

## Future Internet. Bled Conference



Internet was designed for communication among machines and to find IP addresses, however Internet is used for content distribution, and this dysfunctional design will only increase in the future. All the same, Networked Media Systems are the next IP traffic drivers. Both ideas represent clearly the vision that the Future Internet will be an Internet of Media. Due to the double nature of the Future Internet (network and media) different, complementary though in some degree, but definitely cooperative, aspects need to be exhaustively identified, discussed and analyzed. These aspects concern both potential ingredients of next generation networks and new forms of creative media.

The principles used in the design of the Future Internet will be driven by technical decisions and will have a big impact on the current business models of telecom and media companies. If the new design incorporates more 'intelligence' within the infrastructure it will allow the provision of new added value media services by the owners of this infrastructure.

The consultations carried out by the Networked Media unit of the Directorate General Information Society and Media of the European Commission covers the main problems of current Internet and Media systems as well as some reflections about the design of the Future Media Internet. Our consulted experts believe that the Future Internet infrastructure needs intelligence embedded into its protocol to meet the requirements imposed by the New Networked Media of the Future. In particular the future network would incorporate three main capabilities:

1. Connectivity capability that includes characteristics needed for a Future Media Internet such as: real-time, virtualisation, ubiquitous, terminal adaptation, multi-device, and self repairing.
2. Media/people capabilities embedded into the network protocols providing support for media annotation, search and

retrieval as well as collaboration based on trust and privacy. New routing mechanisms could be considered to this aim.

3. Task-specific capabilities supporting a robust link between real and virtual worlds and providing support for interactivity, 3D and multimodal media, as well as context awareness.

This is a work in progress that needs research both in the new Networked Media systems of the Future as described by the EU Networked Media Task Force as well as on the delivery infrastructure of the Future Media Internet (FMI). Towards this goal the Networked Media Systems Unit is supporting the EU Future Media Internet Task Force (FMI-TF) to shape the FMI. This EU FMI-TF will be coordinated by the four Networks of Excellence that are part of the Networked Media Systems portfolio.

The Bled conference on the Future of Internet to be held in Bled (Slovenia) from 31 March to 2 April 2008 is organised under the Slovenian Presidency of EU with support of European Commission, DG Information Society and Media and several industrial sponsors. The aim is to define an EU vision about the Future internet RTD perspective. More information can be found at: [www.fi-bled.eu](http://www.fi-bled.eu).

This vision of a Future Media Internet will be the cornerstone of the future RTD activities of the Workprogramme 2009-2010 of the Networked Media Systems Unit. We trust on a full support and participation from the networked media systems constituency to take advantage of the unique opportunity of defining the Future Internet infrastructure as well as the New Networked Media of the Future that will both be the basis of future IT environments for professional and leisure activities.



**Isidro Laso.**  
European Commission.

Workshop on "Future Media Internet" held on 22 February 2008 in Brussels.  
Report on Future Media Internet at: [http://ftp.cordis.europa.eu/pub/ftp7/ict/docs/netmedia/20080101\\_fim\\_en.pdf](http://ftp.cordis.europa.eu/pub/ftp7/ict/docs/netmedia/20080101_fim_en.pdf)

- 2 NEM moves on
- 3 The Future Media Internet and NEM
- 3 EU-India conference on NEM technologies Ready
- 4 Discussing Networked Media Work Programme 2009-2010
- 4 Euro-India ICT Information Day – 22nd April 2008

- 5 MobiThin project
- 6 NEM extends its presence in Latin America
- 7 The tourism sector: enormous opportunities for NEM technologies
- 7 Audiovisual Market in Granollers

NEM moves on

## 2008 NEM Summit "Towards Future Media Internet"

October 13-15, 2008

Palaia du Grand Large - Saint Malo, France



"NEM recently held its 6th General Assembly in Luxembourg, providing a great opportunity to exchange views with Roberto Cencianni, the head of Unit of Content & Knowledge, and with Luis Rodriguez-Rosello, head of Unit of Networked Media, on the new ICT work program as well as on trends and future research priorities. It was also a good opportunity to let several NEM members present project ideas for the current open calls. Furthermore, this assembly provided the opportunity for attendees to meet the Content Industry more closely, as was strengthened in October 2007 ('what will be a network without content?'), through exchanges with two regional initiatives - Games in Germany and Imaginove in France.



The 6th General Assembly highlighted that 2008 is again an interesting year for NEM: we will revise our vision towards 2020, we are updating (and focusing!) on our Strategic Research Agenda, and we are investigating the Future Media Internet with a view of forming a Joint Technology Initiative in coordination with other ICT Technology Platforms.

2008 is also the year for the NEM community to expose its leading European position towards Future Media Internet. Our NEM summit is the opportunity for all of our NEM members to demonstrate that we are transitioning from the birth of a new sector to real, existing and promising user-centric future.



Start the dream of our future world through this ninth NEM newsletter.

**Jean-Dominique Meunier**  
Thomson

The NEM community is doing lots of work related to the Future Internet but in many ways it is not doing enough. Our attempts to document our Future Internet scenarios are not as successful as they should be. This is somehow indicative of the problem that we expect a lot of the network, security and management features that will underpin our advanced new media services to be provided by others.

This is flawed logic; the new network will have to be something that has the inherent capability and flexibility to support the different service requirements and the ever growing volumes of data that need to be moved within various time, quality, traceability and security constraints. There is a huge need for ongoing dialog across the disciplines to ensure as we begin the migration towards the Future Networked Society, the network services and regulations all evolve at the same speed. And this speed must be much faster than previous generations of communication networks and services evolution. We must also watch that some financial based trends of today, like functional separation, for commercial or regulatory reasons, does not become one of the key impediments to developing the Future Network.

The first steps to develop a new approach to working in a coherent way are now emerging as NEM, together with the eMobility, NESSI and ISI technology Platforms has started to investigate if we should have a European Joint Technology Initiative (JTI) on the Future Internet. This is a process where we try to identify a common research agenda and then get

EC, member nations and industrial support for implementing this agenda through a strategic plan. If it is to progress then a working structure must be created, we have the success of the Eureka CELTIC cluster and the already implemented JTIs which we can use to base our ideas for a more efficient and effective JTI structure on.

For NEM members it is even more important that they put their prioritised ideas about what is important to define and develop the Future Internet on the table and get into whatever Future Internet research agenda that may emerge.

I hope by the time you read this you will know of a NEM led session in the BLED event and that NEM members are leading a discussion on what the network needs to know about advanced (3D?) services for the all-inclusive European networked society that we must implement in the next 15 years. Think of the changes you have seen in the last 15 years....not easy is it? This is what NEM wants to achieve and you should be the agent of this change. "just do it"



David Kennedy  
Eurescom



## EU-India conference on NEM technologies Ready

As related in the list letter edition, NEM, ITSMA and the European Commission are organising a workshop on the 23rd of April in Bangalore, the objective is to develop a common vision between Indian and European industry and consequently identify potential technological areas where "ad-hoc" joint research and S&T cooperation could be established in the short and/or medium-term horizon.

This workshop is colocated with an ICT Infoday organised by the Euro-India project ([www.euroindia-ict.org](http://www.euroindia-ict.org)) on the 22nd and with a lab visit where European participants could get an overview of the competencies and establish contact with the objective to set up collaborative projects for the next FP7 calls.

At the time being most of the speakers have been identified, the workshop will address the following aspects from business and technical perspectives :

- content creation
- Networking delivery infrastructure
- Terminal and user devices
- Enabling technologies

It will end by a panel session which will address specifically the involvement of SMEs in NEM collaborative projects.



Pierre Yves Danet,  
France Telecom  
Surbhi Sharman  
ITSMA



More information available at  
[www.nem-initiative.org](http://www.nem-initiative.org)

# Discussing Networked Media Work Programme 2009-2010

The objective of the Networked Media Systems unit <http://cordis.europa.eu/fp7/ict/netmedia/> of DG Information Society and Media in FP7 is to create new multimedia experiences for the content producers/owners as well as end-user while enhancing the freedom in control, creation and sharing of multimedia.

The combination of media and networking goes in parallel with the user's drive to acquire more control of their media. The enhanced control and more choices offered to consumers through the introduction of advanced networking also increase the individual

"freedom" of expression. In this context, it is expected that in the near future more users will become producers and distributors of content. Such a vision where the user plays a central role will have a number of implications and poses a number of technological challenges, to name some:

- User Generated Content: novel tools for user-driven creation, aggregation, configuration and re-combination of digital content from different distributed media sources, distributed creation of Media, based on advanced creativity tools, content representation and manipulation.
- The increased availability of MM content prompts the need for advanced MM Search Engines with the ability to perform interactive, scalable, multi-modal content search, diverse search paradigms, search in distributed repositories.
- Applications and trials of advanced distributed services ensuring highest quality of experience and based on high resolution, 3D and immersive environments, such as Massive Multiplayer on-line Games or Digital Electronic Cinema.

Against this background, DG Information Society and Media, in the context of preparing the Work Program for the period of 2009-2010 of 7th Framework program of EU funded R&D, organised on 29/01/2008 a one day open workshop [http://cordis.europa.eu/fp7/ict/netmedia/neweve/c200801/c200801\\_en.html](http://cordis.europa.eu/fp7/ict/netmedia/neweve/c200801/c200801_en.html). The aim of the workshop was to define R&D challenges addressing the networked media sector as well as the needs and EU priorities for collaborative research projects in the 7th framework program. It also offered an opportunity to refine the research priorities set in the ICT FP7 Work Programme for the period of 2007-2008 (Objective ICT-2007.1.5 of the ICT FP7 Work Programme 2007-08 [ftp://ftp.cordis.lu/pub/fp7/ict/docs/ict-wp-2007-08\\_en.pdf](ftp://ftp.cordis.lu/pub/fp7/ict/docs/ict-wp-2007-08_en.pdf)) in light of the response to the 1st call for proposals of FP7. At the same time, an on-line consultation of all interested sector actors was launched [ftp://ftp.cordis.europa.eu/pub/fp7/ict/docs/netmedia/20080129-contributions-for-www\\_en.pdf](ftp://ftp.cordis.europa.eu/pub/fp7/ict/docs/netmedia/20080129-contributions-for-www_en.pdf)



**Demosthenes Ikonomou**  
Networked Media Systems  
European Commission, DG  
Information Society and  
Media (DG INFSO)

Both the workshop and the contributions to the on-line consultation confirmed that the R&D objectives as formulated in the current WP of FP7 Objective 1.5, mostly, remain valid also for the period of 2009-2010. In this context, user-generated/centric content as well as community networks are expected to generate new business opportunities. Interaction with content, media-to-network dynamic adaptation, advanced search capabilities across distributed repositories and dynamic adaptation to memory characteristics of multi-terminal remain solid research drivers.

Advances in 3D processing give rise to innovative applications notably in gaming technologies and in virtual worlds which place new types of traffic demands and constraints on network architectures. 3D collaborative platforms create new requirements in terms of information representation, filtering, aggregation and networking. They also drive demand towards more sophisticated search tools and raise issues of identity management, ownership and trading of virtual digital objects, right of use, and personalised advertisements. These environments coupled with their usage rules hold the promise of a "3D Media Internet" which will form the basis of tomorrow's networked and collaborative platforms.

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## Euro-India ICT Information Day – 22nd April 2008



**Hilary Hanahoe**  
Trust-IT Services Ltd.

Euro-India ICT Co-operation Initiative (EuroIndia) is a 24-month EC-funded project aimed at addressing strategic goals to identify and sustain EU and Indian Research & Technology Development (RTD) potential. Key objectives include mapping of ICT research and innovation activities across India and survey the Indian ICT R&D players, which will be supported by Information Days and Technology Brainstorming events across India.

The first EuroIndia Information Day is taking place on Tuesday 22 April 2008 in Bangalore in conjunction with the Networked Media Workshop (NEM) - Wednesday 23 April. The Information Day offers participants an opportunity to understand how to collaborate with entities on competitive Information & Communication Technologies (ICT) projects funded by the European Commission.

Participation is FREE but subject to prior on-line registration. For registration & more information on the EuroIndia Information Day visit [www.euroindia-ict.org](http://www.euroindia-ict.org)

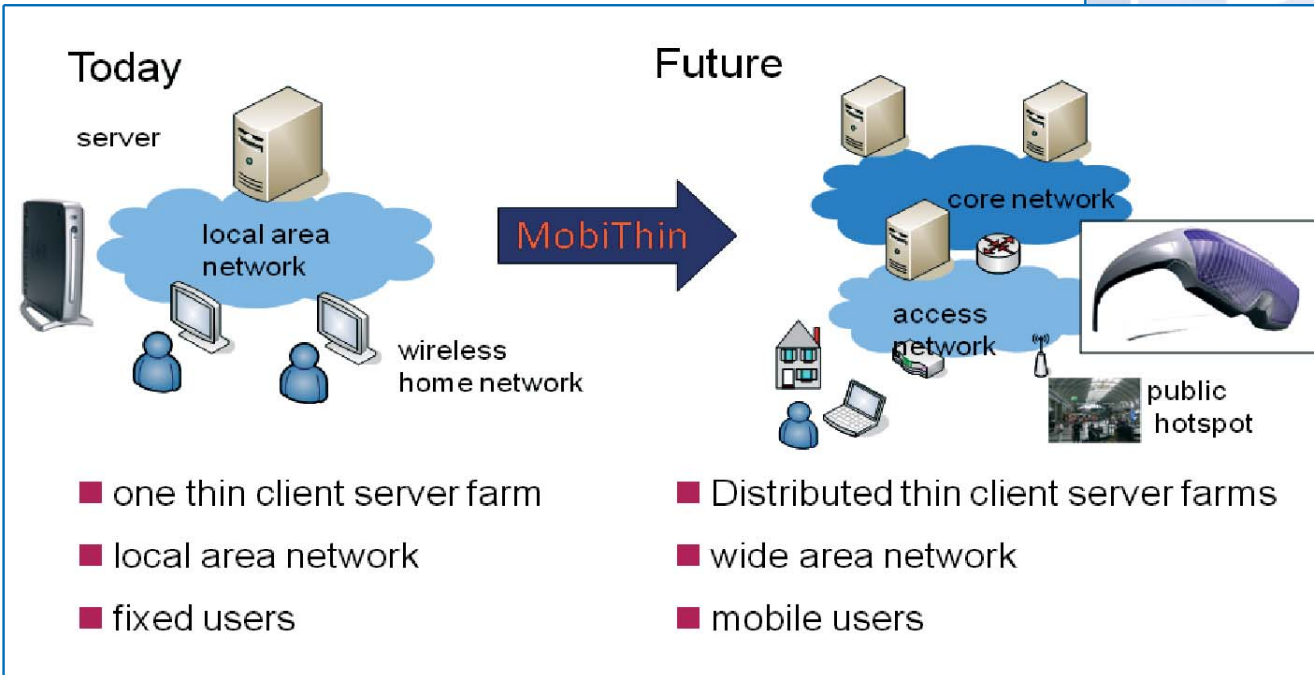


**Jean-Charles Point**  
JCP-Consult

MobiThin project  
(FP7 - ICT - GA 216946)  
has started on January 1st, 2008

MobiThin is a STREP which has been selected in call 1 (objective 1.1) of FP7.

The project addresses the mobile thin client paradigm, having a very large deployment potential because of the growing needs of mobile terminals in terms of hardware resources and bandwidth to run new demanding applications including video streaming and 3D AV content. The project has the goals to define and implement an overall architecture for mobile thin client paradigm and to contribute to standardization.



The diagram above summarises the paradigm investigated by MobiThin; the project is quite unique as it addresses a general issue of linking rich media content and applications, resources and bandwidth management in a distributed architecture.

As there are currently no standard groups that address specifically these architectural issues; Mobithin has several ambitions:

- To gather a cluster of projects and interested stakeholders addressing these issues, possibly in NEM, in order to allow discussion and exchange on technical, use cases, socio-economical issues.
- To investigate the set-up of a standard activity in charge of identifying and addressing these challenges.
- To set-up specific events addressing these topics.

If you are interested in joining and contributing to these activities, please contact us!

The project gathers a strong and focused consortium of leading partners in that field:

Interdisciplinary Institute for BroadBand Technology vzw (IBBT vzw - BE), T-Systems Enterprise Services GmbH (T-Systems - DE), Prologue Software (Prologue - FR), Interuniversitair Micro-Electronica Centrum vzw (IMEC vzw - BE), NEC Technologies (UK) ltd (NTUK -UK), Groupe des Ecoles des Telecommunications (Institut TELECOM, former GET - FR), JCP-Consult SAS (JCP-Consult - FR)

For more information, contact  
Bart Dhoedt (bart.dhoedt@intec.ugent.be) or  
Jean-Charles Point (pointjc@jcp-consult.com)  
<http://www.mobithin.eu>

# NEM extends its presence in Latin America



**Antonio Alfaro**  
ROSE Vision

**NEM platform, since 1st March, is more present in Latin America thanks to SALA+ Project**

SALA+, is a collaborative European project (support action) funded by the European Commission where European and Latin American entities work together with the objective of paving the way for facilitating future cooperation between European and Latin American entities. The aim is to encourage international cooperation between researchers, technology centres, companies, universities and European and Latin American experts on networked and electronic media (NEM).

The project was created as a response to the needs identified by the Global NEM Activity of the NEM Technology Platform. This Activity (initially launched as NEM cluster) fosters international cooperation between the NEM Technology Platform and researchers around the world and has identified Latin America as one of the key world regions ripe for the promotion of international cooperation in the Networked Media field.

SALA+ is designed to support the implementation of the Information and Communications Technologies (ICTs) work programme as a part of objective ICT-1.5 Networked Media, under the 7th European Community Framework Programme for Research and Development. In this context, SALA+ aims to stimulate and promote cooperation in the field of networked and electronic media (NEM) through collaborative R&D initiatives.

SALA+ will identify specific areas for Scientific & Technological cooperation within the Networked Electronic Media field. One of the most relevant expected results from SALA+ will be the establishment of robust relationships between European and Latin American entities (industrial sector, universities, technological centres, associations, etc.) aiming to foster the launch of collaborative R&D projects in the context of the forthcoming FP7 ICT Work Programme 2009-2010 and beyond.

The tasks and objectives of SALA+ include:

- Identify the Latin American R&D programmes and agencies with competencies in these programmes for research activities in the Networked Media sector. After analysing these programmes, SALA+ will propose new R&D themes priorities expanding the scenarios of cooperation between Europe and Latin America in the NEM field.

- Produce specific Strategic Research Agendas (SRA) for each one of the following countries: Argentina, Chile, Colombia, Costa Rica, Guatemala and Uruguay. NEM SRA will be one of the main references that will be taken into account.

- Produce a harmonized EU-Latin America SRA, in alignment with the NEM Technology Platform SRA and other European national R&D programmes in terms of priorities, objectives, expected output, impact, etc. This harmonization is intended to facilitate future cooperation between European and Latin American partners.

- Organisation of conferences, workshops and FP7 ICT Info Days in order to increase awareness of the opportunities that are available for Latin American organisations through the EU FP7 ICT Programme and other European R&D programmes. Events will be organized in the following countries: Argentina, Chile, Colombia, Costa Rica, Ecuador, Guatemala, Paraguay, Peru, Uruguay and Venezuela.

The results of SALA+ will be instrumental to pave the way for a successful S&T cooperation between European and Latin American partners within the context of the EU 7th RTD Framework Programme and even other international R&D initiatives as far as the Networked Media sector is concerned. It is expected that a good number of partnerships of European and Latin American organizations will be consolidated, with the potential to prepare and submit joint project proposals towards future FP7 ICT Calls.

The SALA+ consortium comprises thirteen partners, with the Spanish Association of ICT companies (AETIC) as the coordinator. Other partners involved in SALA+ are:

- Centre for Technology and Innovation Management GmbH (Germany)
- Queen Mary and Westfield College, University of London (UK)
- Sigma Consultants (France)
- Rokasud (Argentina)
- Universidad Técnica Federico Santa María (Chile)
- Superintendencia de Telecomunicaciones (Guatemala)
- Asociación de Reguladores "Regulatel" (Colombia)
- Comisión Técnica Regional de Telecomunicaciones de Centroamérica (COMTELCA), based in Honduras;
- Federación de Asociaciones de Latinoamérica, el Caribe y España de Entidades de Tecnología de la Información (ALETI), based in Costa Rica;
- Aretel Bio Bio (Chile)
- HyC Americas (Chile)
- Ministry of Industry, Energy and Mining from the Republic of Uruguay.

Further details and information about the project can be requested to [aprotech@aetic.es](mailto:aprotech@aetic.es). Please, join SALA+ events!

# The tourism sector: enormous opportunities for NEM technologies

Tourism is one of the fastest growing industries in Europe and worldwide. In recent years, growth rates in tourism have been higher than those of the overall world economy. Moreover, from a global perspective, the European Union is still the most tourism-intensive region worldwide. This assessment can be backed by numerous key figures like contribution to regional GDP, global market share or employment effects. In the EU nearly 15 million enterprises directly related to tourism employed about eight million persons in 2006 and generated more than 419 billion euro of production value.

Tourism is an economic sector based on information, where products are trust goods. However, yet in a ranking of the ten sectors studied in 2006, the tourism industry scores only in the middle range regarding the overall use of ICT and e-business. As tourism is an intensive economic sector, there are many chances to apply the Information and Communication Technologies provided by the NEM super-sector to support tourist agents and tourists. Currently, more than 25 institutions are members of the eTourism group launched within the Spanish eNEM technology platform in 2007. Within the following lines, we present several possible approaches for knowledge transfer from the NEM sector to the tourist sector as a whole.

There seems to be a gap between the tourism sector and the stan-

dards and searching tools already implemented for other sectors.

Therefore, existing standards for broadcast and multimedia content management, storage and retrieval should be extended and customized to fulfil the needs of the sector. Moreover, one of the leading challenges of the sector is the management, filter, storage and retrieval of the huge amount of audiovisual contents generated by the tourists.

Multiple approaches have been implemented such as blogs, wikis, mash-ups based on Google Maps and so on. Semantic-based techniques such as folksonomies could be a good approach to support basic interoperability

Finally, the combination of the capabilities of P2P interaction with personalized services and digital TV broadcasting for the transmission of one-to-many generic contents offers vast possibilities for mobile network operators, multimedia service providers and Destination Management Organizations (DMO). One of the main benefits expected from this type of applications is the reuse of contents mainly coming from local and regional broadcasters, changing their business models.



María Teresa Linaza,  
Begoña Beobide  
VICOMTech-IK4



## Audiovisual Market in Granollers (Barcelona)

The 9th Audiovisual MAC event, to be held on 28 and 29 May 2008, will once again provide a singular meeting point for technology and contents. The Audiovisual MAC is the leading fair aimed specifically at technology companies providing services in the mid-range budget audiovisual sector.

The eight events held previously endorse the Audiovisual MAC as the sole event of such characteristics existing within the European sphere, both in terms of capacity for generating business in the technology sector and promotion of the production and exchange of contents.

The most prominent companies from the audiovisual sector have already booked their stand at the fair to show their new products and leading-edge technology in this sector. Similarly, representatives from local television and radio stations from all over Spain regularly visit the fair to find out first-hand what's new and source the best technology for their companies, which are immersed in a far-reaching technological conversion thanks to the implementation of TDT. The technological fair also offers professionals a global view of existing technology and of the real possibilities for sourcing it.

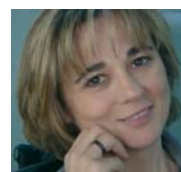
The first day, 28 May, will be devoted to conference sessions analysing current and future technological needs for the regional or local

audiovisual sector. The aim of the day's activities, sponsored by the Spanish Ministry of Industry and the e-NEM platform, is to promote synergies so that alliances emerge between technology companies and television, radio, contents producers, etc., to develop technologies that will allow the audiovisual sector to be ranked in a leading position on an international scale. It is also intended to highlight the importance that R&D grants from the Ministry of Industry, Tourism and Commerce have in the sector's technological development.

Other papers covering Digital Terrestrial Television, technological innovations and local radio and television complete the programme for the two days of the fair. Also worthy of highlight is the awarding of the MAC prizes, with one specifically dedicated to technological innovation: "Audiovisual MAC Technology".

With relation to contents, at the same time there will be pitching sessions created with the aim of encouraging production and innovation, and also the 1st International Exhibition of Local Television will be held.

For more information:  
info@audiovisualmac.com



Mercè Camins  
MAC

## NEM events

1st NEM Summit 2008	13-15 October 2008	Saint Maló, France	<a href="http://www.nem-initiative.org">www.nem-initiative.org</a>
8th NEM SB meeting	17-18 June 2008	Berlin, Germany	
NEM Executive Group meeting,	2, 3 April 2008	Bled, Slovenia	<a href="http://www.fi-bled.eu">www.fi-bled.eu</a>

## Policy events

The 3rd Annual European Spectrum Management Conference	25-26 June 2008	Brussels, Belgium	<a href="http://www.spectrummanagement.eu">www.spectrummanagement.eu</a>
Pre-conference workshop European Spectrum Management Conference	24 June 2008	Brussels, Belgium	<a href="http://www.spectrummanagement.eu">www.spectrummanagement.eu</a>
Technology and Regulation: 14th CEPT Conference	16-17 April 2008	Strasbourg	<a href="http://www.ero.dk/">www.ero.dk/</a>
European perspectives on innovation and policy	16-17 April 2008	Stockholm, Sweden	<a href="http://www.visioneranet.org">www.visioneranet.org</a>
2010 "Information Society on the Crossroads"	13-14 May 2008	Ljubljana, Slovenia	

## Technology events

IST AFRICA 2008, The 3rd Annual Conference	14-16 May 2008	Windhoek, Namibia	<a href="http://www.ist-africa.org/Conference2008/">www.ist-africa.org/Conference2008/</a>
Seminar on mobile multimedia via satellite	14 May 2008	London, UK	<a href="http://www.theiet.org/events/2008/mobile_multimedia_via_satellite.cfm">www.theiet.org/events/2008/mobile_multimedia_via_satellite.cfm</a>
WIAMIS 2008: 9th International Workshop on Image Analysis for Multimedia Interactive Services	7-9 May 2008	Klagenfurt, Austria	<a href="http://www.wiamis2008.org/">http://www.wiamis2008.org/</a>
Transport Research Arena (TRA) 2008	21-25 April 2008	Ljubljana, Slovenia	<a href="http://www.traconference.com">www.traconference.com</a>
The 17th International World Wide Web Conference	21-25 April 2008	Beijing, China	<a href="http://www2008.org/">http://www2008.org/</a>
12th IEEE International Symposium on Consumer Electronics 2008	14-16 April 2008	Algarbe, Portugal	<a href="http://www.isce2008.org/">http://www.isce2008.org/</a>
NAB Show	11-17 April 2008	Las Vegas, Nevada (USA)	<a href="http://www.nabshow.com">www.nabshow.com</a>
MIPTV featuring MILIA 2008	7-11 April 2008	Cannes	<a href="http://www.miptv.com/">http://www.miptv.com/</a>
LA CONFERENCIA LATINOAMERICANA - CTIA WIRELESS 2008	2 April 2008	Las Vegas, Nevada (USA)	<a href="http://www.ahciet.net/agendaevento.aspx?idEvt=185&amp;a=2008">www.ahciet.net/agendaevento.aspx?idEvt=185&amp;a=2008</a>
The Future Of The Internet Perspectives emerging from R&D in Europe	31 March - 2 April 2008	Bled, Slovenia	<a href="http://www.fi-bled.eu/">http://www.fi-bled.eu/</a>
International Conference for Industry and Academia	26-28 March 2008	Zurich (Switzerland)	<a href="http://www.internet-of-things-2008.org">www.internet-of-things-2008.org</a>
DVB WORLD 2008	12-14 March 2008	Budapest, Hungary	<a href="http://www.dvbworld.eu">www.dvbworld.eu</a>
IPTV World Forum 2008	12-14 March 2008	Olympia, London	<a href="http://www.iptv-forum.com/">http://www.iptv-forum.com/</a>
ESTIA Workshop	12 March 2008	Stuttgart, Germany	<a href="http://www.ist-estia.org">http://www.ist-estia.org</a>
2008 Media summit	10-12 March 2008	New York, USA	<a href="http://www.digitalhollywood.com/">http://www.digitalhollywood.com/</a>



**Jean Charles Hourcade**  
**NEM Chairman**  
Executive Vice President & CTO – THOMSON



**Jean-Dominique Meunier**  
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