, in order to address new ways to distribute music to larger audiences. The impact of these developments on cultural heritage will be considered, together with their availability to people with limited access to classical archives or libraries. In particular, proposals and solutions benefiting visually-impaired people are encouraged, to let everybody access this large and hidden cultural heritage. Tools for impaired people will contribute to broadening music playing and enjoyment. The conference focuses on both the challenges posed by Internet in its role as a major player for business changes and music distribution, as well as opportunities as a new infrastructure for enabling technology. In addition, this conference seeks to promote discussion and interaction between researchers, practitioners, developers and users of tools, technology transfer experts, and project managers. Of particular interest is the exchange of concepts, prototypes, research ideas, and other results which could both contribute to the academic arena and also benefit business and the industrial community. WEDELMUSIC-2001 will bring together a variety of participants to address not only different technical issues, but also the impact of Internet on the preservation of cultural heritage.

Program Committee: Program Committee: T. Anderson, Drake Music Project, USA; M. Arnold, FHG-IGD, DE; G. Assayag, IRCAM, FR; D. Baggi, CIMIT, Switzerland; J. Barthelemy, IRCAM, FR; P. Bellini, University of Florence, IT; E. Biganzoli, Suvini Zerboni, IT; D. Blostein, Queen's University, CA; A. Bonardi, IRCAM, FR; I. Bruno, University of Florence, IT; C. Busch, FHG-IGD, DE; D.A. Byrd, University of Massachusetts, USA; N. Carter, NPC Imaging, USA; P. Castine, independent composer, DE; A. Cotromano, Suvini Zerboni, IT; T. Crackford, King’s College, UK; R. B. Dannenberg, Carnegie Mellon University, USA; Giovanni De Poli, Università di Padova, IT; W. A. Dutsch, University of Vienna, AT; R. Della Santa, University of Florence, IT; F. Fingerhut, IRCAM, FR; F. Fioravanti, University of Florence, IT; L. Fiorentini, SMF, IT; F. Giomi, Tempo Reale, IT; P. Graziani, CNR-IROE, IT; G. Haus, Univ. Milano, IT; Yongmoo Kim, MIT MediaLab, USA; A. Lindsay, Lancaster University, UK; N. Mitolo, SMF, IT; S. Moro, Shylock, IP, Tesi, University of Florence… IT; T. Overmeire, SVB-FNB, NL; I. Orlarey, GRAME, FR; F. Pachet, Sony CSL, FR; A. Pomplio, University of Bologna, IT; S. Travas Pope, Normal OD, USA; V. Prig, IRCAM, FR; C. Roual, University of California, USA; R. Rossi, ARTEC, FR; Maria Carla Cavagnis Sotgiu, Discoteca di Stato, IT; F. Spadoni, RIGEL-ARTEC, FR; M. F. Spina, University of Florence, IT; A. Tatascioli, ARTEC, FR; D. Tucker, FORCE Foundation, NL; J. Zhao, MediaSec Technologies, USA.

Keynote Speaker: Denis Baggi
Technical Papers
• Web-Based Protection and Secure Distribution for Digital Music, Changsheng Xu, Yongwei Zhu, David Dagan Feng
• Real Time Musical Events Streaming Over Internet, Dominique, Fober, Yann Orlarey, Stephane Letz
• Content-Based Identification of Audio Titles On The Internet, Helmut Neuschmied, Harald Mayer, Elói Battle
• Saving the Multimedia Musical Heritage of Teatro Alla Scala for Querying In A Web-Oriented Environment, Loretta Diana, Elena Ferrari, Goffredo Haus
• Similarity in Computational Music: a Musicologist’s Approach, Jerome Barthelemy, Alain Bonardi
• Blind Detection of Multiple Audio Watermarks, Michael Arnold, Zongwei Huang
• Music Information Description by Mark-Up Languages Within db-Web Applications, Maurizio Longari, Goffredo Haus
• High Capacity Information Hiding in Music Scores, Martin Schmucker, Wolfgang Funk
• Using Musical Features for Watermarking Music Scores, Martin Schmucker
• Watermarking-Based Copyright Protection of Internet-Delivered Multimedia, Bartolin F., Barni, Piva A. M.
• Classification of Melodies By Composer With Hidden Markov Models, Emanuele Pollastri, Giuliano Simoncelli
• Audio Morphing Different Expressive Intentions for Multimedia Systems, Sergio Canazza, Giovanni De Poli, Carlo Diroli, Antonio Roda’, Alvise Vidolin
• Flycasting: Using Collaborative Filtering to Generate a Playlist for Online Radio, David B. Hauver, James C. French
• Karc: Radio Research, Florian Pestoni, Joel L. Wolf, Md Ahsan Habib, Amy Mueller
• Audio Watermarking for Automatic Cue Sheet Generation Systems, Caccia G., Lancini R., Mapelli F., Tubaro S.
• Globe Music: the Internet Scale of E-Music Making, Max Mühlhäuser, Michael Welzl, Jan Borchers, Rainer Gutzka
• Musical Data Mining for Electronic Music Distribution, Francois Pachet, Gert Westermann, Damien Laitre
• Watermarking Music Sheets While Printing, Monsignori M., Nesl P., Spina M. B.
• WEDELMusic Format: An XML Music Notation Format For Emerging Applications, Pierfrancesco Bellini, Paolo Nesi
• The Neural Network Model of Music Cognition Artist And Applications to the WWW, Frederic Piat
• The Recording Studio that Spanned a Continent, Jeremy R. Cooperstock
• Music Editors for Visually Impaired Persons: User Interface Specifications and System Design, Christos Malliopoulos, Spyros Raptis, Stelios Bakamidis, Anastasia Georgaki
• Automatic Formatting of Music Sheets, Bellini P., Della Santa R., Nesl P.
• Data Models for Virtual Distribution of Music Scores, Eleanor Selfridge-Field, Walter B. Hewlett, Craig Stuart Sapp
• Optical Music Sheet Segmentation, P. Bellini, I. Bruno, P. Nesl
• To Build Bridges Between Local, National and Global Cultures, Bernard Guenther
• Web Delivery Of Music Using The Guido Note-Server, Kai