

**Final Programme**  
 NGMAST 2008 Co-located Event  
 1st IEEE International Workshop on  
**FUTURE MULTIMEDIA NETWORKING (IEEE FMN'08)**

Wednesday 17 September 2008	
9:10-10:00	<b>Keynote Talk 1</b> <u>Mobile Computing 2015 – Law of Large Numbers</u> Dr. Henry Tirri VP, Head of System Research, Nokia Research Centre
10:00 - 10:30	Coffee Break
10:30 - 12:30	<b>Session 1: Multimedia in wired and/or wireless networks</b> <b>Chair: Eduardo Cerqueira, University of Coimbra</b>  <b>User Centric Media of the Future Internet (invited paper)</b> <i>Janko Calic; Petros Daras; Nick Achilleopoulos; Marianna Panebarco; Oscar Mayora; Peter Stollenmayer; Doug Williams; Tim Pennick; Nadia Magnenat- Thalmann; Carmen Guerrero; Michiel Pelt; Tim McGrath; Eugenia Fuenmayor; Nikolaos Papaoulakis; Federico Alvarez; Elias Kalapanidas; Alex Shani; Jean-Yves Le Moine</i>  <b>DVC Based Stereoscopic Video Transmission in a Mobile Communication System</b> <i>Anil Fernando (Centre for Communications Research, University of Surrey, UK)</i>  <b>Enhancing the Serviceability and the Availability of IMS-Based Multimedia Services: Avoiding Core Service Failure</b> <i>Mohamed Boucadair (France Telecom R&amp;D, FR); Pierrick Morand (France Telecom, FR); Isabel Borges (Portugal Telecom, PT); Marco Tomsu (Bell Labs Alcatel Lucent, DE)</i>  <b>Influence of Routing Protocol on VoIP Quality Performance in Wireless Mesh Network Simulation</b> <i>Arlen Nascimento (Federal University of Amazonas, BR); Saulo Queiroz (Federal University of Amazonas, BR); Edjair Mota (Federal University of Amazonas, BR)</i>  <b>Towards Seamless Handovers in SSM Source Mobility - An Evaluation of the Tree Morphing Protocol</b> <i>Olaf Christ (HAW Hamburg, DE); Thomas Schmidt (HAW Hamburg, DE); Matthias Wählisch (HAW Hamburg &amp; link-lab, DE)</i>
12:30 - 14:00	Lunch in the main Foyer (Exhibition)
14:00 - 14:50	<b>Keynote Talk 3</b> <u>Challenges in Content Networking</u> Dr. Andreas Mauthe Lancaster University, UK
14:50 - 15:20	Coffee Break
15:20 - 17:30	<b>Session 2: Quality of service management in multimedia networks</b> <b>Chair: Augusto Neto, Institute of Telecommunications - Aveiro</b>  <b>Wireless Multicast Cross-Layer Framework for Rate Allocation: Protocol Design</b> <i>Amr Mohamed (Univ. British Columbia, CA); Hussein Alnuweiri (Texas A&amp;M University, Qatar, QA)</i>  <b>Cross-Layer Joint Optimization of FEC Channel Codes and Multiple Description Coding for Video Delivery over IEEE 802.11e Links</b>

	<p><i>Simone Milani (University of Padova, IT); Giancarlo Calvagno (University of Padova, IT); Riccardo Bernardini (University of Udine, IT); Pamela Zontone (University of Udine, IT)</i></p> <p><b>Cost Efficient Media Streaming Algorithms for Rate-dependent Pricing Strategies in Heterogeneous Wireless Networks</b> <i>Ahmed Zahran (University College Cork, IE); Cormac Sreenan (University College Cork, IE)</i></p> <p><b>Application-level QoS: Improving Video Conferencing Quality through Sending the Best Packet Next</b> <i>Ian McDonald (University of Waikato, NZ); Richard Nelson (University of Waikato, NZ)</i></p>
<b>Thursday 18 September 2008</b>	
9:10-10:00	<p><b>Keynote Talk 2</b></p> <p><a href="#"><u>Convergence of Man and Machine Processes in the Emerging Internet</u></a></p> <p>Professor Imrich Chlamtac</p> <p>President of CREATE-NET, Honorary Bruno Kessler Professor at the University of Trento, Italy</p>
10:00 - 10:30	Coffee Break
10:30 - 12:30	<p><b>Session 3: Quality of experience management in multimedia networks</b> <b>Chair: Mikolaj Leszczuk AGH University of Science and Technology, Department of Telecommunication</b></p> <p><b>Quality of Experience Evaluation for Multimedia</b> <i>Michal Grega; Lucjan Janowski; Mikolaj Leszczuk; Piotr Romaniak; Zdzislaw Papir (AGH University of Science and Technology, Department of Telecommunication, PL)</i></p> <p><b>On the Quality of Experience of SopCast</b> <i>Benny Fallica (Delft University of Technology, NL); Yue Lu (Technology University of Delft, NL); Fernando Kuipers (Delft University of Technology, NL); Robert Kooij (TNO ICT, NL); Piet Van Mieghem (Delft University of Technology, NL)</i></p> <p><b>Multi-component Teleservice Model for Multimedia Applications</b> <i>Omar Alani (University of Leeds, UK); Rashid Mehmood (Swansea University, UK)</i></p> <p><b>Fast Frame-Based Scene Change Detection in the Compressed Domain for MPEG-4 Video</b> <i>Jens Brandt (Technische Universität Braunschweig, DE); Jens Trotzky (TU Braunschweig, IBR, DE); Lars Wolf (Technische Universität Braunschweig, DE)</i></p> <p><b>A Utility-based QoS Model for Emerging Multimedia Applications</b> <i>Mu Mu (Lancaster University, UK); Andreas Mauthe (Lancaster University, UK); Francisco Garcia (Agilent, UK)</i></p>
12:30 - 14:00	Lunch in the Zen Room (4 <sup>th</sup> Floor)
14:00 - 16:00	<p><b>Session 4: Multimedia in peer-to-peer networks</b> <b>Chair: Andreas Mauthe, Lancaster University</b></p> <p><b>Data Availability in P2P Streaming Systems</b> <i>Husam Alustwani (University of Franche-Comté, FR); Jacques Bahi (University of Franche-Comté, FR); Ahmed Mostefaoui (University of Franche-Comté, FR)</i></p> <p><b>Continuous Scheduling for Data-Driven Peer-to-Peer Streaming</b> <i>Jyrki Akkanen (Nokia Research Center, FI)</i></p> <p><b>Enabling Global Multimedia Distributed Services based on Hierarchical DHT Overlay Networks</b></p>

	<p><i>Isaias Martinez-Yelmo (University Carlos III of Madrid, ES); Alex Bikfalvi (IMDEA Networks, ES); Carmen Guerrero (Universidad Carlos III Madrid, ES); Rubén Cuevas Rumin (Universidad Carlos III de Madrid, ES); Andreas Mauthe (Lancaster University, UK)</i></p> <p><b>Playback delay in mesh-based peer-to-peer systems with random packet forwarding</b></p> <p><i>Viktoria Fodor (KTH, SE); Ilias Chatzidrossos (KTH, Royal Institute of Technology, SE)</i></p> <p><b>A Case for Hybrid Content Distribution for Interactive Video-on-Demand</b></p> <p><i>Andrew MacQuire (Lancaster University, UK); Andrew Brampton (Lancaster University, UK); Michael Fry (The University of Sydney, AU); Nicholas Race (Lancaster University, UK); Laurent Mathy (Lancaster University, UK)</i></p>
16:00 - 16:30	Coffee Break
16:30 - 17:30	<p><b>Expert Panel</b></p> <p>Service Platforms: From the Killer Application to the Killer Environment</p> <p>with <i>George Kontopidis</i> (NMS Communications, USA ),  <i>Luis A. Galindo</i> (Telefonica, ES) and <i>Andreas Mauthe</i> (Lancaster University, UK)</p>
19:30 - 23:00	Gala Dinner – Welsh Banquet – Cardiff Castle