AXMEDIS 2006 Presentations

Session	Reference	Title	Author
Keynote			
	keynote	Standards Based Digital Rights Management - Potentially viable or just a pipe dream?	Huw Williams
	keynote	Digital Entertainment: Media technologies for the future	Karlheinz Brandenburg
	keynote	The Present and Future of Digital Rights Management	Stefan Bechtold
	keynote	An Overview of the European Commission IST Framework Programme	Roberto Cencioni
Content			
	Content:4:1	Distributed Architectures for High Performance and Privacy-aware Content Generation and Delivery	Claudia Canali, Michele Colajanni, and Riccardo Lancellotti
	Content:4:2	Content Based Description of Audio in the Context of AXMEDIS	Nicolas Scaringella, Martin Schmucker, and Michael Arnold
	Content:4:3	A Management System for Distributed Knowledge and Content Objects	Wernher Behrendt, Nitin Arora, Tobias Bürger, and Rupert Westenthaler
	Content:4:4	Profiling Management for Personalised Multimedia Delivery On-Demand within the AXMEDIS Framework	A. Badii, M. Sailor, and R.R. Nair
DRM			
	DRM:3:1	Towards the Interoperability between MPEG-21 REL and Creative Commons Licenses	Eva Rodríguez and Jaime Delgado
	DRM:3:2	Accounting Solutions in the AXMEDIS Project	S. Chellini, T. Martini, and P. Nesi
	DRM:3:3	Translation between XML-based Rights Expressions using UML and Relational Models	Silvia Llorente, Jaime Delgado, Rubén Barrio, and Xavier Maroñas
MPEG			
	MPEG:3:1	The Role of MPEG-7 in Semantic Annotation and the Cross-Media Publishing Process	Tobias Bürger, Georg Güntner, and Erich Gams
	MPEG:3:2	SMIL to MPEG-4 BIFS Conversion	Beilu Shao, Laureano Moro Velázquez, Nicolas Scaringella, Neha Singh, and Marco Mattavelli
	MPEG:3:3	Enhancing Interoperability via Generic Multimedia Syntax Translation	Joseph Thomas-Kerr, Ian Burnett, and Christian Ritz
P2P			
	P2P:4:1	A Mobile Peer-To-Peer Application for Distributed Recommendation and Re-sale of Music	Jürgen Nützel and Mario Kubek
	P2P:4:2	P2P Sharing within the Semantic Hifi European Project	Jens Hasselbach
	P2P:4:3	Facilitating Universal Multimedia Adaptation (UMA) in a Heterogeneous Peer-to-Peer Network	Letian Rong and Ian Burnett
	P2P:4:4	AXMEDIS Programme and Publication Tools Integration with Workflow-enabled Communication and Process Control	Kia Ng, Atta Badii, Maulik Sailor, and Bee Ong
Protection			
	Protection:4:1	3D Fingerprinting and Encryption Principle for Collaboration	Misung Cho, Seokryul Kim, Maenghee Sung, and Giwon On
	Protection:4:2	Protection of MP3 Music Files using Digital Rights Management and Symmetric Ciphering	Carlos Serrão, António Serra, Miguel Dias, and Jaime Delgado
	Protection:4:3	Definition of Mechanisms that Enable the Exploitation of Governed Content	Jaime Delgado, Tommaso Martini, Paolo Nesi, Eva Rodríguez, Davide Rogai, and Andrea Vallotti
	Protection:4:4	Semi-fragile Watermarking for Image Authentication with High Tampering Localization Capability	Huajian Liu and Martin Steinebach

Representations

	Represent:2:1	Using XML for Publishing On Demand in Different Output Formats	Reinhard Ruemer and Klaus Miesenberger
	Represent:2:2	Design and Implementation of a Cross-Media Indexing System for the Reveal-This System	Murat Yakıcı and Fabio Crestani

Text and Documents

	Text&Doc:4:1	An Algebra for Multidimensional Documents as Abstraction Mechanism for Cross Media Publishing	Ulrike Lucke
	Text&Doc:4:2	Multi-Term Keywords for Indexing Multilingual Textual Repositories: Developing Language Resources and Algorithms.	Alessandro Panunzi, Marco Fabbri. Massimo Moneglia, and Manuel Zini
	Text&Doc:4:3	Plagiarism Detection Through Multilevel Text Comparison	Manuel Zini, Marco Fabbri, Massimo Moneglia, and Alessandro Panunzi
	Text&Doc:4:4	Document Retrieval in Pen-Based Media Data	Sascha Schimke and Claus Vielhauer

TV

	TV:4:1	Creating Rich Metadata in the TV Broadcast Archives Environment: the PrestoSpace Project	A.Messina, L. Boch, G. Dimino, W. Bailer, P. Schallauer, W. Allasia, and R. Basili
	TV:4:2	Collaborative Personalised TV Programming	Jacob Sparre Andersen and Tofta Teld
	TV:4:3	A Multimedia Content Interchange Framework for TV Producers	Jaime Delgado, Silvia Llorente, Enric Peig, and Anna Carreras
	TV:4:4	A Distributed System for Automatic Collection and Distribution of Satellite Images and Weather Information Over DTT	Daniele Peretto, Marco Frattallone, Simone Piazza, Claudio Ferrero, Giovanni Ballocca, and Ferdinando Ricchiuti

Video

	Video:4:1	Video Multiplexing for the MPEG-2 VBR Encoder using a Deterministic Method	Jasman Kammin and Kazuo Ohzeki
	Video:4:2	DVTS Video Frame Rate Adjustment Based on Motion Detection	Nawat Kamnoonwatana, Andrey Kuprianov, Poompat Saengudomlert, Teerapat Sanguankotchakorn, and Kanchana Kanchanasut
	Video:4:3	Histogram-Based Perceptual Hashing for Minimally Changing Video Sequences	Kevin Hamon, Martin Schmucker, and Xuebing Zhou
	Video:4:4	3D Navigable Interface for Interactive Movie Gormenghast Explore	Julia Sussner, Ludvig Lohse, Maureen Thomas, Gustavo García, Isabel Alonso, and Alberto Muñoz

Multimedia

	Multimedia:4:1	Music Mood Wheel: Improving browsing experience on digital content through an audio interface	Andreja Andric, Pierre-Louis Xech, and Andrea Fantasia
	Multimedia:4:2	The Use of Incentive Mechanisms in Multi-Channel Mobile Music Distribution	Marco Furini and Manuela Montangero
	Multimedia:4:3	Method and Environment for the Retrieval of Structural Music Information	Alberto Pinto and Goffredo Haus
	Multimedia:4:4	SEAM: A Sound-Embedded Advertisement Model for Online Digital Music Distribution	Dimitrios Margounakis, Dionysios Politis, and Christina Boutsouki

		Applications	
	Application:4:1	A Cross Media Platform for Personalized Leisure & Entertainment: The POLYMNIA Approach	Vasilios Anagnostopoulos, Sotiris Chatzis, Constantinos Lalos, Anastasios Doulamis, Dimitrios Kosmopoulos, Theodora Varvarigou, Helmut Neuschmied, Georg Thallinger, Stuart E. Middleton, Matthew Addis, Eduardo Bustos, and Fabrizio Giorgini
	Application:4:2	Automated Paper-based Watermark Extraction and Processing	Hazem Hiary and Kia Ng
	Application:4:3	MX Navigator: An Application for Advanced Music Fruition	Adriano Baratè, Goffredo Haus, and Luca A. Ludovico
	Application:4:4	Accessing and Distributing Streaming Events on DHT-based Systems	M. Milanesio, G. Ruffo, F. Ricchiuti, and D. Albertin
		Poster Sessions	
	poster	A Feature-Augmented Grammar for Automated Media Production	Freddy Choi, Richard Beales, Jonathan Hearn, Stuart E. Middleton, Matthew Addis, and Christos Mangos
	poster	Media Company: an empirical analysis about the mobile channel	Cristina Catanzaro, Andrea Rangone, Filippo Maria Renga, and Marta Valsecchi
	poster	Future Live iTV Production: Challenges and Opportunities	Richard Wages, Stefan M. Grünvogel, Janez Zaletelj, Carmen Mac Williams, and Georg Trogemann
	poster	Apriori Rate Allocation in Wavelet-based Image Compression	Sven Grottke, Thomas Richter, and Ruedi Seiler
	poster	Concept for Audio Quality and Security Assurance in Mobile Phones as Multimodal User Guides	Andrea Oermann, Sandra Gebbensleben, Claus Vielhauer, and Jana Dittmann
	poster	Modeling and Analysis of Peer-to-Peer Multicast Streaming	Dominik Zalewski
	poster	KOPI Protection instead of Copy Protection	László Kovács and Máté Pataki
	poster	International Association of Interactive Multimedia MUSICNETWORK	Kia Ng, Nicola Mitolo, Pierfrancesco Bellini, Paolo Nesi, and Maurizio Campanai
	poster	AXMEDIS: Automating Production of Cross Media Content for Multi-channel Distribution	Paolo Nesi and Kia Ng
	poster	I-MAESTRO: Interactive Multimedia Environment for Technology Enhanced Music Education and Creative Collaborative Composition and Performance	Bee Ong, Kia Ng, Nicola Mitolo, and Paolo Nesi
	poster	CASPAR: Digital Preservation of Interactive Multimedia Performing Arts	Tran Vu Pham, Bee Ong, and Kia Ng
	poster	COST287-ConGAS: Gesture Controlled Audio Systems	Bee Ong, and Kia Ng

Industrial and Applications

	IND&APP:8:1	Focuseek Nautilus for Dynamic Digital Content Drill-down Browsing	Nicola Baldini and Michele Bini
	IND&APP:8:2	OLGA: On-Line GAming over Heterogeneous Platforms Thanks to Standard Scalable Content	Francisco Morán, Marius Preda, Gauthier Lafruit, Paulo Villegas, and Robert-Paul Berretty
	IND&APP:8:3	Semantic Support for Musical Assets Recommendation Using Association Rules	Jayan C Kurian, Payam M. Barnaghi, and Michael Ian Hartley
	IND&APP:8:4	A Design of H.264 Decoder with Integrated Hardware and Software	Qingyun Chang, Youhui Zhang, Yuejian Xie, Dong Liu, and Dongsheng Wang
	IND&APP:8:5	The eCHASE System for Cross-border Use of European Multimedia Cultural Heritage Content in Education and Publishing	M. Addis, S. Hafeez, D. Prideaux, R. Lowe, P.Lewis, K. Martinez, and P. Sinclair
	IND&APP:8:6	gHand: Pointing in an Interactive Multimedia Environment	Moaath Al-Rajab and Kia Ng
	IND&APP:8:7	New Mobile, Location and Context Aware Formats for the Content Industry towards the Knowledge Society	Fabrizio Cardinali
	IND&APP:8:8	Naming and Meaning of Digital Objects	Norman Paskin

MUSICNETWORK Workshop on MPEG Symbolic Music Representation (SMR)

	MN-SMR:4:1	A Hybrid MPEG-7 Compliant Musical Structure Analysis Led Automated Collaborative Musical Recommender System	Kevin Curran, Elaine Smyth, and Frank Lyons
	MN-SMR:4:2	Digital Preservation of Interactive Multimedia Performing Arts	Kia Ng, Tran Vu Pham, Bee Ong, Alain Bonardi, Jerome Barthelemy, and David Giaretta
	MN-SMR:4:3	Using MPEG Symbolic Music Representation in MPEG-4	Pierfrancesco Bellini, Paolo Nesi, and Giorgio Zoia
	MN-SMR:4:4	Writing for Microtonal Triple Harp	Eleri Angharad Pound, Michael Spencer, and Kia Ng

I-MAESTRO 2nd Workshop on Technology Enhanced Music Education

	I-MAESTRO:12:1	i-Maestro: Interactive Multimedia Environments for Music Education	Bee Ong, Kia Ng, Nicola Mitolo, and Paolo Nesi
	I-MAESTRO:12:2	MPEG-Symbolic Music Representation Editor and Viewer for Max/MSP	P. Bellini, F. Frosini, G. Liguori, N. Mitolo, and P. Nesi
	I-MAESTRO:12:3	Technology and Paradigms to Support the Learning of Music Performance	Norbert Schnell, Frederic Bevilacqua, Diemo Schwarz, Nicolas Rasamimanana, and Fabrice Guedy
	I-MAESTRO:12:4	Mediating Representations: Domain Knowledge to Pedagogical Content Knowledge (PCK): supporting the instantiation of dynamic pedagogic flow responsive to the evolving situated chemistry of Pedagogic Experiences	Atta Badii and Peter Mothersole
	I-MAESTRO:12:5	Towards Reference Architectures for Dynamic Pedagogic Flow Adaptation in Blended Learning with PCK-empowered MaestrOnto-SCR and the P-Flow Control Support Framework	Atta Badii and Peter Mothersole
	I-MAESTRO:12:6	Using Music Processing Algorithms for Exercise Generation in Music E-Learning	Kerstin Neubarth and Tillman Weyde
	I-MAESTRO:12:7	Generation of Exercises and Exercise Sequences for Technology-Enhanced Music Education	Tillman Weyde
	I-MAESTRO:12:8	Creating Accessible Interfaces for i-Maestro Learning Objects	Neil Mckenzie and David Crombie
	I-MAESTRO:12:9	Potential for Unification of Musical Standards with I-MAESTRO	Stuart Cunningham
	I-MAESTRO:12:10	Integration of Contemporary Music Techniques and Spatialization within a Pedagogical Framework	Emile Ellberger
	I-MAESTRO:12:11	hot_strings SIG: Developing and Using New Violin Family Instruments	Cornelius Pöpel
	I-MAESTRO:12:12	TimeToy4: A different approach to interface design for an audio manipulation utility application	Marcel Wierckx

Virtual Goods 4th Workshop on Technical, Economic and Legal Aspects of Business Models

	VG:9:1	Employing Trusted Computing for the Forward Pricing of Pseudonyms in Reputation Systems	Nicolai Kuntze, Dominique Mähler, and Andreas U. Schmidt
	VG:9:2	Towards the Automated Selling of Web Services over the Internet	Oliver Hummel, Philipp Bostan, and Colin Atkinson
	VG:9:3	Trading Privacy	Helge Hundacker and Rüdiger Grimm
	VG:9:4	Discouraging File Sharing Piracy by Search Response	Martin Steinebach and Christian Hassler
	VG:9:5	BluetunA: share your taste in music with people nearby	Stephan Baumann, Arianna Bassoli, Björn Jung, and Martin Wisniowski
	VG:9:6	Virtual Knowledge as Virtual Goods	Klaus P. Jantke
	VG:9:7	Freebies for CD Retailers: A transition from tangible to digital distribution	Patrick Aichroth and Jens Hasselbach
	VG:9:8	Information Flow Control for Distributed Usage Control	Dieter Hutter and Melanie Volkamer
	VG:9:9	CONFUO©O on BitTorrent - Liable File Sharing with Swarming	Jochen Ulzheimer, Martin Schmucker, and Peter Ebinger

Workshop on End-to-End Quality of Service (QoS) for Universal Multimedia Access (UMA)

	QoS:3:1	MPEG-21-based Cross-Resource Adaptation Decision-Taking	Ingo Kofler and Hermann Hellwagner
	QoS:3:2	MPEG-21 Cross-Layer QoS Adaptation for Mobile IPTV Services Delivering	Ismail Djama and Toufik Ahmed
	QoS:3:3	Exploitation of Interactive Region of Interest Scalability in Scalable Video Coding by Using an XML-driven Adaptation Framework	Davy De Schrijver, Wesley De Neve, Davy Van Deursen, Sarah De Bruyne, and Rik Van de Walle

Panel on European Accessible Information Network (EUAIN)

	EUAIN:7:1	Re-using standards to create environments for Accessible Music Learning with i-Maestro	Neil Mckenzie
	EUAIN:7:2	Accessibility of Two-Dimensional Structures in Science Learning	Cristian Bernareggi
	EUAIN:7:3	An RFID Based Tangible User Interface for Content Access in Museums	David Luigi Fuschi
	EUAIN:7:4	Accessibility of PDF Documents	M.A. Hersh and M.A. Johnson
	EUAIN:7:5	Managing Multiple Updates in Dynamically driven Web Applications	Gez Lemon and Joshue O Connor
	EUAIN:7:6	Accesible Multichannel Content Processing	Noel Duffy
	EUAIN:7:7	The new RNIB eDistribution Platform	Mandy White and David Mann

Panel on Collective licensing and rights management - the evolving European legal framework in the digital scenario

	Panel	Panel on Collective licensing and rights management - the evolving European legal framework in the digital scenario	Massimo Baldinato and Panel Members

AXMEDIS Tutorials

	Tutorial:5:1	Tutorial on AXMEDIS Framework Overview & Applications	Paolo Nesi
	Tutorial:5:2	Tutorial on AXMEDIS Content Production and Authoring	David Fuschi, Pierfrancesco Bellini, Kia Ng, Silvia Llorente, and Isabella Longo
	Tutorial:5:3	Tutorial on AXMEDIS Content Processing and Automatic Production	Martin Schmucker, Ivan Bruno, and Maulik Sailor
	Tutorial:5:4	Tutorial on Content Production Management via Workflow and AXMEDIS	Atta Badii, Maulik Sailor, Laurence Perarce, and Claudio Marangoni
	Tutorial:5:5	Tutorial on AXMEDIS Multi-channel Content Distribution	David Fuschi, Giovanni Nateri, and Orazio Pulvirenti