

6th September 2010

08.00 – 09.00	Registration	
09.00 – 09.30	Opening remarks - General Chair – Dr. Jonathan Rodriguez	
09.30 – 10.30	Keynote talk – Prof. Ahmet Kondoç - <i>Mobile 3D content: from capture to consumption</i>	
10.30 – 11.00	Coffee Break	
11.00 – 12.30	<p>Session 1 - Advanced Techniques for Video Transmission Chair - Prof. Ahmet Kondoç (Univ. Surrey, UK)</p> <ul style="list-style-type: none"> Congestion Resiliency of Data Partitioned H.264/AVC Video over Wireless Networks Ismail Ali (Univ. of Essex, UK), Sandro Moiron (Univ. of Essex, UK / Instituto de Telecomunicações, Portugal), Martin Fleury (Univ. of Essex, UK), Mohammed Ghanbari (Univ. of Essex, UK) Wireless Video Quality Optimization: Unequal Error Protection versus Packet Size Abdul Razzaq (Univ. Paris Descartes, France), Ahmed Mehaoua (Univ. Paris Descartes, France), George Kormentzas (Demokritos, Greece) Performance Evaluation of Secure Video Transmission over WiMAX Networks Christos Politis, Levon Nazaryan (Kingston Univ., UK) Adaptive Bilateral Filtering For Super-Resolution Reconstruction of Video Sequences Gaiame Ginesu, Tiziana Dessi, Luigi Atzori, Daniele Giusto (Univ. of Cagliari, Italy) 	<p>Workshop EERT - 1 Co-Chairs – Prof. Raed Abd-Alhameed (Bradford Univ., UK) Dr. Bashir Gwandu (NCC, Nigeria) Abubakar S. Hussaini (Instituto Telecomunicações, Portugal)</p> <p>Opening from the Chairs</p> <div style="border: 1px solid black; padding: 5px;"> <p>Invited Speakers Professor Yang Hao (Queen Mary University of London, UK) Dr. Bashir Gwandu (NCC, Nigeria)</p> </div> <ul style="list-style-type: none"> Improvements in Multicarrier Modulation Systems using a Wavelet OFDM Scheme Haleh Karkaneh (Amirkabir Univ. of Technology, Iran), Tahereh Sadeghpour, Raed Abd-Alhameed, Mark Child (Bradford Univ., UK), Ayaz Ghorbani (Amirkabir Univ. of Technology, Iran.), W Rasheed (Asra Univ., Jordan.), E Elkhazmi (Higher Institute of Electronics, Libya)
12.30 – 13.30	Lunch	
13.30 – 15.30	<p>Session 2 - Multimedia Distribution Chair – Prof. Luigi Atzori (Univ. Cagliari, Italy)</p> <ul style="list-style-type: none"> Comparison of UMTS and DVB-SH in terms of the quality of the received signal and the cell range Helena Catarino, Pedro Pinho (ISEL, Portugal) Statistical Multiplexing of Transcoded H.264 Streams Sandro Moiron (Univ. of Essex, UK / Instituto de Telecomunicações, Portugal), Rouzbeh Razavi, Martin Fleury, Mohammed Ghanbari (Univ. Essex, UK) Efficient Mobile-to-Mobile Video Communications using a Multicore Transcoder Alberto Corrales-Garcia, Jose Luis Martinez, Gerardo Fernandez-Escribano (Univ. of Castilla-La Mancha, Spain) Context-aware Multimedia Distribution for Multiparty Communications Filipe Pinto (Queen Mary Univ. of London, UK; PTIN, Portugal; Instituto de Telecomunicações, Portugal), António Videira (PTIN, Portugal), Nuno Carapeto (PTIN, Portugal), Manuel Dinis (Inovetel, Angola) GENESISX: New improvements in the deployment and start up of services in NGN architectures Rafael del Hoyo, Diego Romero, Pilar Marín, Miguel Ángel Gracia, Pilar Fernández (Inst. Tecnológico de Aragón, Spain), Ami Eliaz, Diego Besprosvans (Mailvision, Spain), Jesús Alonso López (Alvarion, Spain), Isabel Ordás Arnal (Telefonica I+D, Spain) 	<p>Workshop EERT - 2</p> <ul style="list-style-type: none"> Assessing variability in the wideband mobile radio channel S. Jones (Bradford Univ., UK.), K Samarah (Mutah Univ., Amman, Jordan), Y. Dama, R. Abd-Alhameed (Bradford Univ., UK), W Rasheed, E. Elkhazmi (The Higher Institute of Electronics, Lybia) A Reconfigurable Multi-Standard Radio Platform Antti Immonen, Aarno Pärssinen, Tommi Zetterman (Nokia, Finland), Mikko Talonen, Jussi Ryyänen, Sami Kiminki, Vesa Hirvisalo (Aalto Univ, Finland) An Ultra-Wideband 3-dB Quadrature Hybrid With MultiSection Broadside Stripline Tandem Structure S. Mohammad Hassan Javadzadeh (Sharif Univ. of Technology, Iran), S. Mohammad Saeed Majedi (Ferdowsi Univ., Iran), Forouhar Farzaneh (Sharif Univ. of Technology, Iran) Investigation of Voltage Stability Indices to Identify Weakest Bus (TBC) M. K. Jalboub, H. S. Rajamani, D.T.W. Liang, R. A. Abd-Alhameed, A. M. Ihsal (Bradford Univ., UK)
15.30 – 16.00	Coffee Break	
16.00 – 18.00	<p>Special Session - MOBILIA Chair – Joaquim Bastos (Instituto de Telecomunicações, Portugal)</p> <ul style="list-style-type: none"> Dynamic QoS configuration of IEEE 802.11e - WLANs: an empirical assessment David Gomez, Ramón Agüero, Marta García, Roberto Sanz, Luis Muñoz (Univ. of Cantabria, Spain) Location-based Vertical Handovers for Heterogeneous Wireless Systems Valdemar Monteiro, Jonathan Rodriguez (Instituto de Telecomunicações, Portugal) A Dynamic-Blind Estimation of The λ-MRC Combiner's Weight for a Decode-and-Forward Based Receiver Said El-Khmy (Alexandria University, Egypt), Noha El-Ganainy (Alexandria Institute of Technology, Egypt) Linear Dispersion Codes Selection Using WiMAX over Uncorrelated MIMO Rayleigh Channel I. Gutierrez (Advanced Technology, Standards and Regulation, Samsung Electronics Research Institute -SERI, UK), F. Bader (CTTC, Spain) Capacity Assessment in Distributed MIMO in outdoor environments using deterministic channel modelling Marios Raptopoulos, Stavros Stavrou (Sigint Solutions, Cyprus) Mobility concepts for IMT-Advanced Joaquim Bastos (Instituto de Telecomunicações, Portugal), J. Sainz, M. Cabañas (CREATIV-IT, Spain), S. Stavrou, M. Raptopoulos (Sigint Solutions Ltd, Cyprus), B. Cendón, J. Herrero (TST, Spain), C. Verikoukis, F. Bader (CTTC, Spain), M. Peña, Y. Fernández (TTI, Spain), R. Agüero (Univ. de Cantabria, Spain), J. Rodriguez, V. Monteiro (Instituto de Telecomunicações, Portugal), D. Gomez (Univ. de Cantabria, Spain), M. Santos (Wavocom, Portugal) 	<p>Workshop EERT - 3</p> <ul style="list-style-type: none"> A Frequency Tunable PIFA Design for Handset Applications Issa Elfergani, Raed Abd-Alhameed, M.S. Bin-Melha, Chan See (Univ. of Bradford, UK) Da-Wei Zhou (Pace PLC, UK), Mark Child (Univ. of Bradford, UK) and Peter Excell (Glyndwr University, UK) Explanation of DC/RF Loci for Active Patch Antennas Nazar Ali (Khalifa Univ., United Arab Emirates), A. S. Hussaini (Instituto de Telecomunicações, Portugal), Raed Abd-Alhameed, Neil McEwan, Mark Child (Univ. of Bradford, UK), E. Khazmi (Higher Institute of Electronics, Lybia), Jonathan Rodriguez (Instituto de Telecomunicações, Portugal) Optimum Design of Doherty RFPA for Mobile WiMAX Base Stations A. S. Hussaini (Instituto de Telecomunicações, Portugal), Tahereh Sadeghpour, Raed Abd-Alhameed, Mark Child (Univ. of Bradford, UK), Nazar Ali (Khalifa Univ., United Arab Emirates), Jonathan Rodriguez (Instituto de Telecomunicações, Portugal) <p>Closing</p>

7th September 2010

08.00 – 08.45	Registration	
08.45 – 09.30	Keynote talk – Prof. Rui Aguiar – A mobile view for the Future Internet	
09.30 – 10.15	Keynote talk – Dr. Paulo de Sousa [Head of Sector, Internet of the Future, Directorate-General Information Society, European Commission]	
10.15 – 10.30	Coffee Break	
10.30 – 12.30	<p>Workshop SVCVision - 1 Chair – Michael Ransburg (Klagenfurt University, Austria)</p> <p>Opening from the Chairs</p> <ul style="list-style-type: none"> • Adaptively Optimized Error Protection for H.264 Scalable Video Coding (Full paper) Bin Zhang, Mathias Wien (Institute of Communications Engineering, RWTH Aachen University, Germany) • Impact of Slice Size for SVC Error Resilient Video Coding (Full paper) Mikko Uitto, Janne Vehkaperä (VTT Technical Research Centre of Finland), Peter Amon (Siemens Corporate Technology, Germany) • Distortion-Energy analysis of an OMAP-Based H.264/SVC Decoder (Full paper) Eduardo Juárez, Fernando Pescador, Pedro Lobo, Angel Groba, Cesar Sanz (Grupo de Diseño Electronico y Microelectronico, Univ. Politecnica de Madrid) 	<p>Tutorial</p> <p>Prof. Pascal Lorenz (Univ. of Haute Alsace, France)</p> <p><i>IP-Oriented QoS in the Next Generation Networks: application to wireless networks</i></p>
12.30 – 13.30	Lunch	
13.30 – 16.00	<p>Workshop SVCVision - 2</p> <ul style="list-style-type: none"> • Overview of SVC4QoE project (Position or Project/Overview Paper) Marcus Barkowsky (IRCCYN, France), Médéric Blestel (IETR/INSA, France), Mathieu Carnec (AccepTV, France), Adlen Ksentini (INRIA, France), Patrick Le Callet (IRCCYN, France), Gérard Madec (Telecom Bretagne, France), Raoul Monnier (Grass Valley France), Jean-François Nezan (IETR-INSA Rennes, France), Romuald Pepion, Yohann Pitrey (IRCCYN, France), Jean-François Travers (TDF, France), Mickaël Raulet (IETR-INSA Rennes, France), Alain Untersee (Teamcast, France) • Scalable Video Coding Impact on Networks (Position or Project/Overview Paper) Michael Ransburg (Klagenfurt University, Austria), Eduardo Martinez (Univ. of Murcia, Spain), Tiia Sutinen (VTT Technical Research Centre of Finland), Jordi Ortiz (Univ. of Murcia, Spain), Michael Sablatschan, Hermann Hellwagner (Klagenfurt University, Austria) • Efficient SVC-to-AVC Conversion at a Media Aware Network Element (Demo Paper) Michael Sablatschan (Klagenfurt University, Austria), Jordi Ortiz (Univ. of Murcia, Spain), Michael Ransburg, Hermann Hellwagner (Klagenfurt University, Austria) • Multi-interface streaming of scalable video (Demo Paper) Tiia Sutinen, Jouni Knuutinen, Markus Luoto (VTT, Finland) • Sending the Right Signals: How to Deal With the Lack of Signaling With RTP/RTCP for H.264 SVC (Position or Project/Overview Paper) Henrik Lundin, Patrik Westin (Global IP Solutions, Sweden) 	<p>Session 3 - Modelling of wireless systems Chair – Prof. Tasos Dagiuklas (Univ. of Patras, Greece)</p> <ul style="list-style-type: none"> • Modelization of Temporal Mechanisms for Sensors Networks Pascal Lorenz, Marc Gilg (Univ. of Haute Alsace, France), Joel Rodrigues (Univ. of Beira Interior, Portugal) • Using M/G/1/N Queueing Model and Hold Made for Cross-layer Approach to Transmit Data in Bluetooth-based Body Area Networks Jiangchuan Wen, John Nelson (Univ. of Limerick, Ireland) • Bridging the Devices with the Web Cloud: A Restful Management Architecture over XMPP Miguel Almeida (Nokia Siemens Networks, Portugal), Alfredo Matos (Instituto de Telecomunicações, Portugal) • E2DSR: Preliminary Implementation Results and Performance Evaluation of an Energy Efficient Routing Protocol for Wireless Ad Hoc networks Vahid Talooki, Hugo Marques, Jonathan Rodriguez (Instituto de Telecomunicações, Portugal), Hugo Águas, Nelson Branco, Luís Campos (PDM&FC, Portugal) • On the impact of MIH triggering techniques on the performance of Video Streaming across Heterogeneous RATs Lampros Dounis, Michail Tsagaropoulos, Ilias Politis, Tasos Dagiuklas (Univ. of Patras, Greece)
16.00 – 16.30	Coffee Break	
16.30 – 18.00	<p>Workshop SVCVision - 3</p> <ul style="list-style-type: none"> • Fast H.264/AVC-to-SVC Transcoding in a Mobile Television Environment (Full paper) Glenn Van Wallendael, Sebastiaan Van Leuven (Ghent University - IBBT - Multimedia Lab, Belgium), Rosario Garrido-Cantos (University of Castilla-La Mancha - Albacete Research Institute of Informatics, Spain), Jan De Cock (Ghent University - IBBT - Multimedia Lab, Belgium), Jose Martinez (University of Castilla-La Mancha - Albacete Research Institute of Informatics, Spain), Peter Lambert (Ghent University - IBBT - Multimedia Lab, Belgium), Pedro Cuenca (University of Castilla-La Mancha - Albacete Research Institute of Informatics, Spain), Rik Van de Walle (Ghent University - IBBT - Multimedia Lab, Belgium) • Analysis of H.264/AVC Scalable Video Coding for Video Delivery to Heterogeneous Terminals (Full paper) Thomas Rusert, Rickard Sjöberg, Clinton Priddle (Ericsson AB, Sweden) • Simulation Platform for Fast Video Quality Evaluation of H.264/AVC and SVC Transmission on Error Prone Channels (Full paper) Robert Skupin, Cornelius Hellge, Karsten Grüneberg, Thomas Schierl, Thomas Wiegand (Fraunhofer HHI, Germany) 	<p>Special Session - MIH Chair – Hugo Marques (Instituto Politécnico de Castelo Branco / Inst. De Telecomunicações, Portugal)</p> <ul style="list-style-type: none"> • Heterogeneous Mobility in Next Generation Devices: An Android-based Case Study Ricardo Silva, Paulo Carvalho, Pedro Sousa (Univ. of Minho, Department of Informatics), Pedro Neves (Portugal Telecom Inovação, Aveiro, Portugal) • Seamless Handover: The Hurricane Media Independent Handover (MIH) Complete Reference Implementation Luís Miguel Campos, Paulo Pires, Luís Teixeira (PDM&FC, Portugal), • Developing Tools for Parsing ns-2 Results: IEEE802.21 Case Scenario Hugo Marques (Instituto Politécnico de Castelo Branco/Inst. Telecomunicações, Portugal), José Ribeiro, Paulo Marques, Jonathan Rodriguez (Instituto de Telecomunicações, Portugal) • Architectures & Tools Enabling Seamless Mobility in Future Collaborative Networks Nikos Dimitriou (NCSR “Demokritos”, Greece), Ioannis Anagnostopoulos (Univ. of Aegean, Greece), Lambros Sarakis (NCSR “Demokritos”, Greece), Charalambos Skianis (Univ. of Aegean, Greece), Luis Miguel Campos, Jorge Miranda, Luiz Santos, Nuno Correia (PDM&FC, Portugal), Maria Joana Torres (Univ. do Minho, Portugal)
18.00 – 18.45	<p>Panel Session – Chaired by Dr. Christos Politis Dr. Paulo de Sousa, Prof. Rahim Tafazolli, Prof. Rui Aguiar, Prof. Pascal Lorenz, Dr. Bashir Gwandu</p>	
	Social Event	

8th September 2010

08.00 – 09.00	Registration	
09.00 – 10.00	Keynote talk – Prof. Rahim Tafazolli – Green Radio	
10.00 – 10.30	Coffee Break	
10.30 – 11.30	Keynote talk – Mr. Jesus Bernart Vercher- <i>Internet of Things: A main driver for a true Green IT?</i>	
11.30 – 12.30	Tutorial – Paulo Marques - <i>Cognitive radios in TV white spaces: a great opportunity for mobile multimedia communications</i>	
12.30 - 13.30	Lunch	
13.30 – 15.30	<p>Workshop C2POWER - 1</p> <p>Co-Chairs – Dr. Kandeepan Sithamparanathan (CREATE-NET, Italy) Prof. Lajos Hanzo (University of Southampton, UK) Dr. Klaus Moessner (University of Surrey, UK) Dr. Radoslaw Piesiewicz (WCB-EIT+, Poland)</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Invited Speaker: Prof. Sam Samuel, Executive Director of Bell Labs Ireland and UK</p> <p>Talk: <i>Green House Gases, ICT, and the Green Touch Initiative</i></p> </div> <ul style="list-style-type: none"> • C2POWER Approach for Power-Saving in Multi-standard Wireless Devices Ayman Radwan (Instituto de Telecomunicações), Jonathan Rodriguez (Instituto de Telecomunicações), Álvaro Gomes (Portugal Telecom Inovação SA), Eduardo Sá (Portugal Telecom Inovação SA) • A Context Awareness Architecture for Energy Efficient Cognitive Radio Qiwei Zhang (CCSR, Univ. of Surrey, UK), Klaus Moessner (CCSR, Univ. of Surrey, UK) • Decode-and-forward Cooperative Communications: Performance Analysis with Power Constraints in Presence of Timing Error Tofazzal Hossain (National ICT Australia, and Australian National Univ., Australia), Kandeepan Sithamparanathan (CREATE-NET, Italy), David Smith (National ICT Australia, Australia) 	<p>Session 4 - Cellular Networks</p> <p>Chair – Dr. Christos Politis (Kingston Univ., UK)</p> <ul style="list-style-type: none"> • A Joint Time and Frequency Domains Utility-Based Packet Scheduler for Mobile WiMAX Network Alberto Nascimento (Instituto de Telecomunicações / Univ. Madeira, Portugal) Jonathan Rodriguez (Instituto de Telecomunicações, Portugal) • Fixed-mobile convergence: Using unlicensed DECT frequencies in UMTS femtocell services deployment Virginia Pilloni, Luigi Atzori (Univ. of Cagliari, Italy) • Use of negative information in positioning algorithms Michele Albano, Senka Hadzic, Jonathan Rodriguez (Instituto de Telecomunicações, Portugal) • Adaptive Power Control Policy Using Effective Capacity in Spectrum Sharing Area Mahdi Pirmoradian, Christos Politis (Kingston Univ., UK) • Relay vs. Repeater Architectures in WiMAX Iraklis Georgas, Ioannis Petropoulos, Konstantinos Voudouris, Panagiotis Tsiakas, Nikos Athanasopoulos (Technological Educational Institution of Athens, Greece), Mikael Cohen, Baruch Cyzs (Ubiqam Ltd, Israel), George Agapiou, Andreas Rigas (Hellenic Telecommunications Organization –OTE-Greece).
15.30 – 16.00	Coffee Break	
16.00 – 18.00	<p>Workshop C2POWER - 2</p> <ul style="list-style-type: none"> • Context Parameter Prediction to Prolong Mobile Terminal Battery Life Muhammad Alam, Ayman Radwan, Michele Albano, Jonathan Rodriguez (Instituto de Telecomunicações, Portugal) • Energy Efficient Trade-off between Communication and Sensing in Wireless Gas Sensor Node Andrey Somov (CREATE-NET, Italy), Mikhail Ivanov, Alexander Baranov, Alexey Savkin Savkin (Moscow State Aviation Technological Univ., Russia), Kandeepan Sithamparanathan (CREATE-NET, Italy) • Power Saving in Multi-User Adaptive Modulation Transmission with Quantized Feedback Saud Althunibat, Nizar Zorba (Univ. of Jordan, Jordan), Hans-Peter Loeb (Lantiq GmbH, Germany), Christos Verikoukis (CTTC, Spain) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Panel Session: Title: <i>Energy Efficient Wireless Systems: Feasibility and Economic Aspects</i></p> <p>Panelist-1: Prof. Sudharman Jayaweera (University of New Mexico, USA) Panelist-2: Prof. Rahim Tafazolli (University of Surrey, UK) Panelist-3: Prof. Sam Samuel (Alcatel Lucent)</p> </div>	<p>Special Session - PEACE</p> <p>Chair – Fernando Lopez Aguilar (Telefónica I+D, Spain)</p> <ul style="list-style-type: none"> • Analysis of the Hidden and Exposed Terminal Effects in Wireless Networks with Cooperative ARQ Jesus Alonso-Zarate (CTTC, Spain) Luis Alonso (Univ. Politecnica de Catalunya, Greece), George Korkmentzas (Univ. of the Aegean, Greece), Christos Verikoukis (CTTC, Spain) • Robust Video Calls for Emergency Services over IP based Networks Berend Kuipers, Ricardo Vaz, Mario Nunes (INESC-ID, Portugal) • Energy efficient and Scalable Routing Protocol for Extreme Emergency Ad Hoc Communications Arvind Ramrekha (Kingston Univ., UK), Vahid Talooki (Instituto de Telecomunicações, Portugal), Christos Politis (Kingston Univ., UK), Jonathan Rodriguez (Instituto de Telecomunicações, Portugal) • A-GPS Performance in Urban Areas José Manuel Lopez, Fernando Aguilar, Juan Javier Cabanas (Telefonica I+D, Spain) • Analysis of Cross-Layer Interactions for VoIP Services over Ad-Hoc Networks Tasos Dagiuklas (TEI of Mesolonghi, Greece), Panagiotis Galiotis, Stavros Kotsopoulos (University of Patras, Greece)
18.00 - 18.30	Closing Session	