

# MPEG INDUSTRY FORUM

Presents

MPEG Industry Forum  
 mp4



## Exhibit Guide

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## CONFERENCE SESSIONS

### COMPRESSION: MORE FOR LESS

Sunday 14 September 2003, 14:00 – 17:00

New compression systems are now emerging that challenge the dominance of MPEG-2. These new algorithms claim an improvement in efficiency of more than a factor of two; it should be possible to obtain comparable video quality at less than half the bit-rate needed for MPEG-2. Is this reality or just hype? Can these more complex new algorithms be implemented at a cost that the market will bear? How can they co-exist with the established MPEG-2 systems? How does Microsoft Windows Media 9 Series compare with the emerging H.264/AVC standard?

#### *In-Depth Review of Advanced Coding Technologies for Low Bit Rate Broadcast Applications*

Jeremy Bennett, TANDBERG Television, UK (presentation)

#### *Migration of New Multimedia Compression Algorithms to Broadband Applications*

Paola Sunna, Rai - Radiotelevisione Italiana, Italy (presentation)

#### *H.264 / MPEG-4 AVC Real Time Implementation on DSP*

Alberto Dueñas, PRODYS, Spain (no presentation)

#### *Executive panel discussion: The Business Issues:*

- Giles Wilson, TANDBERG Television, UK
- Richard Mavrogeanes, VBrick Systems, USA
- David Price, Harmonic, USA
- Richard Cooper, BBC, UK
- Erik Huggers, Microsoft Corporation, Italy
- Tim Schaaff, Apple, USA

The session is chaired by **Rob Koenen, President, MPEG Industry Forum.**

### Other Sessions of Interest

#### *DIGITAL LIFESTYLES*

Thursday 11 September 2003, 09:30 – 12:30

Papers on **personal video recorders** and the **TV Anytime** standard will discuss the elements of **MPEG-7 and MPEG-21**. Papers by the BBC and NHK on Visual and EPG Navigation Techniques will cover advanced use of digital media. Presentation by **Share-it** shows an application whereby a rights managed peer to peer network of set top boxes can be operated.

### VIDEO NETWORKING

Thursday 11 September, 14:00 – 12:30

A paper from **Harmonic, Inc** on **broadcast quality video over IP/Ethernet and advanced cable architectures**. Paper from France's **UDCast** presents a scaleable mobile media delivery system using **DVB-T, DVB-S and UMTS**. This paper discusses the so called **DVB-X** standard which is highly likely to make use of the **DVB over IP** video specification, i.e. **AVC**.

### DIGITAL TERRESTRIAL TELEVISION: STILL ROLLING ON

Friday 12 September, 9.00 – 12.00

Chaired by Daniel Sauvet Goichon of TDF, France, this session includes a paper from the **CISMUNDUS project** which presents multimedia applications on a hybrid DTTV and 2G / 3G network (DVB-T GSM/GPRS).

### WORKFLOW INNOVATION: THE METADATA 'BIG BANG'

Saturday 13 September, 09:30 – 12:30

Presentation by **Ramon Llull University, Spain** of a **synchronized MPEG-7 metadata broadcast** over DVB networks in an MHP application framework.

### CUTTING EDGE: THE LATEST FROM THE LABS

Saturday 13 September, 14:00 – 17:00

Paper from the **BBC** on **mixing synthetic and real world content**. Paper from **Sony Broadcast** on an application for **extracting face metadata from broadcast video and its use in content navigation**.

### THE REBIRTH OF CONTENT

Monday 15 September 2003, 09:30 – 12:30

Paper by **Korean Broadcasting System (KBS)** on a **video-based query and retrieval system using MPEG-7 metadata**

### DIGITAL RADIO: THE FUTURE STARTS NOW

Sunday 14 September 2003, 14:00 – 17:00

Paper from **Coding Technologies** on spectral band replication (SBR) technology as used in **MPEG-4 High Efficiency Advanced Audio Coding**. and broadcast applications.

Another paper, from the **BBC World Service**, describes the broadcasting considerations for implementing the MPEG-4 AAC based **DIGITAL RADIO MONDIALE (DRM)** system

### Deploying Multiservice Television: Open systems for TV services

Monday 15<sup>th</sup> September, all day

Presentations and specifics on how **open standards & technologies like MHP and OCAP, DRM, MPEG-4, open content storage and digital asset management** are enabling companies to produce, manage and deliver TV services over multiple networks. Sponsored by MPEGIF member **Sun Microsystems**.

## MPEGIF BOOTH

Stand No. 7.820

### Ahead Software / Nero Digital

Email: [info@nero.com](mailto:info@nero.com)

Website: [www.nero.com](http://www.nero.com)

Nero is the de-facto standard in CD and DVD application software, and Ahead Software is a recognised World leader in recordable CD, DVD, and MPEG audio/video solutions. Nero Digital is a complete MPEG-4 solution encompassing High Efficiency AAC in MPEG, audio and premium quality video coding algorithms.

### Coding Technologies

Email: [info@codingtechnologies.com](mailto:info@codingtechnologies.com)

Website: [www.codingtechnologies.com](http://www.codingtechnologies.com)

Coding Technologies, provider of the best audio compression for mobile, broadcasting, and the Internet, presents the latest advances in audio compression. It's highly acclaimed SBR-Technology (Spectral Band Replication) enables audio codecs to deliver the same quality at half the bit rate. In cooperation with Vsofts, Coding Technologies demonstrates exciting low bit rate audio/video using MPEG-4 AVC and 5.1 multichannel aacPlus.

### Dicas digital image coding gmbh

Email: [sm@dicas.de](mailto:sm@dicas.de)

Website: [www.dicas.de](http://www.dicas.de)

dicas digital image coding GmbH is an MPEG-focused video coding specialist and a leading developer of professional MPEG-4 real-time video coding solutions also offering a family of MPEG-4 end user products under the brand name mpegable.

### Fraunhofer IIS

Email: [info@iis.fraunhofer.de](mailto:info@iis.fraunhofer.de)

Website: [www.iis.fraunhofer.de](http://www.iis.fraunhofer.de)

Fraunhofer IIS, the leading international research lab in the field of high quality low bit rate audio coding, will be demonstrating high quality MPEG-4/ISMA AV- streaming products and the latest MPEG-7 audio recognition technology.

### Mindago, Inc

Email: [info@mindago.com](mailto:info@mindago.com)

Website: [www.mindago.com](http://www.mindago.com)

Mindago Inc. creates software to compose, optimize and verify multimedia applications and contents according to international media standards. The company specializes in MPEG-4 application development and associated tools for organizations involved in developing, deploying and testing interactive multimedia applications. At IBC Mindago unveils its MPEG-4 file analyzer and previews its forthcoming programming environment for creating multimedia applications.

## **Sand Video, Inc**

MPEGIF Booth - Stand 7.250

Email: [info@sandvideo.com](mailto:info@sandvideo.com)

Website: [www.sandvideo.com](http://www.sandvideo.com)

Sand Video is a fabless semiconductor manufacturer focused on developing and marketing superior next generation, standards-based semiconductor video compression technology including H.264/AVC codecs for a broad range of video applications. A recognized expert in H.264/AVC compression technology, Sand Video was the first in the industry to demonstrate real-time high definition H.264/AVC decoding.

## **Vidtools**

Email: [djieu@vidtools.com](mailto:djieu@vidtools.com)

Website: [www.vidtools.com](http://www.vidtools.com)

Vidtools provides tools for Management & Repurposing of rich media via patented indexing algorithms & user interfaces. VidTools Media Management Suite (VMS) is a proven solution for managing rich media on a web-based infrastructure via an integrated workflow of ingest, transcode, index, edit, annotate, search/retrieve, distribute and repurpose. Our unique patented indexing/visualization algorithms and annotation tools enable efficient manageability and reuse of rich media. VMS works on all industry standard media formats (i.e., MPEG1, MPEG2, MPEG4, AVI WMV, etc).

## **Vsofts**

Email: [info@vsofts.com](mailto:info@vsofts.com)

Website: [www.vsofts.com](http://www.vsofts.com)

Vsofts, the performance leader in MPEG-4 AVC/H.264 coding, premieres real-time encoding of Standard Definition video on a single Pentium PC. Vsofts' patented technology achieves the highest video quality at the lowest processing power. At IBC, Vsofts introduces in cooperation with Coding Technologies the first fully integrated, low-bitrate audio and video codec solution using MPEG-4 AVC and 5.1 multichannel aacPlus.

## MPEGIF MEMBERS AT IBC

### Apple Computer

Stand No: 7.621 / 7.817 / 7.819

E-mail: [dave.c@euro.apple.com](mailto:dave.c@euro.apple.com)

Web Site: [www.apple.com/euro](http://www.apple.com/euro)

Apple ignited the personal computer revolution in the 1970s with the Apple II and reinvented the personal computer in the 1980s with the Macintosh. Apple is committed to bringing the best personal computing experience to its Customers through its innovative hardware and software offerings. Apple continues this revolution in the video and film field. Discover Apple's full set solutions for video professionals.

### Canon-Europa NV

Stand No: 11.430

E-mail: [tvprod@canon-europe.com](mailto:tvprod@canon-europe.com)

Web Site : [www.canon-europa.com](http://www.canon-europa.com)

Canon is showing a wide range of Field, ENG, IFpro and High Definition lenses with accessories which demonstrate Canon's continued leadership by pioneering revolutionary breakthroughs in both optical and digital fields.

### Cisco Systems

Stand No: 1.441

E-mail: [info@cisco.com](mailto:info@cisco.com)

Web site: [www.cisco.com](http://www.cisco.com)

Cisco is the preferred technology partner for carriers around the world, offering innovative IP/MPLS technologies on optical, routing, switching, storage, and security platforms. Service providers take advantage of the Cisco product portfolio to improve delivery of video, voice and data services to residential and business customers, and to increase revenue by expanding into new markets.

### Dolby Laboratories Inc

Stand No: 2.210

Email: [info@dolby.com](mailto:info@dolby.com)

Web Site: [www.dolby.com](http://www.dolby.com)

At IBC, Dolby is demonstrating its audio technologies and tools, from the cinema to the home, and beyond, to new media delivery opportunities, including E-Cinema, the internet and mobile phones. Visitors to the Dolby booth can also learn more about the latest in content delivery technologies, including DVD-Audio, gaming consoles and MPEG-4 AAC internet delivery.

### Envivio

Stand No: 4.261

E-mail: [bstrauss@envivio.com](mailto:bstrauss@envivio.com)

Website: [www.envivio.com](http://www.envivio.com)

Envivio is showing award-winning end-to-end MPEG-4 broadcast and streaming solutions for the broadband IPTV, broadcast satellite, and enterprise markets. Demos incorporate H.264 live encoding, digital rights management, and high definition (HD) playback systems. Envivio products include: 4Caster™ real-time MPEG-4 encoder, 4Coder™ SD MPEG-4 encoder, 4Sight™ MPEG-4 streaming server, 4View™ SDI MPEG-4 decoder, 4Manager™ MPEG-4 management and control system, 4Mation™ MPEG-4 authoring system, and 4Forum™ MPEG-4 enterprise communication system.

### Equator Technologies Inc.

Stand No: 3.412

E-mail: [sales@equator.com](mailto:sales@equator.com)

Web Site: [www.equator.com](http://www.equator.com)

At IBC2003 Equator is exhibiting a range of high performance multi-format high-definition streaming video solutions based on its BSP-15 chip. Offering the industry's widest choices for audio, video and image compression standards. Equator's multi-format digital media platform supports Microsoft Windows Media 9 Series (in standard definition and 720p high definition), H.264/AVC, DivX Video, Real Video, MPEG-4, MPEG-2, MP3, AC3, AAC, H.263, JPEG, MJPEG, and On2 VP6.

### Heinrich-Hertz-Institut (Fraunhofer-Institut für Nachrichtentechnik)

Stand No: 8.144

E-mail: [schaefer@hhi.fraunhofer.de](mailto:schaefer@hhi.fraunhofer.de)

Web Site: [www.hhi.fraunhofer.de](http://www.hhi.fraunhofer.de)

The HHI is exhibiting H.264/AVC Video Streaming using the Internet and Mobile Channels using ISMA and IETF for IP-based multimedia streaming as well as ISO-MPEG and ITU-VCEG for audio and video coding. MPEG-4 Facial Animation over video. MPEG-4 Video Codec ASIC for Mobile Applications (Simple Profile at Level 1) and supports encoding and decoding up to 30fps in QCIF resolution without external memory.

### Fujitsu Siemens Computers

Stand No: 4.279

E-mail: [info.fairs@fujitsu-siemens.com](mailto:info.fairs@fujitsu-siemens.com)

Web Site: [www.fujitsu-siemens.com](http://www.fujitsu-siemens.com)

At IBC2003, Fujitsu Siemens Computers is showing its comprehensive range of products and solutions for broadcasters, service providers, content owners and network operators.

### Harmonic Inc

Stand No: 1.361

E-mail: [info@harmonicinc.com](mailto:info@harmonicinc.com)

Web Site: [www.harmonicinc.com](http://www.harmonicinc.com)

Harmonic is a leading provider of open standards-based digital headend and transport solutions to cable, digital terrestrial, direct-to-home satellite and telecom operators. A recognized leader in MPEG-2 compression systems, Harmonic is further improving MPEG-2 efficiency and picture quality while preparing MPEG-4 AVC/H.264 standard-based products for emerging applications, including DiviCom® MPEG-2 and AVC/H.264 encoders which enable multiple concurrent video streams delivered over bandwidth-limited xDSL network..

### IBM Corporation

Stand No: 2.120 / 2.121

E-mail: [luntkat@uk.ibm.com](mailto:luntkat@uk.ibm.com)

Web Site: [www.ibm.com/industries/media](http://www.ibm.com/industries/media)

Discover how IBM is helping broadcast and entertainment companies across the globe to strengthen and streamline their business processes, allowing them to focus on their core business and to differentiate themselves from competitors. Some of the featured solutions areas Intellectual Property Management; Digital Content Creation; Broadcast Media Asset Management featuring Ardendo; Digital Radio Station Management featuring Jutel; Digital Media Infrastructure.

### Mayah Communications

Stand No: 8.399

E-mail: [info@mayah.com](mailto:info@mayah.com)

Web Site: [www.mayah.com](http://www.mayah.com)

IO [io] 8001 - a fully compliant MPEG 4 audio video encoder for professional use, including ISMA/RTP streaming and is fully up-to-date in terms of audio video quality incorporating the newest standards and protocols as well as high tech encoder developments such as AAC+SBR. IO supports professional audio/video interfacing and is controlled by a powerful windows software supporting Live Capturing of analog and digital sources, AVI files and MPEG 1 files to be encoded into a fully compliant MP4 File or a fully compliant multicast ISMA /RTP stream (profile 0 and 1).

### Phillips Electronics

Stand No: 3.211

E-mail: [cynthia.lee.pl@philips.com](mailto:cynthia.lee.pl@philips.com)

Web Site: [www.remotecontrol.philips.com/www.pronto.philips.com](http://www.remotecontrol.philips.com/www.pronto.philips.com)

Philips Remote Control Systems (RCS), a business unit within the Consumer Electronics division of Royal Philips Electronics, is a global leader in remote control technologies and devices.

### Prodys

Stand No: 1.550

E-mail: [sales@prodys.net](mailto:sales@prodys.net)

Web Site: [www.prodys.com](http://www.prodys.com)

Prodys is a leading supplier of digital video and audio solutions for broadcast, communication and consumer applications. Prodys provides video and audio technology solutions, which allow third parties to create their own applications and systems. These include a variety of MPEG-4 Video Compression and related Software, and MPEG-4 Video Encoders on a variety of platforms.

### Samsung Electronics

Stand No: 4.245

E-mail: [jiu111@samsung.com](mailto:jiu111@samsung.com)

Web Site: [www.samsungstb.com](http://www.samsungstb.com)

Samsung Electronics is a global leader in semiconductor, telecommunication and digital convergence technology. The company is the world's largest producer of memory chips, TFT-LCDs, CDMA mobile phones, monitors and VCRs. At IBC, Samsung offers digital inspiration to you with its innovative range of set-top box products.

### Scientific-Atlanta

Stand No: 1.471

E-mail: [salesemea@sciatl.com](mailto:salesemea@sciatl.com)

Web Site: [www.scientificatlanta.com](http://www.scientificatlanta.com)

Scientific-Atlanta is presenting a range of new innovative products and systems that help operators and broadcasters secure their digital future. Including new versions of the set top boxes supporting various CA systems, middlewares and MHP. Interactive demo of advanced DVR system. xDSL IP Headend, a Complete digital headend solution for IP streaming.

### Sony

Stand No: 9.101 / 9.110 / 9.111 / OE9.001

E-mail: [IBC2003@sonybpe.com](mailto:IBC2003@sonybpe.com)

Web Site: [www.sonybiz.net](http://www.sonybiz.net)

At IBC2003, Sony is demonstrating the real business value that it can bring to meet a diverse range of needs, a value provided by tailored solutions, enabled by open standards and technologies and delivered with the help of a wide range of Professional Services.

### Sun Microsystems Partner Pavilion

Stand No: 9.429

E-mail: [rob.glidden@sun.com](mailto:rob.glidden@sun.com)

Web Site: [www.sun.com](http://www.sun.com)

Sun Microsystem's open standards and open systems architecture is the leading TV Services architecture for network operators worldwide who are building new broadband deployments and need to reduce the cost, complexity and risk of their deployment.

### TANDBERG Television

Stand No: 1.461

E-mail: [salesdesk@tandbergtv.com](mailto:salesdesk@tandbergtv.com)

Web Site: [www.tandbergtv.com](http://www.tandbergtv.com)

TANDBERG Television serves the professional broadcast and media industries with systems designed for the delivery of video and on-demand content across cable, DSL, fibre, satellite and terrestrial networks. IBC sees the launch of new solutions that are changing the face of broadcasting and enabling new, flexible business models. These are designed to reduce investment risk and increase revenue opportunities.

### TDK Corporation

Stand No: 11.145

E-mail: [info@tdk-europe.com](mailto:info@tdk-europe.com)

Web Site: [www.tdk.co.jp](http://www.tdk.co.jp) / [www.tdk-europe.com](http://www.tdk-europe.com)

At IBC, TDK will be giving its first public demonstration of Blue Laser recording technology and optical media giving broadcasters the ability to record up to 90 minutes of DVCAM™ images (25Mbps data transfer) or up to 45 minutes of MPEG IMX™ images (30/40/50Mbps) on a single disc.

### Tektronix

Stand No: 9.330

E-mail: [measurement.uk@tektronix.com](mailto:measurement.uk@tektronix.com)

Web Site: [www.tek.com/video](http://www.tek.com/video); [www.tekvision03.com](http://www.tekvision03.com)

At this year's IBC, Tektronix is showing key products developed for Content Producers, Network Operators and Equipment Designers.

*VBrick Systems, Inc.*

Stand No: 4.189

E-mail: [info@vbrick.com](mailto:info@vbrick.com)

Web Site: [www.VBrick.com](http://www.VBrick.com)

At IBC2003, VBrick is showcasing iVBXcast, an MPEG-4 network video appliance. VBXcast enables organizations to 'plug in' and distribute video communications to and from anyone, anywhere, on any network. In addition, VBrick will be demonstrating its new Video-on-Demand media server. It can stream MPEG-1, 2 or 4 content to PCs or set-top decoders over IP networks.

*VCS Aktiengesellschaft*

Stand No: 8.339

E-mail: [info@vcs.de](mailto:info@vcs.de)

Web Site: [www.vcs.de](http://www.vcs.de)

The activities of the VCS Media Broadcasting Solutions business unit comprise IT system solutions for the professional broadcast industry. VCS presents the MediaFabric technology as well as its dira! and MediaIntegrator product lines.

## MPEG-4 AND OTHER DEMOS AT IBC

### Alcatel Space

Stand No: 1.146 / OEE125

[www.alcatel.com/space](http://www.alcatel.com/space)

Alcatel will demonstrate the CORDIS trial - based on a DVB-S satellite backbone, a two way interactive DVB-T network and multimedia content delivery and handling via MPEG-4 and MPEG-7 standards.

### Artec Technologies AG

Stand No: 3.430

E-mail: [info@artec.de](mailto:info@artec.de)

Web Site: [www.artec.de](http://www.artec.de)

artec technologies Inc. develops and produces MPEG-4 based streaming media systems which are marketed under the brand names XENTAURIX and XBL. XENTAURIX provides a solutions-oriented MPEG-4 streaming media platform which can be utilized in modules or as complete systems.

### Auvideo

Stand No: 3.214

E-mail: [sales@winnov.de](mailto:sales@winnov.de)

Web Site: [www.auvideo.com](http://www.auvideo.com)

Auvideo is showing MPEG-2, MPEG-4 and Windows Media 9 encoders, decoders and transcoders with broadcast quality audio and video output. The systems feature analogue and digital audio/video inputs and a digital satellite input (DVB). The encoded audio/video streams may be broadcasted across networks or saved on digital storage devices.

### Cameron Communications Ltd

Stand No: 8.194

E-mail: [camcomms@compuserve.com](mailto:camcomms@compuserve.com)

Web Site: [www.camcomms.com](http://www.camcomms.com)

ARCHIVER32 - a cost-effective digital media archiving system with multi-format recording such as MPEG-1, MPEG-2, MPEG-4, Microsoft Media, Real Networks, Image and Data Formats, Archiver32 Media Server and Archiver32 Browse and FREEWAY – which combines Archiver32 and Freeway Scheduling with MPEG-2 playback.

### CISMUNDUS

Stand Number: 6.010

Website: <http://www.brunel.ac.uk/project/Cismundus/>

Architecture and Proof-of-Concept Implementation for Mobile/Broadcast Hybrid Networks. Coordinated operations of Broadcast networks based on DVB-T and Cellular networks based on GSM/GPRS/UMTS. MPEG-4 and MPEG-7 technology used in this demonstration. Part of IST project CORDIS. (See Alcatel)

### Como Computer & Motion GmbH

Stand No: 2.327

E-mail: [sales@como.com](mailto:sales@como.com)

Web Site: [www.como.com](http://www.como.com)

Exhibits Content@Disk - a Media Management, Video Archive and Playout system based on a Linux server with 1 terabyte of RAID 5 storage. The user interface is web browser-based and allows the user to do a data search in the archive of MPEG-2 video files using the COMO unique MPEG-4 preview.

### Darim Vision Co Ltd

Stand No: 1.433

E-mail: [mkcho@darim.com](mailto:mkcho@darim.com)

Web Site: [www.darim.com](http://www.darim.com)

Darim exhibits MPEGator 4 - MPEG-4 real-time hardware encoder, MvTV - MPEG streaming server over networks, FS 1000 - video server to manage live and recorded video programmes, B-DVR - digital MPEG-2 recorder for video production.

### Harris Corporation

Stand No: 8.291

E-mail: [broadcast@harris.com](mailto:broadcast@harris.com)

Web Site: [www.broadcast.harris.com](http://www.broadcast.harris.com)

Demonstrates a DAB transmission chain and DRM broadcast capabilities. The DAB broadcast chain will feature a DAB Head-End, DAB receiver, DAB 660 transmitter and video display with live demos of IP tunnelling gateway and MPEG4 encoding.

### MainConcept AG

Stand No: 3.154 / B5

E-mail: [muzafferb@mainconcept.de](mailto:muzafferb@mainconcept.de)

Web Site: [www.mainconcept.com](http://www.mainconcept.com)

Software Codecs: MPEG-2, H.264, DV, DVCPRO 50, Motion JPEG; MainConcept Video Engine SDK and other SDKs ; MainActor - Professional Editing Software.

### Modulus Video, Inc

Stand No: 6.012

E-mail: [info@modulusvideo.com](mailto:info@modulusvideo.com)

Web Site: [www.modulusvideo.com](http://www.modulusvideo.com)

High-performance H.264 encoding systems for a variety of applications, including back-haul and broadcast. Modulus focuses on video compression and works with partner companies to integrate H.264 encoders into end-to-end systems for specific applications.

### Nagravision - Kudelski Group

Stand No: 1.449

E-mail: [info@nagra.com](mailto:info@nagra.com)

Web Site: [www.nagravision.com](http://www.nagravision.com)

Kudelski Group members Livewire and Lysis show software solutions for the creation, management and delivery of digital television services. Partner STINO showcases the MPEG-4/IP capable s-box.

### Optibase

Stand No: 2.249

E-mail: [info@optibase.com](mailto:info@optibase.com)

Web Site: [www.optibase.com](http://www.optibase.com)

MPEG MovieMaker 400 is a Hardware MPEG-4 PCI encoder board with a software development kit for the PC/Windows and Linux platforms, and targets the Enterprise market for distance learning, TV over LAN and video conferencing applications.

### Pro-MPEG Forum

Stand No: 3.101

E-mail: [admin@pro-mpeg.org](mailto:admin@pro-mpeg.org)

Web Site: [www.pro-mpeg.org](http://www.pro-mpeg.org)

At the Interoperability Centre, leading manufacturers are demonstrating the results of industry collaboration and open standardisation with technologies such as MXF, AAF, Video over IP and TV-Anytime. TV Anytime makes use of MPEG-7.

### Telestream

Stand No: 3.410

E-mail: [info@telestream.net](mailto:info@telestream.net)

Web Site: [www.telestream.net](http://www.telestream.net)

FlipFactory applications provide vital tools for universal transcoding between leading professional systems, including video servers, edit systems and streaming servers. Flipfactory supports MPEG-4 among many other formats.

### Teletrend AG

Stand No: 8.195

E-mail: [sales@teletrend.ch](mailto:sales@teletrend.ch)

Web Site: [www.teletrend.ch](http://www.teletrend.ch)

MasterPlay Stream - an MPEG-4 encoder for live webcasting, Multiplayout - supports data management and distribution to geographically disparate sites; MPEG-4 Audio Video Link - transmit data using only a 2Mbit/s line to transfer broadcast quality in real-time.

### Texas Instruments

Stand No: 1.371

E-mail: [epic@ti.com](mailto:epic@ti.com)

Web Site: [www.ti.com](http://www.ti.com)

TI is showcasing DSP-based video products and technologies using video standards: MPEG-4, WMV9, H.264, transcoding and transrating, streaming media, visual effects.

### V.box Communications Ltd

Stand No: 3.325

E-mail: [jonathan@vboxcomm.com](mailto:jonathan@vboxcomm.com)

Web Site: [www.vboxcomm.com](http://www.vboxcomm.com)

VBox Communications products implement IP, MPEG-2 and 4, DVB and ATSC standards, enabling key multimedia applications such as file distribution, business TV, distance learning, Video on Demand, Personal Video Recording, Interactive TV, high-speed Internet access and IP streaming.

Vela

Stand No: 1.118

E-mail: [info@vela.com](mailto:info@vela.com)

Web Site: [www.vela.com](http://www.vela.com)

The Vela IST Ingest Station and Vela's MPEG-2, 4:2:2 Encoder. IST representatives can also be found demonstrating MPEG-4 technology on the Envivio stand, also in Hall 2, and Workflow Management in Hall 9 on the Xytech stand.

VIDEO DIGITAL (VIDI)

Stand No: 3.140

E-mail: [info@vidi-studiotchnik.de](mailto:info@vidi-studiotchnik.de)

Web Site: [www.vidi-studiotchnik.de](http://www.vidi-studiotchnik.de)

The combined booth of VIDI, VWEB and IBT focuses on a transmission recording system, MPEG-1, -2, -4 encoders/transcoders and teletext/VITC data encoders/decoders. The VIDI OPEN STORAGE system is mainly used to record broadcasts for later monitoring and compliance checks.

VWEB

Stand No: 3.140

E-mail : [info@vweb.com](mailto:info@vweb.com)

Web site: [www.vweb.com](http://www.vweb.com)

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