

Proposal for a new ITV working group, within the IFIP – TC14 on Entertainment Computing

IFIP-WG14.6 “Interactive TeleVision” (ITV)

Chair: Lyn Pemberton

Vice-chair: Konstantinos Chorianopoulos

Members (Tentative List):

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The wide availability of broadband networks and the diffusion of powerful multimedia computing in ubiquitous devices (e.g. mobile multimedia phones, home media stations, digital video recorders) have allowed interactive control of audiovisual content by the TV producer and by the end-user. To promote ITV research and development, and to enhance the use of ITV in the home and on the move, the technical committee will pursue the following activities:

Aims

- To promote visibility and to increase the impact of research and development in the ITV field
- To bring together interdisciplinary approaches to ITV research and development issues (e.g. content production, computer science, media studies)
- To encourage cooperation between researchers and other established bodies and organizations, through the development of joint project proposals
- To facilitate the development of suitable academic and practical teaching programs

Scope

- Alternative content distribution (mobile TV, peer-to-peer TV, IPTV)
- Interactive storytelling, user contributed content
- Interactive and personalized advertising systems
- Applications for t-commerce, t-learning, t-health, entertainment
- Ethical, regulatory and policy issues
- Interoperability of middleware, standards, multimedia metadata
- Authoring, production and virtual reality systems
- Content management, digital rights management
- Multimedia, graphics, broadcast and video technology
- Content enriched communication services, video conferencing
- Personalization, user modeling, intelligent user interfaces
- Usability, accessibility, universal access, multimodal interaction

Dr Lyn Pemberton has over fifteen years' experience of researching and teaching in human computer interaction and multimedia design. As a Principal Lecturer in the Faculty of Management and Information Sciences at the University of Brighton, she has carried out requirements analysis, interaction design and evaluation activities on a range of UK and European projects. She is currently involved in research into cross-platform delivery of educational multimedia, particularly in interactive TV and mobile environments. The University of Brighton founded the EuroITV Conference series and runs the MSc in Digital Television Management and Production and is a active centre of research into interactive television.

Dr Konstantinos Chorianopoulos holds an MEng (Electronics and Computer Engineering, 1999) an MSc. (Marketing and Communication, 2001), and a Ph.D. (Human-Computer Interaction, 2004). Since 1997, he has been a member of four academic research labs (Greece, UK, Germany), which specialize in the areas of multimedia, e-commerce, intelligent systems and interaction design. He has participated in many EU research projects in the field of human-computer interaction for information, communication and entertainment applications in TV, mobile, and ubiquitous appliances. In 2002, he founded UITV.INFO, which is a newsletter and web portal for interactive television research resources (papers, theses), news and events. In 2006, he was program chair of the 4th European Interactive TV conference and he was awarded a Marie Curie post-doc fellowship for research in ambient intelligence, at the department of Architecture, Bauhaus University of Weimar.