



**2nd Intern. Conference on WEB
Delivering of Music
WEDELMUSIC 2002
9th - 11th December, Darmstadt
www.wedelmusic.org**

Final Programme

Day 1: December, 9th - Monday

(ten oral presentations, poster presentations and demonstrations)

09:30-09:45 Opening session: **Jóse L. Encarnação**
(Director of Fraunhofer IGD, Darmstadt, Germany)

09:45-10:45 Keynote speaker: **Karl-Heinz Brandenburg:**
Audio Coding and Electronic Distribution of Music
Fraunhofer IIS and Technical University Ilmenau, Germany)

10:45-11:45 **Session 1: Music Distribution**
(session chair: **Paolo Nesi, University of Florence, Italy**)

10:45-11:15 Public Sound Objects: A Shared Musical Space on the Web,
Alvaro Barbosa and Martin Kaltenbrunner, Universitat Pompeu Fabra, Spain

11:15-11:45 Peer-to-Peer Music-Sharing with Profit but Without Copy Protection,
Jürgen Nützel and Rüdiger Grimm, Technical University Ilmenau, Germany

11:45-12:00 (coffee break)

12:00-12:30 Multimedia Music Distribution and Sharing among Mediateques, Archives and
their Attendees,
P. Bellini, I. Bruno, R. Della Santa, M. Spinu, P. Nesi, University of Florence, Italy
J. Barthelemy, IRCAM, France

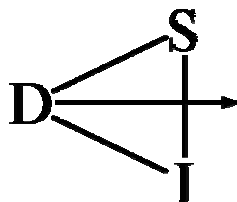
12:30-13:00 Concepts of the MUSITECH Infrastructure for Internet-Based Interactive Musical
Application,
Martin Giesecking and Tillman Weyde, University of Osnabrück

13:00-13:30 Protecting digital music delivery and consumption using the OCCAMM project
framework,
*Carlos Serrao, Joaquim Marques, Panos Kudumakis, Massimo Balestri and
Trevor Baker, ISCTE, Portugal*

13:30-14:30 (lunch break)



Institut
Graphische
Datenverarbeitung



**14:30-17:30 Session 2: Music Retrieval
(session chair: Kia Ng, ICSrIM, University of Leeds, UK)**

- 14:30-15:00 Evaluating Text-based Similarity Measures for Musical Content,
Andres Garay, Georgetown University, United States
- 15:00-15:30 A Unified Approach to Content-Based and Fault Tolerant Music Identification,
Michael Clausen and Frank Kurth, Institut für Informatik, Uni Bonn, Germany
- 15:30-16:00 The design method of a melody retrieval system on parallelized computers, *Tomonari Sonoda, Toshiya Ikenaga, Kana Shimizu and Yoichi Muraoka*, Waseda University, Japan
- 16:00-16:30 (coffee break)
- 16:30-17:00 Using natural language and audio analysis for a human- oriented MIR system,
Stephan Baumann, Andreas Klüter and Marie Noriel, Sonicson, Germany
- 17:00-17:30 Musical style identification using self-organising maps,
Pedro J. Ponce de León and José M. Inesta, Universidad de Alicante

17:30-19:00 poster presentation (discussion with the authors) and demos

- Tune retrieval based on the similarity of melody
Y. Nakagawa, Y. Nakamura
- Security Issues in High Quality Audio Streaming
P. Horvatic, N. Schiffner
- Restructuring Reference Works through Multimedia Content
T. Johnson
- An application for multimedia content management and on-line distribution
R. Lenzi, F. Spadoni, A. Tatarelli
- A study to design multimedia interactive software for the preparation of pre-service music educators
E. Burkett, O. Hatcher, G. Ohlenbusch
- Virtual Composer: an integrated tool for musical composition
R. Santoboni, A.R. Ticari, M. Clementi
- A Scientific Approach to Musical Education
P. Fergola, E. Gambardella
- Perceptual Analysis Related to MPEG1-layer3 Audio-coding System
S. Serrano Alarcón

Demonstrations

- AudioID, Fraunhofer IIS, *Eric Allamanche*
- Query by Humming system, Fraunhofer IIS, *Franz Klefenz*
- Wedelmusic Demonstration, *Paolo Nesi, Pierfrancesco Bellini*

19:00 Social event, diner, demos and poster presentation

Day 2: December, 10th - Tuesday (twelve oral presentations)

**09:00-10:30 Session 3: Education/Learning/Cooperative Work
(session chair: Max Mühlhäuser)**

- 09:00-09:30 Personal Orchestra: Conducting Audio/Video Music Recordings,
Jan Borchers, Max Mühlhäuser and Wolfgang Samminger, Stanford University, United States
- 09:30-10:00 Music Learning through Visualization,
Rumi Hiraga, Funiko Watanabe and Issei Fujishiro, Bunkyo University, Ochanomizu University, Japan
- 10:00-10:30 Representation and Rendering of Rhythmic Structures,
Carlos Agon, Karim Hadda and Gerard Assayag, IRCAM, France

10:30-10:45 (coffee break)

**10:45-12:15 Session 4: Digital Rights and Law
(session chair: Vincent Puig, IRCAM, Paris, France)**

10:45-11:15 Digital Right Management systems toward European law,
Melanie Dulong de Rosnay,
University Paris X, France

11:15-11:45 Standardisation of the management of Intellectual Property Rights in
multimedia content,
Jaime Delgado and Isabel Gallego,
Universitat Pompeu Fabra

11:45-12:15 Music Plagiarism Multimedia Project at Columbia Law School Library
Charles Cronin,
Columbia Law School

12:15-13:30 (lunch break)

**13:30-16:30 Session 5: Digital Watermarking (session chair: Christoph
Busch, Fraunhofer-IGD, Darmstadt, Germany)**

13:30-14:00 General Blind Watermark Schemes,
Liu Yong Liangs ,
Harbin Institute of Technology, China

14:00-14:30 Audio Digital Watermarking based on Hybrid Spread Spectrum,
Eric Grivel,
University. Bordeaux

14:30-15:00 (coffee break)

15:00-15:30 Real-time Concepts For Blockbased Watermarking Schemes,
Oliver Lobisch and Michael Arnold,
Fraunhofer-IGD, Darmstadt, Germany

15:30-16:00 Subjective and Objective Quality Evaluation of Watermarked Audio Tracks,
Michael Arnold,
Fraunhofer-IGD, Darmstadt, Germany

16:00-16:30 Staff Line Features as Information Carrier,
Martin Schmucker,
Fraunhofer-IGD, Darmstadt, Germany

19:30 Social event (diner at Mathildenhöhe)

Day 3: December, 11th - Wednesday (six oral presentations)

**09:00 Session 6: Audio Coding and Music Processing (session
chair: Michael Arnold Fraunhofer-IGD, Darmstadt, Germany)**

09:00-09:30 Automatic Extraction of Drum Tracks from Polyphonic Music Signals,
Aymeric Zils,
Sony CSL, France

09:30-10:00 Lossless Audio Coding with MPEG-4 Structure Audio,
Nikolaos Vasiloglou(+), Ronald Schafer(+) and *Mat Hans(*)*,
(+)Georgia Institute of Technology,
(*)Hewlett-Packard Laboratories, United States

10:00-10:30 Towards Accessible Multimedia Music,
D. Crombie, S. Dijkstra, R. Lenoir, N. McKenzie, E. Schut
FNB (Dutch Federation of Libraries for the Blind), Amsterdam, Netherlands

10:30-10:45 (coffee break)

10:45-12:15 Session 7: Music Notation (session chair: Aymeric Zils, Sony CSL, France)

10:45-11:15 Automated Image Analysis of Music Notations,
Nailja Luth,
ZGDV, Rostock

11:15-11:45 The NEUMES Project: Digital Transcription of Medieval Chant Manuscripts,
Louis W.G. Barton,
Harvard University,

11:45-12:15 Developing Traditions of Music Notation and Performance on the Web,
James Ingram,
Bonn, Germany

12:15-13:30 (lunch)

Please see below for more information on the open workshop of the INTERACTIVE MULTIMEDIA MUSICNETWORK.

Additional information

Oral presentation:

The time for each speaker is limited to 30 minutes. Therefore each speaker's presentation should not last more than 25 minutes to allow at least five minutes of discussion.

Poster presentation and demonstrations:

Posters presentations and demonstrations can be given during the entire conference. Discussions with the author are scheduled on the first day between 17:30 and 19:00.

Additional Official Sponsor

International Songwriting Competition
<http://www.songwritingcompetition.com>



1st MUSICNETWORK
Open Workshop
December, 11-12
Darmstadt, Germany
www.interactivemusicnetwork.org



The MUSICNETWORK is free access workshop colocated with the [WEDELMUSIC2002](#) conference.

Programme

The access at the workshop is free. To allow us to better tune the organization machine, please inform us at the registration desk with the section names of your interest compiling the specific FORM

December 11 th 2002	
8.30	A1) - The MUSICNETWORK goals and activities (ROOM_A)
9.00	A6) - Tutorial "a Comparison and analysis of music notation models" author: Eleanor Selfridge-Field (ROOM_A)
10.30	A2) - The perfect Structure for a Music Notation Language (ROOM_A) B1) - Multimedia Music Imaging: Digitisation, Restoration, Recognition and Preservation of Music Scores and Music Manuscripts (ROOM_B)
12:00	Lunch
13:00	A3) - The next agenda for music libraries: How to keep pace with technological, legal and standardisation developments (ROOM_A) B2) - Protecting Music: myths and reality !! (ROOM_B)
14.30	A5) - The integration of Multimedia Standards and Music Notation (ROOM_A)
16:00	A4) - The perfect Business model for Music Distribution (ROOM_A) B3) - Music Accessibility for all (ROOM_B)
17:30	Special Section on MUSIC4ALL Integrated Project
December 12 th 2002	
8.30	A7) - The MUSICNETWORK goals and activities (ROOM_A)
9.00	A8) - Converting old music sheets with digital technology with minimal effort and cost
10:00	A9) - New Models and Tools for accessing music for impaired people (ROOM_A) B4) - What is Multimedia Music ? (ROOM_B)
11:00	A10) - Protecting music over the P2P applications (ROOM_A) B5) - Fixing the moving target for archive and digitisation technologies (ROOM_B)
12:00	Lunch
13:00	A11) - XML Coding of Music Notation (ROOM_A) B6) - The perfect Business Model for e-music and e-commerce (ROOM_B)
14:00	MUSICNETWORK Comittee Meeting
16:00	Closure

Experts that will be present at the Workshop presenting their position:

Alessandro Moro, Shylock, Italy
 Bertrand Coüasnon, IRISA, France
 Bernhard Guenther, mica - music information center austria, Austria
 Caldas Pinto, Universidade Técnica de Lisboa, Portugal
 Christoph Busch, FHG-IGD, Germany
 David Crombie, FNB, The Netherlands
 Davide Fuschi, ILABS, Giunti Multimedia, Italy
 Eleanor Selfridge-Field, Stanford, USA
 Francesco Spadoni, RIGEL, Italy
 Giorgio Zoia, EPFL, Swiss
 Giuseppe Nicotra, Arca, Italy
 H. Robert Cohen, RIPM, USA
 Harald Mayer, Institute of Information Systems & Information Management, Austria
 Jerome Barthelemy, IRCAM, France

Kia Ng, University of Leeds, UK
 Mark Mumford, MusicWorks, Finale Coda software, UK
 Mark Sandler, Queen Mary, University of London, UK
 Martin Schmucker, FHG-IGD, Germany
 Martínez Calvo Francisco, ONCE, Spain
 Michael Good, Recordare, USA
 Nicola Bernardini, Centro Tempo Reale, Italy
 Paolo Nesi, DSI University of Florence, Italy
 Peter Rantasa, mica - music information center austria, Austria
 Pierfrancesco Bellini, DSI University of Florence, Italy
 Roger Firman, RNIB, UK
 Ton Overmeier, FNB, The Netherlands
 Wolfgang Krueger, IAML, Germany

And many many others that have confirmed they presence after the production of the programme