



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)

Conference Programme

AXMEDIS 2005													
	30 November				1st December				2nd December				
	Plenary	Room 1	Room 2		Plenary	Room 1	Room 2	Room 3	Plenary	Room 1	Room 2	Room 3	
09:00-09:30	registration				registration					Distribution and Reporting		AXMEDIS Tutorial Distribution	MPEG AHG on SMR
09:30-10:00	Opening				Presentation of the Call for take up action, aim of AXMEDIS framework				MPEG Tutorial	coffe break			
10:00-10:30													
10:30-11:00	coffe break				coffe break								
11:00-11:30	Keynote speaker Dr. Leonardo Chiariglione				coffe break								
11:30-12:00					Panel "The role of Collecting Societies in the digital era"				MPEG Tutorial	European Accessible Information Network	P2P Distribution	AXMEDIS Tutorial Content Distribution	MPEG AHG on SMR
12:00-12:30	Architecture	Content Market	Security DRM							lunch			
12:30-13:00													
13:00-13:30	lunch				lunch								
13:30-14:00													
14:00-14:30	Content Modeling		Content Standards	AXMEDIS Tutorial General Overview	Semantics and knowledge	poster section	AXMEDIS Tutorial Content Production	MII-MPEG SMR Workshop	Content Tools	Virtual Good Workshop	AXMEDIS Tutorial on Usability	MPEG AHG on SMR	
14:30-15:00										coffe break			
15:00-15:30													
15:30-16:00	coffe break				coffe break								
16:00-16:30	Content Distribution		Cultural Heritage	AXMEDIS Tutorial General Overview	Content and Distribution Services	Content Modeling and Gathering	AXMEDIS Tutorial Content Production	MII-MPEG SMR Workshop	Security DRM descriptors	Virtual Good Workshop	AXMEDIS Tutorial on Usability	Assembly Musicnetwork Association MIA	
16:30-17:00													
17:00-17:30													
17:30-18:00													
18:00-18:30													
18:30-19:00										Closing Session			
19:00-19:30													
19:30-20:00	Welcome cocktail												
20:00-					Social Dinner								

Detailed Program

Opening with

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

Keynote Speaker

- Balancing Protection of Intellectual Property and its Use
Leonardo Chiariglione, CEDEO (I), (www.chiariglione.org)

Scientific papers

Section: Architecture (chair: David Carboni, CRS4, Italy)

- *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 (chair: David Fuschi, ILABS, Italy)

- *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 (chair: Laurence Perarce, XIM, UK)

- *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 (chair: Domenico Dato, TISCALI, Italy)

- *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 (chair: Kia Ng, University of Leeds, UK)

- *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: Security DRM - Content Security and Digital Rights Management, I (chair: Andrea Vallotti, DSI, University of Florence, Italy)

- *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 (chair: Royce Neagle, University of Leeds, UK)

- *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 (chair: Giorgio Zoia, EPFL, CH)

- *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 (chair: Jaime Delgado, University Pompeu Fabra, Spain)

- *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 (chair: Fabrizio Fioravanti, EXITECH, Italy)

- *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: Security DRM Descriptors - Content Security and Digital Rights Management, II (chair: Silvia Llorente, University Pompeu Fabra, Spain)

- *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 (chairs: Atta Badii, IRC, UK; Claudio Marangoni, HP, Italy)

- *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 (chair: David Crombie, FNB, The Netherlands)

- *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 MultimediArt 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 (chair: Ivan Bruno, DSI, University of Florence, Italy)

- *Identifying and Defining Customer Orientated Best Practice Business Models within a Cross Media Environment – The INCCOM Project.* – J. Vallanen, K. Modee, F. Munich, L. K. Brown
- *Focusseek Crawler for gathering content* – N. Baldini, PSION soft
- *Jackson: DJ Software Powered by Musical Metadata* – F. Van Aeken
- *Multimedia Content Management and Streaming Services Platform* - Alberto Canadé, Datamat Spa

Section: Distribution and reporting (chair: Orazio Pulvidenti, EUTELSAT, FR)

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

Section: Music and sound

- *S2S² action, Sound to Sense, Sense to Sound* – N. Bernardini, Media Innovation Unit Firenze Tecnologia

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 (chair: Isabella Longo, AFI, Italy)

- *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 (chairs: Rüdiger Grimm, Jürgen Nützel, Technical University Ilmenau)

- *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) (chairs: David Crombie, Neil McKenzie, FNB, The Netherlands)

- *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. Ferrà, P. Santini
- *Indexing tools and methods for making multimedia content accessible* – M. Horstmann, G. T. Ioannidis, M. Lorenz, K. N. Geramani

Tutorials

- **MPEG-7 and MPEG-21 Tutorial:** C. Timmerer and H. Hellwagner, Klagenfurt University, Department of Information Technology (ITEC)
 - MPEG Standards Enabling Universal Multimedia Access
- **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 distribution
- **AXMEDIS Tutorial on content production**
 - Content Model, AXMEDIS model, GRID production and processign of content
 - massive protection of content, production on demand, etc.
- **AXMEDIS Tutorial on content distribution**
 - Content distribution and protection
 - exploiting AXMEDIS framework for your distribution chain
 - Content Distribution towards PC via Internet
 - Content Distribution by using satellite data broadcast
 - Content Distribution towards PDA via Kiosk, for museums, cinemas, disco, events, theatres, etc.
- **AXMEDIS Tutorial on Usability**
 - *Tutorial on user-centred product creation* - Elke-Maria Melchior (ACIT, Germany)

AHG meeting on MPEG SMR

AHG Chairs: Paolo Nesi (DSI), Giorgio Zoia (EPFL)
In Collaboration with the MUSICNETWORK International Association

- Review of RM0 of the MPEG SMR
- Core Experiment on Braille and Spoken Music
- Core Experiment on Korean Music

MUSICNETWORK International Association: Ordinary Members General Meeting

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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>

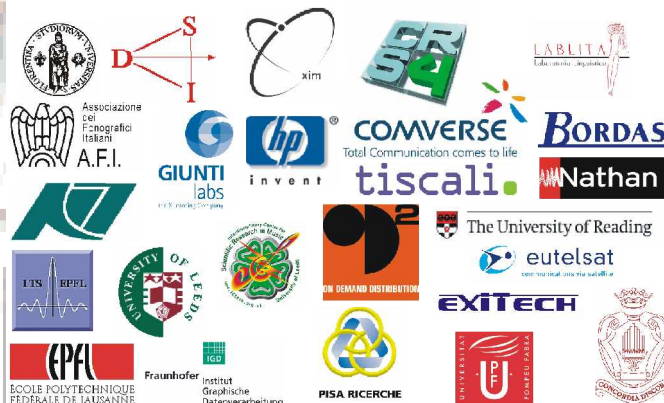
Registration Form:

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Please return the registration form to **Cristina Dolfi**, Ufficio Ricerca Polo 2, Università di Firenze
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AXMEDIS Consortium



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AFI - ASSOCIAZIONE DEI FONOGRAFICI ITALIANI, Italy

ANSC - ACCADEMIA NAZIONALE DI SANTA CECILIA, FONDAZIONE, Italy

CPR - CONSORZIO PISA RICERCHE, Italy

CRS4 - SOCIETA CONSORTILE A RESPONSABILITA' LIMITATA CENTRO DI RICERCA, SVILUPPO E STUDI SUPERIORI IN SARDEGNA, Italy

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