Current developments in the cross media domain require innovative and new technologies to meet the challenges of the marketplace. The AXMEDIS conference combines the activities of the WEDELMUSIC conference series (www.wedelmusic.org) with the AXMEDIS consortium.

This event seeks to promote discussion and interaction between researchers, practitioners, developers and users of tools, technology transfer experts, and project managers. AXMEDIS-2005 will bring together a variety of participants from the academic, business and industrial worlds, to address different technical and commercial issues. Particular interests include the exchange of concepts, prototypes, research ideas, industrial experiences and other results.

The conference focuses on the challenges in the cross-media domain (including production, protection, management, representation, formats, aggregation, workflow, distribution, business and transaction models), and the integration of content management systems and distribution chains, with particularly emphasis on the reduction of costs and solutions for complex cross-domain problems.

**Preliminary Program includes**

- Scientific and industrial Papers
- Tutorials
- Presentation of AXMEDIS Call for Take Up
- Workshop on MUSICNETWORK and MPEG Symbolic Music Representation
- Educational solutions, Music and Multimedia, Interactive Music
- Workshop on The role of collecting societies in the digital era
- Workshop on Virtual Goods Technical, Economic and Legal Aspects of Business Models for Virtual Goods
- Panel on European Accessible Information Network (EUAiN)

**References**

- Email: conference@axmedis.org
- Website: http://www.axmedis.org/axmedis2005

**Detailed Program**

**Opening with**

- Consigliere Paolo Vigevano, *Head of the Technical Secretariat of the Italian Minister for Innovation Technologies*
- Prof. Augusto Marinelli, *Magnifico Rettore Universita’ degli Studi di Firenze*
- Dr. Enrico Bocci, *responsabile for the Presidency of Assindustria Firenze for the Information Technologies*
- Prof. Paolo Nesi, *Coordinator of AXMEDIS, Universita’ degli Studi di Firenze, DSI, DISIT*

**Scientific papers**

**Section: Architecture**

- *A Mix-Down Assistant Interface with Reuse of Examples - H. Katayose, A. Yatsui, M. Goto*
- *AXMEDIS Tool Core for MPEG-21 Authoring/Playing - P. Bellini, P. Nesi, D. Rogai, A. Vallotti*

**Section: Content Market**


**Section: Content Modeling**

- *MXDemo: a Case Study about Audio, Video, and Score*

**Section: Content Distribution**

- *Innovative Applications for Content Distribution & Consumption in Tourism & Education using PDA or Mobiles - D. L. Fusch, G. Bo, Y. Saadia*
- *Workflow Data Exchange Semantics, Object Discovery & Integration Architecture for Cross Media Production & Distribution - A. Badia, M. Sailor, C. Marangoni, A. Neglia, and L. Pearce*

**Section: Semantics and Knowledge**

- *Semantic Audio Hyperlinking: a Multimedia-Semantic Web scenario – G. Tummarello, C. Morbidoni, P. Puliti, F. Piazza*
- *The LOA Customizable Media Aggregator - G. Attardi, A. Carboni, E. Del Dottore, P. Di Marcello*
- *An Architecture of Automation Producing of Cross Media Content for Multi-channel Distribution - P. Bellini and P. Nesi*
- *A Distributed Environment for Automatic Multimedia Content Production based on GRID - P. Bellini, I. Bruno, P. Nesi*

**Section: Security and Digital Rights Management, I**

- *On Multicast Fingerprinting and Collusion Security - Josep D. Ferrer, E. de F. Sebè, A. Martínez-Ballesté*
- *Interoperability Between Different Rights Expression Languages and Protection Mechanisms - J. Prados, E. Rodriguez, J. Delgado*

**Section: Content Tools**

- *Market Potential for Interactive Audio-Visual Media - A. Leudijk and S. Limonard*
- *Agent-based Simulation for Modelling the Distribution of Online Music - S. Schuster and N. Gilbert*
- *Gaming or Sharing of LAN-Parties — What is going on? – M. Fetscherin, C. Kaskiris, and F. Wallenberg*
- *Bringing Music Industry into the Interactive Multimedia Age - D. Crombie, D.d Fuschi, N. Mitolo, P. N., K. Ng, B. Ong*

**Section: Standards**

- *Use of Standards for Implementing a Multimedia Information Protection and Management System – V. Torres, E. R., S. Llorente, J. Delgado*
- *Efficient Delivery within the MPEG-21 Framework – S. Davis and L. Burnett*
- *Performance Profile for an Embedded Java OMA DRM 2 Agent - D. Thull*
- *MPEG-7 and the Semantic Web: An Hybrid Approach for Semantic and Behavioral Descriptions in Interactive Object-Oriented Multimedia Applications - Y. Naudet, D. Mathewon, A. Vagner*

**Section: Peer-to-Peer and Distribution**

- *Designing Peer-to-Peer Systems for Business-to-Business Environments - D. Carboni, M. Deriu, C. Lai, A. Pintus*
- *BitTorrent in a Dynamic Resource Adapting Peer-to-Peer Network - L. Röng and I. Burnett*

**Section: Content and Distribution Services**

- *A Music Recommendation System Based on Annotations about Listeners’ Preferences and Situations - K. Kaji, K. Hirata, K. Nagao*
Section: Distribution and reporting

Digital Content Distribution System, Case Study Presentation – P. Sire


Section: Cultural Heritage

An Archive of Multimedia Objects on-Line Using WEDELMUSIC: the Experience of Arcipelago Music Study Center – R. Lonocce, Arcipelago Musica, Milan, Italy

European Projects for Art Schools: The MultimedArt Project – E. Delle Donne, PIXEL

New services for the public in a technology-related approach: the AXMEDIS project inside Accademia Nazionale di Santa Cecilia – A. Bini, R. Grisley, T. dell’Orto (Accademia Nazionale di Santa Cecilia)

European Projects for Art Schools: The Art-Net project – E. Delle Donne, PIXEL

Section: Content Modeling and Gathering


Cross-media authoring tools in academic practices – J. Bierhoff, J. Bierhoff, J. Bierhoff

Focuseek Crawler for gathering content – J. Vallianen, K. Modee, F. Munich

Jackson: DJ Software Powered by Musical Metadata – F. Van Aeken

Section: Mobile Applications

m_Replace: Mobile Sports Replay and Fan Democracy – P. F. Riley (University of California, Berkeley, US), E. Schubert (University of Munich, Germany)

Dilithium networks – C. Sironi, ADNetwork

Industrial Application in the mobile video sector – A. Lombardi, DATAMAT

Section: Distribution and reporting

Digital Content Distribution System, Case Study Presentation – P. Sire


Keeping Control of Online Assets Using Windows Media DRM 10 – D. Burbidge, Stream UK Media Services Limited, UK

Musicnetwork Workshop

MPEG Symbolic Music Representation, history and facts – P. Bellini (DSI, Italy), M. Campanai (EXITECH, Italy), P. Nesi (DSI), G. Zoia (EPFL, CH)

Accessible Symbolic Music Representations – D. Crombie, R. Lenoir, N. McKenzie (FNBO, The Netherlands)

Meaningful mapping: Appreciating music through accessible structures – D. Crombie, R. Lenoir, N. McKenzie (FNBO, The Netherlands)

MPEG Symbolic Music Representation and Music Education Software – T. Weide (City University London, UK)

The Symbolic Music Representation of Traditional Korean Music - Yong-Soo Choi, Hyo-Young Joong KIM (Kangwon National University, Korea)

Integrating music representations within MPEG environments – D. Crombie, R. Lenoir, N. McKenzie (FNBO, The Netherlands)

Panel: The role of collecting societies in the digital era

Welcome and introduction – I. Longo AFI Int’l Coordinator

DRM: approach from the Authors’ Collecting Societies – M. Gauvin, SDAE International Relations (Spain)

Artists rights management: from SIREX project to the DRM – M. Sanssain General Manager IMAIE (Italy)

Producers rights collective management perspective – D. McCongil Director, Government Relations (Phonographic Performance Limited UK)

The FastTrack network: overview and aims – A. Brunetti SIAE (Italy)

Workshop on Virtual Goods

The Future of a Service-Focused Recorded Music Industry - S. Graham Saunders

An economic analysis of music download platforms – A. Will

The Value of Metadata in the Digital Music Industry – M. Cremer, P. DiMaria


iRights.info: The need for reliable and trustworthy consumer information after copyright revision in Germany – M. Spiekamp

Justice Psychology meets Digital Rights Dilemma – N. Döring, F. Fellenberg

Automatic Image Theft Detection in eBay by Digital Watermarking – M. Steinebach, E. Kremer, L. Croce Ferri

Multi-Level Markets for Virtual Goods – A. U. Schmidt

Alternative Distribution Models based on P2P – M. Schmucker, P. Ebinger

An Incentive Based Distribution System for DRM Protected Content Using Peer-to-Peer Networks – H. Rajasekaran

Business models for location based access to cultural heritage - L.-F. Pau, B. Rees

Panel: European Accessible Information Network (EUAIN)

Open Source and Open Standards as tools for accessibility – D. Crombie, R. Lenoir, B. Guillou, N. McKenzie, (FNBO, The Netherlands)

EUAIN Overview – D. Crombie, R. Lenoir, N. McKenzie, (FNBO, The Netherlands)

Managing electronic content for adaptation to the reader’s profile: project Multitable for the inclusion of e-Learners with disabilities - T. Barbieri, A. Bianchi, L. Shattell, F. Corella, M. Ferrà, P. Santini

Tutorials

MPEG-7 and MPEG-21 Tutorial: C. Timmerer and H. Hellwagner, Klagenfurt University, Department of Information Technology (ITEC)

AXMEDIS Tutorial general overview

AXMEDIS Architecture and benefits

why AXMEDIS is useful for your business and/or research

solution for content production, processing protection and
### Conference Programme

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<th>Session</th>
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<td>1st December</td>
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<td>Welcome cocktail</td>
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<tr>
<td>1st December</td>
<td>09:00-10:00</td>
<td>Tutorial on content production</td>
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<tr>
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<td>10:00-10:30</td>
<td>Content Model, AXMEDIS model, GRID production and process of content</td>
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<td>10:30-11:00</td>
<td>massive protection of content, production on demand, etc.</td>
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<td>11:00-12:00</td>
<td>Tutorial on content distribution</td>
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<td>12:00-13:00</td>
<td>Content distribution and protection</td>
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<td>13:00-14:00</td>
<td>exploiting AXMEDIS framework for your distribution chain</td>
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<td>14:00-15:00</td>
<td>Content Distribution towards PC via Internet</td>
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<td>Content Distribution by using satellite data broadcast</td>
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<td>Content Distribution towards PDA via Kiosk, for museums, cinemas, disco, events, theatres, etc.</td>
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<td>17:00-18:00</td>
<td>Tutorial on Usability</td>
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<td>18:00-19:00</td>
<td>Tutorial on user-centred product creation - Elke-Maria Melchior (ACTIT, Germany)</td>
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<td>Planetary registration</td>
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<td>09:00-09:30</td>
<td>Opening</td>
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<td>Tutorial on the Call for taking up SME’schoris</td>
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<td>PDES DEMO Workshop</td>
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<td>Practical session: the role of collecting Malware in the digital era</td>
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For the updated conference programme please visit the following web site: [http://www.axmedis.org/axmedis2005/](http://www.axmedis.org/axmedis2005/)
First International Conference on Automated Production of Cross Media Content for Multi-channel Distribution

www.axmedis.org

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