



1st International Conference on Automated Production of Cross Media Content for Multi-channel Distribution

Convitto della Calza, Oltrarno Meeting Centre
Piazza della Calza, Florence, Italy, 30 November - 2 December 2005

<http://www.axmedis.org/axmedis2005>

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 Vigeveno, *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, *responsible 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

- *Managing Intellectual Property Rights in the WWW: Patterns and Semantics* - R. Gil, R. Tous, J. Delgado
- *Doc@Hand: Information and Knowledge Natural Language Ontology-driven Access Through Web Services in the Healthcare Domain*, M. Simonov, L. Sammartino, M. Ancona, S. Pini, W. Cazzola, M. Frascio

Section: Content Modeling

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

- *Synchronization* - A. Baratè, G. Haus, L. A. Ludovico, G. Vercellesi
- *Producing Music with N - Delta Interfaces* - D. Margounakis, D. Politis
- *Real-time Synthesis and Transformation of Ambient Sounds* - D. Dobler
- *Estimating Quality of Playlists by Sight* - A. Andric, G. Haus

Section: Content Distribution

- *New Stream Caching Schemas for Multimedia Systems* - J. Fernandez, J. Carretero, F. García-Carballeira, A. Calderón, J. M. Perez
- *StreamOnTheFly: a Peer-to-peer Network for Radio Stations and podCasters* - R. Alton-Scheidl, A. Micsik, M. Pataki, W. Reutz, J. Schmidt, T. Thurner
- *Innovative Applications for Content Distribution & Consumption in Tourism & Education using PDA or Mobiles* - D. L. Fuschi, G. Bo, Y. Saadia
- *Workflow Data Exchange Semantics, Object Discovery & Integration Architecture for Cross Media Production & Distribution* - A. Badii, 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 Automating Production 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: Content Security and Digital Rights Management, I

- *On Multicast Fingerprinting and Collusion Security* - Josep D. Ferrer, 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. Leurdijk and S. Limonard
- *Agent-based Simulation for Modelling the Distribution of Online Music* - S. Schuster and N. Gilbert
- *Gaming or Sharing at 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 I. 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. Mathevon, 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. Rong 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

- *Weblog-style Video Annotation and Syndication* - D. Yamamoto, S. Ohira, and K. Nagao
- *Experimental Validation of a Service Oriented Network Architecture Applied to Global Grid Computing* - B. Martini, F. Baroncelli, P. Castoldi, A. Aprigliano
- *AXMEDIS Framework for Programme and Publication and On-Demand Production* - K. Ng, B. Ong, R. Neagle, P. Ebinger, M. Schmucker, I. Bruno, P. Nesi

Section: Content Security and Digital Rights Management, II

- *Keyword Extraction in Open-Domain Multilingual Textual Resources* - A. Panunzi, M. Fabbri, and M. Moneglia
- *Cross Media Digital Rights Management for Online Music Stores* - Konstantinos Chorianopoulos, J. Barria, T. Regner, and J. Pitt
- *Watermark: From Paper Texture to Digital Media* - H. Hiary and K. Ng

Poster Section

- *Peer-to-Peer Internet Television* - P. Hulsen, E. Vlemmix, K. Baker
- *A Visual Interface for Conducting Digitally Stored Music – A Proposal* - R. Behringer
- *A Protected Digital Item Declaration Language for MPEG-21* - S. Lauf and I. Burnett
- *Object Life Cycles & Interaction Environments for Cross Media Production & Distribution* - A. Badii, M. Sailor, C.o Marangoni, A. Neglia, L. Pearce
- *RADAMES A New Management Approach to Opera: Repertory, Archives and Related Documents* - A. Pompilio, L. Bianconi, F. Regazzi, P. Bonora
- *BeLearning: Accessibility in Virtual Knowledge Spaces for Mathematics and Natural Sciences* - N. Dahlmann, S. Jeschke, R. Seiler, H. Vieritz
- *The INTRINSIC Project: Helping Regional Identity Products Thrive in the Internet Age* - S. Lusso, F. Tariffi, and P. Alongi
- *SCALEX - Personalized Adaptive Multimedia Information System for Museums and Exhibitions* - J. Martin

Industrial Papers

Section: Cultural Heritage

- *An Archive of Multimedia Objects on-Line Using WEDELMUSIC: the Experience of Arcipelago Music Study Center* – R. Lonoce, 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

- *Identifying and Defining Customer Orientated Best Practice Business Models within a Cross Media Environment – The INCCOM Projec.* – J. Vallanen, K. Modee, F. Munich, L. K. Brown
- *Cross-media authoring tools in academic practices* – J. Bierhoff, European Centre for Digital Communication
- *Focusseek Crawler for gathering content* – N. Baldini, PSION soft
- *Jackson: DJ Software Powered by Musical Metadata* – F. Van Aeken

Section: Mobile Applications

- *mReplay: Mobile Sports Replay and Fan Democracy* – P. F. Riley (University of California, Berkeley, US), E. Schubert (University of Munich, Germany)
- *Dilithium networks* – C. Sironi, AIDnetwork
- *Industrial Application in the mobile video sector* – A.. Lombardi, DATAMAT

Section: Distribution and reporting

- *Digital Content Distribution System, Case Study Presentation* – P. Sire
- *Digital Items: Event Reporting Integration with Company Business Models* – F. Fioravanti, M. Spinu, M. Campanai, Exitech, Italy

- *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 (FNB, The Netherlands)
- *Meaningful mapping: Appreciating music through accessible structures* – D. Crombie, R. Lenoir, N. McKenzie, (FNB, 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, Hyoung-Joong KIM (Kangwon National University, Korea)
- *Integrating music representations within MPEG environments* – D. Crombie, R. Lenoir, N. McKenzie (FNB, 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. Sansaini General Manager IMAIE (Italy)
- *Producers rights collective management perspective* – D. McGonigal 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 Industr* - 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
- *Privacy for Digital Rights Management Products and their Business Cases* – R. Grimm
- *iRights.info: The need for reliable and trustworthy consumer information after copyright revision in Germany* – M. Spielkamp
- *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 on European Accessible Information Network (EUAIN)

- *Open Source and Open Standards as tools for accessibility* – D. Crombie, R. Lenoir, B. Guillon, N. McKenzie, (FNB, The Netherlands)
- *EUAIN Overview* – D. Crombie, R. Lenoir, N. McKenzie, (FNB, The Netherlands)
- *Managing electronic content for adaptation to the reader's profile: project MultiAbile for the inclusion of e-Learners with disabilities* - T. Barbieri, A. Bianchi, L. Sbattella, F. Carella, M. Ferra, P. Santini

Tutorials

- *MPEG-7 and MPEG-21 Tutorial:* C. Timmerer and H. Hellwagner, Klagenfurt University, Department of Information Technology (ITEC)
 - o MPEG Standards Enabling Universal Multimedia Access
- *AXMEDIS Tutorial general overview*
 - o AXMEDIS Architecture and benefits
 - o why AXMEDIS is useful for your business and/or research
 - o solution for content production, processing protection and

distribution

- **AXMEDIS Tutorial on content production**
 - o Content Model, AXMEDIS model, GRID production and processign of content
 - o massive protection of content, production on demand, etc.
- **AXMEDIS Turorial on content distribution**
 - o Content distirbution and protection
 - o exploiting AXMEDIS framework for your distribution chain
 - o Content Distribution towards PC via Internet
 - o Content Distribution by using satellite data broadcast
 - o Content Distribution towards PDA via Kiosk, for museums, cinemas, disco, events, theathres, etc.
- **AXMEDIS Tutorial on Usability**
 - o *Tutorial on user-centred product creation* - Elke-Maria Melchior (ACIT, Germany)

Conference Programme

30 November			
Plenary	Room 1	Room 2	
09:00-09:30 registration	09:30-10:00 Opening	10:00-10:30 coffe break	10:30-11:00 Keynote speaker Dr. Leonardo Chiariglione
11:00-11:30 Architecture	11:30-12:00 Content Market	12:00-12:30 Security DRM	12:30-13:00 lunch
13:00-13:30 Content Modeling	13:30-14:00 Content Standards	14:00-14:30 AXMEDIS Tutorial General Overview	14:30-15:00 coffe break
15:00-15:30 Content Modeling	15:30-16:00 coffe break	16:00-16:30 AXMEDIS Tutorial General Overview	16:30-17:00 Content Distribution
17:00-17:30 Cultural Heritage	17:30-18:00 AXMEDIS Tutorial General Overview	18:00-18:30 Content Distribution	18:30-19:00 Welcome cocktail
19:00-19:30 Welcome cocktail	19:30-20:00 Welcome cocktail	20:00-..... Welcome cocktail	
1st December			
Plenary	Room 1	Room 2	Room 3
09:30-10:00 registration	09:30-10:00 Presentation of the Call for take up action, aim of AXMEDIS framework	10:00-10:30 coffe break	10:30-11:00 MPEG Tutorial
11:00-11:30 Panel "The role of Collecting Societies in the digital era"	11:30-12:00 coffe break	12:00-12:30 MPEG Tutorial	12:30-13:00 MPEG Tutorial
13:00-13:30 Semantics and knowledge	13:30-14:00 coffe break	14:00-14:30 AXMEDIS Tutorial Content Production	14:30-15:00 MN-MPEG SMR Workshop
15:00-15:30 Content and Distribution Services	15:30-16:00 coffe break	16:00-16:30 AXMEDIS Tutorial Content Production	16:30-17:00 MN-MPEG SMR Workshop
17:00-17:30 Content Modeling and Gathering	17:30-18:00 coffe break	18:00-18:30 AXMEDIS Tutorial Content Production	18:30-19:00 MN-MPEG SMR Workshop
19:00-19:30 Social Dinner	19:30-20:00 Social Dinner	20:00-..... Social Dinner	
2nd December			
Plenary	Room 1	Room 2	
09:30-10:00 Mobile Applications	09:30-10:00 Distribution and Reporting	10:00-10:30 coffe break	10:30-11:00 AXMEDIS Tutorial Distribution
11:00-11:30 European Accessible Information Network	11:30-12:00 coffe break	12:00-12:30 P2P Distribution	12:30-13:00 AXMEDIS Tutorial Content Distribution
13:00-13:30 Content Tools	13:30-14:00 coffe break	14:00-14:30 Virtual Good Workshop	14:30-15:00 AXMEDIS Tutorial on Usability
15:00-15:30 Security DRM descriptors	15:30-16:00 coffe break	16:00-16:30 Virtual Good Workshop	16:30-17:00 AXMEDIS Tutorial on Usability
17:00-17:30 Closing Session	17:30-18:00 Closing Session	18:00-18:30 Closing Session	18:30-19:00 Closing Session

For the updated conference programme please visit the following web site: <http://www.axmedis.org/axmedis2005/>

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Conference Location:

Convitto della Calza, Oltrarno Meeting Centre,
Piazza della Calza, Florence, Italy
<http://www.axmedis.org/axmedis2005/location.html>

Conference Programme:

<http://www.axmedis.org/axmedis2005/program.html>

Registration Form:

<http://www.axmedis.org/axmedis2005/registration.html>
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Accommodation:

<http://www.axmedis.org/axmedis2005/accomodation.html>

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www.axmedis.org



AXMEDIS Consortium



To:

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