



The judges

The Cable & Satellite International Awards are judged on technical merit and market contribution by an independent, experienced and highly respected pool of international industry figures.



Dr William Cooper

William is founder and chief executive of independent interactive media consultancy informity, where he advises clients on convergence and digital media strategy and implementation. Previously, as head of interactive at BBC Broadcast, he operationally managed the launch and delivery of its online and interactive TV services. William began his career as a broadcast journalist and is a regular contributor to international conferences, with papers published at both IBC and NAB.

Dirk Jaeger

Dirk acted as technical director at EuroCableLabs from Oct 2001 to Dec 2007. He is co-ordinating the EU-funded project ReDeSign and is active as chairman of technical committees of standardisation various bodies and associations. Has been appointed into various advisory committees. He is a member of FKTG (Germany) and SCTE (UK) and has published a number of papers on aspects of cable, digital television and communications technologies in various journals.



Frank Dickson

Frank is a VP of research with In-Stat, where he leads the company's Mobile Internet research practice at. Prior to that, he was co-founder and chief research officer at MultiMedia Intelligence. He has in-depth expertise in focus areas including internet TV, IPTV, VoD, home networking, mobile video and content platforms.

Dr George T Waters

Dr Waters joined RTE, the Irish public broadcaster, in 1956 as a member of the team that prepared the launch of television in 1961. He was also director of the technical department at EBU, a co-founder of the International Academy of Broadcasting and is its president since 1993. He also chaired the DVB World conferences for eight years. Dr Waters is a life fellow of the SMPTE and a fellow of the IET.



Jeff Heynen

Jeff currently serves as directing analyst, broadband and IPTV, at Infonetics Research. He joined Infonetics in 2005, after four years as senior product marketing manager with VoIP switch equipment startup Sentio Networks, and two years as marketing communications manager with telecoms infrastructure manufacturer Tellabs.



John Moroney

John is a founding director of Octegra, which provides independent market research and strategic advice for companies in the telecoms, IT and media sectors. John has 25 years of industry knowledge. Prior to setting up Octegra, John was a principal consultant at Ovum, an associate director at Gartner and a senior executive with BT.



Ken McCann

Ken McCann is a director and co-founder of ZetaCast, an independent technology consultancy company specialising in digital TV and multimedia. Ken contributed significantly to the development of the MPEG-1 and MPEG-2 standards and has chaired the DVB technical group responsible for audio visual coding specifications (TM-AVC) since its inception some 14 years ago. Prior to founding ZetaCast, Ken was technology director at NTL Broadcast.



Mark Kirstein

Mark is co-founder and president at analyst firm MultiMedia Intelligence. He has 20 years of industry experience.

Prior to founding MultiMedia Intelligence, Mark founded the market research company, Minova Technology, which subsequently became the foundation of iSuppli's multimedia research coverage, lead by Mark. Previously, Mark was VP and general manager of In-Stat.



Mark Meza and Shane Walker

Mark and Shane are analysts with IMS Research's Consumer Electronics group. Mark manages and co-ordinates the quarterly updates of IMS Research's Online Television Database and Market Intelligence Service. In addition, Mark covers the worldwide payTV industry and markets for digital TV. He also has a specific focus on satellite, cable, IPTV, DTT set-top boxes, and compression technologies.



Shane's area of expertise includes IP delivery of payTV services, including telco TV and internet TV. In addition, Shane covers worldwide developments of HDTV equipment and services.



Neil Dormand

Neil spent over a decade working in BBCTV studios in engineering roles, as well as general manager of technology and production services. Following retirement from the BBC in 2000, Neil became technology consultant to the Commonwealth Broadcasting Association. He has also held a number of directorships in broadcast related companies and is an associate of the Bakewell House Consultancy. Neil is a member of the IBC Conference Committee and Chairman of the Thames Valley Centre of the Royal Television Society.



Phil Reed

Phil Reed is a freelance engineer and journalist with over 38 years of experience in the broadcast industry. He started as an engineer, working for the BBC and moved into systems with Ampex and Sony. He has worked for both facility and production companies and has a thorough knowledge of today's equipment and operational practices.



Dr Roger Blakeway

Dr Blakeway is president of the SCTE (Society of Telecommunication Engineers), a post which he has held for the last 12 years. The SCTE serves the technicians and engineers involved in the cable telecommunications and allied fields. Dr Blakeway has been involved in the cable communications industry for over 20 years, holding engineering director positions in

Westminster Cable TV, Videotron, Cable & Wireless and DIVA.



Sebastian Moeritz

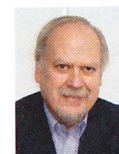
Sebastian is an internationally recognised figure in the field of digital video coding and its various applications. Since 1996, he has been involved in a number of IT-related ventures and joined dicas, a developer of ISO MPEG-4 real-time video coding solutions, based in Germany, as its CEO in the beginning of 2001.

Since 2004, Sebastian has been president of the MPEG Industry Forum (MPEGIF).



Anver Anderson

With over 25 years experience in the communications industry, Anver manages Anver Ltd, a full service solutions agency for the satellite and broadcast industry. Anver has worked for global satellite operators and service providers and has experience in business development and product marketing centred on sport and news gathering.



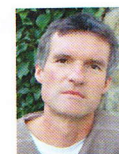
Dr Helmut Stein

Helmut's professional career started in 1973 at Robert Bosch in Stuttgart. Later he has been a board member for R&D in Blaupunkt and Nokia. In 2001, he joined German payTV operator Premiere as COO to help restructure the company.

He has been in the board of European research projects like Eureka 95 (HDTV), PALplus (16:9) and a founding member of DVB in 1991/1993. Since then he has been a member of the DVB Steering Board and Chairman of the Promotion and Communication Module (PCM) since its creation.

Today he runs his own company, ISDM (International Strategies for Digital Media).

Helmut studied Physics and Radio-Astronomy at the University of Bonn, Germany.



Philip Hunter

Philip is a technology journalist covering TV broadcasting and content technologies. Coming from an IT background as a former programmer and software test analyst he is well placed to understand the current migration of content to a digital platform served on demand. Philip writes for CSI on a variety of topics.



Awards shortlist 2009

Best outside broadcast technology or service

Digital Rapids

TouchStream

TouchStream portable live video encoding/streaming appliances deliver output quality in a self-contained, easy-to-deploy form factor. Models support live encoding and streaming in multiple formats (such as H.264 and VC-1) for applications ranging from Flash and Silverlight web experiences to IPTV set-top boxes and mobile phones. Easily transportable, TouchStream appliances are ideal for professional media streaming in the field, on a desktop or in a rack.

TouchStream



Harris

QVM6800+ Quad Card

The card is a quad-split multiviewer in a card that brings full multi-image display processing functionality to the Harris 6800+ modular core processing platform. A small-footprint multiviewer solution, the QVM6800+ features auto-sensing of all input formats, including 3Gb/s, HD-SDI, SDI and composite sources, as well as simultaneous DVI and HD-SDI outputs.

Newtec

MENOS

MENOS (Multimedia Exchange Network Over Satellite), a networking concept used to exchange multimedia content over satellite, allows broadcasters to share video and audio material among several scattered sites. A central hub station provides permanent two-way satellite IP connectivity among all remote stations. MENOS uses DVB-S2, combined with statistical multiplexing.

SIS Live

uPod Micro

uPod Micro is a complete satellite uplink system for broadcasters designed to reduce the cost and complexity. There is a complementary online booking system that can be used to book satellite space and remotely control the uPod. The Micro was designed to meet new IATA baggage regulations of under 23Kg per case, and packs into 'hostess' style trolley cases.

Best playout/connectivity service or solution

never.no

Community TV

Community TV is a web 2.0 application toolbox tailored for broadcast integration with user-generated content or content provided by mobile journalists. It is a complete solution for ingest, editing, moderation, playout and publishing.

Community TV



Omneon

MediaDeck GX

MediaDeck GX is a complete channel-playout solution that combines video server playout, graphics, and audio processing, all of which operate under the control of the user's preferred automation system. It plays out stored stills and animations, supports transitions and DVE effects typical of presentation mixers.

Best digital video processing technology

Ateme

Kyrion File Encoder (KFE 2)

Kyrion File Encoder 2 is a software solution which enables operators to launch mobile TV, VoD and/or internet TV service deployments to a wider range of potential subscribers than is possible using current codec technology.

KFE 2 can transcode any type of mezzanine input files to H.264 or MPEG-2 wrapped in different flavours for multiple destinations.

Harmonic

DiviCom Electra 8000

The Electra 8000 is a universal SD/HD MPEG-2



and AVC encoder, the first 1-RU encoder with multi-resolution, multi-standard, multi-service and multi-channel capabilities. It enhances bandwidth efficiency by 20% for MPEG-2 and AVC HD and provides up to four SD or HD channels of CBR or VBR video using either MPEG-2 or AVC, and supports 1080p50/60.

Motorola

DSR-6300

The DSR-6300 is a multi-channel digital satellite receiver that receives DVB-S2 signals of MPEG-4 HD content and converts them to MPEG-2 for compatibility with existing cable systems. Capable of receiving three channels of MPEG-4 HD content the high density DSR-6300 allows for up to nine services output in a QAM-

friendly output: three channels of MPEG-2 HD, three channels of MPEG-2 SD and three channels of MPEG-4 HD.

Tandberg Television

EN8100

The EN8100 is a new MPEG-2 SD encoder, designed from the ground-up to deliver a step change in MPEG-2 compression performance. It cuts MPEG-2 SD bandwidth requirements by at least 15%, even for legacy set-top box operations. The EN8100 is a powerful MPEG-2 broadcast encoder and also dense, with up to six hot-swap channels per 1RU, which is 50% better than competitors. This encoder has low power consumption and reduces carbon footprints.

Best satellite contribution/distribution/transmission solution

Ateme

Kyrion CM4101 Encoder and DR8400 Decoder

The Kyrion CM4101 encoder and DR8400 decoder pair is the first 10-bit 4:2:2 AVC/H.264 solution, enabling video quality to remain pristine (in 10-bits) throughout the process chain, together with improved bandwidth management.

Newtec

FlexACM

FlexACM is an end-to-end solution for implementing ACM technology, IP shaping, compression and acceleration in a very efficient way in satellite IP links. It allows to turn all the additional margins into increased data throughput.



CM4101 encoder

Tandberg Television

RX8200

This is a flexible multi-format professional integrated receiver decoder, which offers a range of à la carte hardware options to provide a new way for customers to balance functionality and cost for each application, and support for future decode modules such as MPEG-4 4:2:2 and AVC-I.

Harmonic

ProView 7000

This integrated receiver and stream processor is the first solution to combine a scalable video receiver, DVB descrambler, multi-format decoder, and MPEG stream processor in 1RU.

Best monitoring or network management solution

Cisco

Video Assurance Management Solution

The VAMS solution provides a modular, extensible fault management architecture designed for broadcast TV services over multi-vendor IP networks. This standards-based solution enables real-time, centralised monitoring and management of multivendor, multi-technology, headend, backbone, regional, and aggregation networks.

the first solution to combine a scalable video receiver, DVB descrambler, multi-format decoder, and MPEG stream processor in 1RU.

JDSU

NetComplete

NetComplete Home Performance Monitoring provides end-to-end proactive service fault management by continuously monitoring the performance of home networking equipment. It automatically identifies customers that are experiencing degraded service and poor performing network elements. It supports in-

S3's StormTest



IneoQuest

VeriFrame

This integrated receiver and stream processor is



service diagnostic testing with real-time data.

Silicon & Software Systems (S3) **StormTest**

StormTest is an automated test system for set-top boxes that can replace manual black-box and

white-box testing with a more accurate and cost-effective alternative. It supports cable, satellite, terrestrial and IPTV testing. Test scripts are written in the Python language and external signal sources can be controlled using standards SOAP protocol.

Best customer premises technology

ADB **4820C**

The ADB-4820C is the first set-back or top box to be certified tru2way by CableLabs and the first capable of easily mounting to the back of a flat panel TV. It is HD enabled and OpenCable compliant, and features a DOCSIS 2.0 return channel for VoD etc.

Cisco **8485DVB**

This MPEG-4 HD hybrid digital video recorder and media server offers the latest enhancements in TV viewing by combining the power of IP and broadcast video in one integrated STB.

EchoStar **SlingLoaded 900-Series**

The EchoStar SlingLoaded 900-series HD, DVR

is developed for hybrid broadcast/IP applications, combining AVC, HD digital reception, DVR, 1 TB hard drive, expanded USB storage, and place-shifting/home networking applications from SlingMedia. It features point-and-click navigation and touch-pad remote control.

Pace **TDS850NV**

Pace's TDS850NV set-top box, which was developed for Viasat, is a hybrid HD-PVR with 250GB hard disk drive space that incorporates H.264 compression on dual tuners to enable the user to watch one channel while recording another or record two channels while watching stored content. It also features an Ethernet connector allowing content to be downloaded via IP.



The TDS850NV set-top from Pace developed for Viasat

Best terrestrial wireless contribution/distribution/transmission

ADB **5810TX**

This is an interactive HD DVR and one of the first introductions of a push-VoD ready and pause live TV platform for DTV. The unit is compatible with HD (MPEG-4/ H.264) and SD (MPEG-2) TV, and includes single-chip microprocessor, dual tuner, double USB, a 500GB HDD, fast Ethernet and HDMI interface, enhanced graphics engine.

Nagravision **PCTV**

The solution enables any PC to receive terrestrial

pay television content. It provides all reception means for terrestrial signals, support for high definition content, hard disk storage (PVR) and full content protection (DRM).

Telegent **TLG2300**

This is the first single-chip CMOS DVB-T and NTSC/PAL/SECAM TV receiver enabling broad access to digital and analogue free-to-air TV on personal computers and portable devices using existing broadcast and cable infrastructure.

Best workflow/asset management/automation solution

AmberFin **iCR**

iCR delivers superior image quality for HD/SD ingest, video conversion and transcoding

through its image processing techniques. AmberFin's integrated QC, automation and asset management and tight integration with industry standard storage also offers a path for content



MediaFlex at Sky Italia

owners looking to reduce the costs associated with managing and distributing media for multiple revenue-generating platforms.

Cisco

Managed Media Solution (C-MMS)

The solution is a platform for delivering live and on-demand digital media, differentiating an operator's services from non-traditional internet content providers. It allows high-speed data operators to host online video and addressable advertising from within their cable DOCSIS, DSL and FTTH networks, while reducing expenses created by third party content providers.

TANDBERG Television

WatchPoint CMS

The WatchPoint Content Management System (CMS) was specifically designed to meet the

dramatic infrastructure changes happening in today's DTV market. This system provides centralised management of any metadata format, content type, and any workflow process, allowing for a multi-screen strategy. The system enables unprecedented visibility of the content that enters the library throughout the content lifecycle.

TransMedia Dynamics (TMD)

i-mediaflex

Mediaflex enables broadcasters and media organisations to manage both physical media and digital file-based content with their associated workflows. Using i-mediaflex, users from both inside and outside an enterprise can examine the same content and workflows from any available desktop browser - PC or Mac.

Best content protection technology

harmonic



Rhonet Carbon Coder

Civolution

Internet Services

This enables content owners and content distributors to identify, manage and monetise media on the internet. The solution uses advanced fingerprinting technology and consists of an array of applications that give the content owner the capabilities to monitor online video usage (including social media/UGC sites), evaluate reach and performance, take down unauthorised published content and re-direct or address specific audiences with targeted behavioural advertising. The extracted fingerprints can be repurposed to monitor broadcast television.

Harmonic

Rhonet Carbon Coder Fingerprinting Solution

This solution can now be used as a delivery platform for generating ID files for YouTube's Content ID System. This integration means that the digital fingerprinting process which was previously cumbersome is now an efficient and high performance protection system that allows

users to automatically generate an ID file or "fingerprint" of the video content they own during the transcode process.

Latens

Software-Only CAS For One Way Networks

This is a secure software-only cardless CA system for one-way networks on the market, removing the capability of fake cards being used and allowing instant hack recovery. It is designed for terrestrial, cable and satellite payTV networks with no return path.

Verimatrix

VCAS for DVB

Video Content Authority System (VCAS) for DVB enables payTV operators to combine standards-based DVB technology for broadcast distribution with the interactivity of IP-based networks using a single, robust security solution. It offers multi-level client security that can be mixed in the same broadcast network.

Best fibre contribution/distribution/transport solution

Arris

1GHz CHP CORWave II DWDM Multi Wavelength Solutions

The ARRIS CORWave II is a cutting edge multi

wavelength 1 GHz optical transmitter that operates in the C-band to provide 1 GHz full spectrum optical transmission, 4 -16 DWDM wavelengths in the forward path on as few as one



fibre, and reach up to 65 km.

Cisco

ASR 9000 Series Routers

Cisco's latest service provider Carrier Ethernet platform, optimised for video delivery, designed for scale and investment protection with a per-slot density of 400 Gbps/slot density, using efficient modular 'pay-as-you-grow' power supplies, and high reliability. Designed to support converged residential, business, and mobile networking over a single IP network.

Net Insight

Nimbra 688 with Ethernet Switching

This solution is a next-generation multiservice

switch with a 320 Gbps backplane combined with a advanced switching architecture. The solution is one of the first high-capacity multi-service provisioning platforms (MSPP) on the market with sub-Mbps switching granularity for all services, enabling 97% bandwidth utilisation and 100% QoS for delivery of video, voice and data services.

T-VIPS

TVG450 JPEG2000 Video Gateway

This is a JPEG2000-based solution that enables the bi-directional transport of SD and HD video over Ethernet connections. This is the first solution capable of taking full 1080p 50/60 (3Gb) contribution links and outputting as JPEG2000 video at 200-400 Mbps.



SeaChange AdPulse

Best content on-demand solution

Arris

MDX9200 and ConvergeMedia

The solution is comprised of the MDX9200 VoD server and ConvergeMedia Management Suite. It empowers operators with top of the line media delivery and management tools, to provide viewers/subscribers with VoD content across multiple networks.

first-of-its kind initiative on such a large scale that allows for the dynamic insertion of ads into on-demand programmes. Virgin's VoD ad platform is built upon SeaChange's AdPulse On Demand system, which integrates with Virgin's core VoD platform to provide the ad management business functions that automate the dynamic insertion of ads into its on-demand video streams.

Nagravision

Media SDP's VoD Shopping Mall

An end-to-end multi-content aggregator solution for cable VoD allowing for the introduction of VoD services to an existing cable infrastructure, requiring minimal incremental CapEx and fully transparent to the content aggregators.

Tandberg Television

Xport

Tandberg has showcased a first-of-its kind technology demo of dynamic ad insertion and ad swapping into live, time-shifted programme streams. By combining the capabilities of Xport Time-Shifted TV (TSTV) solution for network-PVR with the AdPoint Advanced Advertising Platform, the solution provides a working model for operators, programmers and advertisers to further monetise ad inventory.

SeaChange

Virgin Media Dynamic VoD Advertising Programme

Virgin Media's VoD advertising programme is a

Best cable video/data/voice last mile transmission technology



Motorola BSR6400

Aurora Networks

RFPON Solution

The first single-fibre end-to-end RFPON solution, employing an intermediate virtual hub location, VHub, designed to overcome limitations of basic RFoG solutions - distance, fibre-bundle size and network availability. It requires eight times less fibre to support 256 subscribers, facilitates route

redundancy and alleviates upstream and downstream bandwidth limitations.

Harmonic

SUPRALink 1550 nm DWDM Transmission System

Harmonic's family of 1550 nm SUPRALink transmitter modules is designed for advanced



broadband networks. The compact, user-friendly modules can each carry 1 GHz of analogue and digital content, allowing deeper deployment of optical nodes and minimising the expense of deploying more fibre.

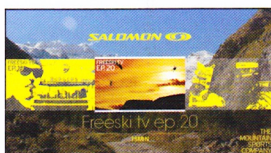
Motorola

BSR 64000 CMTS/Edge 5.2 Router

Motorola's BSR 64000 release 5.2 is a carrier-

class, intelligent CMTS/edge router. The solution allows cable operators to cost-effectively and efficiently deploy Ultra-Broadband services in excess of 140 Mbps (DOCSIS) / 200 Mbps (EuroDOCSIS) with reliable quality of service by implementing downstream channel bonding on existing solution platforms for high availability and greater control of IPTV traffic.

Best interactive TV technology or application



Snowflake

ADB

Hybrid Web2.0

ADB's Hybrid TV system is a complete off-the-shelf solution for operators to take advantage of the PC/TV convergence and effectively deploy new IPTV services. It includes ADB's HD hybrid DVB-T/IPTV set-top box with USB DVR functionalities, ADB's Software Development Kit and Solocoo Web2.0 applications from Stream Group.

managed services allowing monetisation of viewer interaction with linear and internet delivered media. Miniweb's tools and templates make it easy and quick to design, build and publish interactive destinations.

NDS

Snowflake

Snowflake is a conceptual UI designed to provide the same look and feel on multiple devices. Snowflake's intuitive design uses a minimalist 3D grid overlaid onto live TV. It is controlled by a remote control with just six buttons: up, down, in, out, left and right. Snowflake can also be controlled by iPhone or iPod Touch devices.



An emuse technologies and BBC developed application for Mediaram showing how BBC content could look

Microsoft

Mediaram Presentation Framework

Microsoft Mediaram Presentation Framework is the latest application development environment that provides next-generation features and functionality to create innovative and elegant interactive TV experiences.

Osmosys

OsmoStore

OsmoStore is an applications store solution for digital TV receivers. It provides operators with a choice of applications to download to their STBs. OsmoStore enables third party developers to display and enable applications for download, based on the GEM platform.

Miniweb

Interactive Service Platform

The open platform enables network, media and TV device companies to exploit the global growth in broadband enabled TV services through

Best IPTV technology or service

Cisco

Visual Quality Experience (VQE)

VQE is a suite of standards-based applications designed to guarantee the highest video quality of experience. It is optimised for reliable delivery of IPTV over xDSL and FTTx.

The Ericsson IPTV Middleware is the first commercially available IPTV middleware that is integrated with IMS. Features include Internet TV, Web 2.0 applications like Flickr and Twitter, and third-party applications like gaming and last.tv. IMS-enabled features include presence, messaging, broadcast reminder on mobile and extended parental control from mobile.

EchoStar

SlingLoaded 900-Series

See entry in CPE category for description.

Latens

ECO 4.0

ECO 4.0 is a single application IPTV middleware combined with Latens software

Ericsson

IPTV Middleware

conditional access. Designed to support all network types including multi-region, multi-language, ECO 4.0 is a fully customisable

middleware that incorporates Latens CAS, ensuring content is secure and available across all DLNA devices.



Best mobile TV technology or service

Harmonic

Converged Mobile Video Delivery Platform

Harmonic's mobile solution is a content preparation and transcoding platform for mobile video delivery to various networks and devices. This end-to-end solution enables operators to provision live, time-shifted and on-demand content on a mobile device.

MobiTV

Mobi4Biz

A new hyper-personalised mobile TV 'vertical application' that focuses on financial news and information from the likes of CNBC, Bloomberg

and FOX Business. It is an independent video-centric service that offers stock data, business news and related information, including company-specific VoD content.

Telegent

TLG1120

The TLG1120 is a single-chip mobile TV receiver that enables handsets to receive free-to-air analogue broadcast television signals, including NTSC, SECAM and PAL. The solution enables consumers to receive the same live, free over-the-air television programming that they watch on their conventional TV sets at home.

Mobi4Biz from MobiTV



Best HDTV technology or project

Axar Media

AXAR 1000

This is a wireless HD video transmitter/receiver that reliably streams HD quality video from a set top box, DVD, BluRay etc across all rooms of a home. The device uses standards based 802.11n Wi-Fi and H.264 AVC technology in conjunction with a unique patented approach to penetrate through multiple walls, floors and doors.

EchoStar

SlingLoaded 900-Series

See entry in CPE category for description.

Harmonic

DiviCom Electra 8000

See entry in Digital video processing for product description.

Humax

FOXSAT-HDR

The FOXSAT-HDR is a free-to-air satellite receiver and twin tuner DVR. The only box for Freesat+, it has become the best- and fastest-selling Freesat STB in the UK. It features a 320GB hard drive.

Best Web TV technology

Brightcove

Online video platform

The Brightcove software-as-a-service (SaaS) online video platform is a widely-adopted software for publishing and distributing professional video on the Web. The world's largest news and entertainment media companies and Fortune 1000 enterprises rely on Brightcove for video content management, video syndication, advertising and analytics. Brightcove is available in three editions - Basic, Pro and Enterprise.

Digital Rapids

TouchStream

See entry in OB category for description.

NDS

InfiniteTV

With InfiniteTV, consumers will be able to access a wide range of premium content ad-funded for free over the open internet without the need to pay a subscription fee. The platform relies on NDS' solutions for addressable advertising, metadata management and content delivery.



InfiniteTV