

TC14: Entertainment Computing
Report to Council and Technical Assembly
London, UK, February 28 - March 3, 2007

Ryohei Nakatsu, TC14 Chair

Part 1: Council (London, UK)

TC14 Entertainment Computing

[<http://www.org.id.tue.nl/IFIP-TC14/>]

1. TC14 meetings held since last report

First TC14 meeting took place during ICEC2006 (International Conference on Entertainment Computing) on Sept. 22, 2006, in Cambridge, UK. Below are the list of the participants and the agenda.

TC officers:

Ryohei Nakatsu (Prof., Kwansai Gakuin University, Chair)
Matthias Rauterberg (Prof., Technical University of Eindhoven, Vice-chair)

National Representatives:

China	Lizhuang Ma (Prof., proxy for Prof. Z. Pan)
Czech	David Obdrzalek (Prof., Charles University)
Italy	Paolo Ciancarini (Prof., University of Bologna)
Japan	Ryohei Nakatsu (Prof., Kwansai Gakuin University)
Korea	Woontack Woo (Dr., proxy for Prof. H.S. Yang)
Netherlands	Matthias Rauterberg (Prof., Eindhoven University of Technology)
Singapore	Adrian David Cheok (Prof., National University of Singapore)
Spain	Pedro Gonzalez-Calero (Prof., Complutense University of Madrid)
United Kingdom	Mark Cavazza (Prof., University of Teesside)
US-ACM	Charles Palmer (Dr., proxy for Prof. Don Marinelli)

WG chairs:

WG16.1 chair:	Marc Cavazza (Prof., University of Teesside)
WG16.2 chair:	Ryohei Nakatsu (proxy for Prof. Hitoshi Matsubara)
WG16.3 chair:	Matthias Rauterberg (Prof., Technical University of Technology)
WG16.4 chair:	Jos Uiterwijk (Dr., proxy for Prof. Jaap van den Herik)
WG16.5 chair:	Andy Sloane (Prof., University of Wolverhampton, UK)

Observers and guests:

Claudio Pinhanez (Dr. IBM, proposed industrial liaison)
Lyn Pemberton (Dr., UK, proposed chair of new WG14.6)
Naoko Tosa (Prof., Kyoto University, proposed chair of new WG14.7)
Marco Combetto (Microsoft Research, ICEC2006 chair)
Lizhuan Ma (Prof., China, ICEC2007 chair)

Melissa Fearon (Springer Publ.)
Andre Melzer (member WG14.4)
Toshinori Kondo (guest)

Agenda:

Report of IFIP General Assembly
Upgrade of SG to TC
Election of TC14 officers
Report of WG activities
ICEC2007
Proposals of new WGs

2. TC14 meetings scheduled until next IFIP GA meeting

The next TC14 meeting will be held at the time of ACE2007 (International Conference on Advances in Computer Entertainment Technology) that will be held on June 15-17, 2007 in Salzburg, Austria.

3. Changes in membership and officers

There have been several changes since the last report to the General Assembly in August 2006.

3.1 TC14 officers

As TC14 was upgraded from SG16 (Specialist Group on Entertainment Computing) at the IFIP General Assembly on Aug. 26-28, 2007, the new officers of the TC were elected at the first TC14 meeting held on Sept. 22, 2006 at Cambridge, UK. As the TC chair was appointed by the IFIP president at the IFIP GA, we have carried out the elections for a vice chair and a secretary. For a vice chair, Matthias Rauterberg of Technical University of Eindhoven, the Netherlands was elected and for a secretary, Ben Salem of Kwansei Gakuin University, Japan was elected. At the same time, to strengthen the relationship with industry we have agreed to set a new position called 'Industrial Liaison.' As a first industrial liaison, we have elected Claudio Pinhanez of IBM, US.

3.2 TC members

The present TC members are shown below

TC officers

Chair	Ryohei Nakatsu (Prof., Kwansei Gakuin University)
Vice-chair	Matthias Rauterberg (Prof., Technical University of Eindhoven)
Secretary	Ben Salem (Dr., Kwansei Gakuin Univeristy)
Industrial liaison	Claudio Pinhanez (Dr., IBM)

National Representative

1 Austria	Peter Purgathofer (Prof., Vienna University of Technology)
2 Bulgaria	Galia Angelova (Prof., Burgalian Academy of Sciences)

3	Canada	Sidney Fels (Prof., University of British Columbia)
4	China	Zhigeng Pan (Prof., Zhejiang University)
5	Czech	David Obdrzalek (Prof., Charles University)
6	Finland	Ville-Veikko Mattila (Dr., Nokia Research Center)
7	France	Bruno Araldi (Dr., INRIA)
8	Hungary	Barnabas Takacs (Dr., Hungarian Academy of Sciences)
9	Ireland	Richard Reilly (Dr., University College of Dublin)
10	Italy	Paolo Ciancarini (Prof., University of Bologna)
11	Japan	Ryohei Nakatsu (Prof., Kwansei Gakuin University)
12	Korea	Hyun S. Yang (Prof., KAIST)
13	Netherlands	Matthias Rauterberg (Prof., Technical University of Eindhoven)
14	Norway	Geir Egil Myhre (Dr., University of Troms)
15	Portugal	Nuno Correia (Prof., New University of Lisbon)
16	Singapore	Adrian David Cheok (Prof., National University of Singapore)
17	Spain	Pedro Gonzalez Calero (Prof., Complutense University of Madrid)
18	Thailand	Natanicha Chorpothong (Dr., Assumption University)
19	United Kingdom	Marc Cavazza (Prof., University of Teesside)
20	USA-ACM	Donald Marinelli (Prof., Carnegie Mellon University)
21	USA-IEEE	Nahum Gershon (Dr, MITRE Corp.)
22	Zambia	Milner Makuni (Mr., Afriswitch PVT Limited)

WG Officers

WG14.1 chair:	Marc Cavazza (Prof., University of Teesside)
WG14.2 chair:	Hitoshi Matsubara (Prof. Hakodate Future University)
WG14.3 chair:	Matthias Rauterberg (Prof., Technical University of Eindhoven)
WG14.4 chair:	Jaap van den Herik (Prof., University of Maastricht, Netherlands)
WG14.5 chair:	Andy Sloane (Prof., University of Wolverhampton)

Observers

European Commission Liaison:	Leonie Schaeffer
IEEE Computer Science:	Miguel Encarnacao
DiGRA:	Tony Manninen

Honory Members

Japan: Takehiko Kamae (Dr., National Institute of Technology)

4. TC14 conferences held since last report

4.1 Sponsored events

4.1.1 ICEC2006

International Conference on Entertainment Computing
 September 20-22, 2006
 Cambridge, UK
 General chair: Richard Harper (Dr., Microsoft Research, UK)

4.2 Co-sponsored events

4.2.1 DIMEA 2006

Joint International Conference on Cyber Games and Interactive Entertainment

December 4-6, 2006

Perth, Australia

General chairs: Kevin Wong (Australia)
Lance Fung (Australia)
Peter Cole (Australia)

4.2.1 DeSForM

Design and Semantics of Form and Movement

October 26-27, 2006

Eindhoven, The Netherlands

General chairs: Loe Feijs(The Netherlands)

5. TC14 conferences to be held

5.1 ICEC2007

ICEC2007 will be held in Shanghai, China on September 15-17, 2007. Below is the list of the major organizing committee members.

General Conference Chair:

Ryohei Nakatsu (Kwansei Gakuin University, Japan)

Harry Shum (Microsoft Research Asia, China)

Matthias Rauterberg (TU Eindhoven, The Netherlands)

International Steering Committee:

Andy Sloane (University of Wolverhampton , UK)

Bill Swartout (University of Southern California , USA)

Don Marinelli (Carnegie Mellon University, USA)

Lizhuang Ma (Shanghai Jiao Tong University, China)

Marc Cavazza (University of Teesside, UK)

Matthias Rauterberg (Technical University of Eindhoven, The Netherlands)

Peter Robinson (University of Cambridge, UK)

Ryohei Nakatsu (Kwansei Gakuin University, Japan)

Stephane Natkin (CNAM, France)

Tak Kamae (National Institute of Technology, Japan)

Program Chair:

Lizhuang Ma (Shanghai Jiao Tong University, China)

Rynson W. H. Lau (Durham University, UK)

Zhigeng Pan (Zhejiang University, China)

Organizing Chair:

Lizhuang Ma (Shanghai Jiao Tong University, China)

5.2 Co-sponsored Events

5.2.1 Edutainment 2007

The 2nd International Conference on E-Learning and Games

June 11-13, 2007

Hong Kong, China

General conference chairs: Kin-Chuen Hui (The Chinese University of Hong Kong, China)

Zhigeng Pan (Zhejiang University, China)
Ruth Aylett (Herriot-Watt University, UK)

6. Other TC14 activities

6.1 Publications

The proceedings of ICEC2006 are published from Springer as one of the LNCS series. TC14 and Springer are negotiating about a new journal “IFIP Transactions on Entertainment Computing” as part of the IFIP Series.

Working Groups

1. WG14.1 Digital Storytelling

Chair: Marc Cavazza (UK)

(a) Meetings

WG14.1 meeting was held in Cambridge, UK on September 20-22, 2006 during ICEC2006. Next WG14.1 meeting will be held in Salzburg, Austria on June 15-17, 2007 during ACE2007.

(b) Members

Stephane Natkin (FR), Ana Paiva (PT), Michael Young (US)

2. WG14.2 Entertainment Robot

Chair: Hitoshi Matsubara (Japan)

(a) Meetings

WG14.2 meeting was held in Cambridge, UK on September 20-22, 2006 during ICEC2006. Next WG14.2 meeting will be held in Shanghai September 15-17, 2007 during ICEC2007.

(b) Events

Exhibition: RoboCup 2006

Place: Bremen, Germany

Time: June 14-20, 2006

<http://www.robocup2006.org/>

3. WG14.3 Theoretical Basis of Entertainment

Chair: Matthias Rauterberg (Netherlands)

(a) Meetings

WG14.3 meeting was held in Cambridge, UK on September 20-22, 2006 during ICEC2006. Next WG14.3 meeting will be held in Shanghai September 15-17, 2007 during ICEC2007.

(b) Members

Matteo Bittanti (ITALY), Johanna Blakley (USA), Brad Bushman (USA), Suely Fragoso (BRAZIL), Jeanne B. Funk (USA), Susan Gold (USA), Haruhiro Katayose (JAPAN), Fátima Lasay (PHILIPPINE), Noriko Nagata (JAPAN), Bary W. Pollack (USA), Matthias Rauterberg (NETHERLANDS), Bill Swartout (USA), Peter Vorderer (USA/GERMANY)
Observers: Jason Della Rocca (CANADA), Jeffrey Goldstein (NETHERLANDS)

(c) website

<http://www.org.id.tue.nl/IFIP-WG14.3/>

4. WG14.4 Games and Entertainment Computing

Chair: Jaap van den Herik (Netherlands)

(a) Meetings

WG14.4 meeting was held in Cambridge, UK on September 20-22, 2006 during ICEC2006.
Next WG14.4 meeting will be held in Salzburg, Austria on June 15-17, 2007 during ACE2007.

(c) website

<http://www.cs.unimaas.nl/IFIP-WG14.4/>

5. WG14.5 Social and Ethical Issues in Entertainment Computing

Chair: Andy Sloane (UK)

(a) Meetings

WG14.5 meeting was held in Cambridge, UK on September 20-22, 2006 during ICEC2006.
Next WG14.5 meeting will be held in Shanghai September 15-17, 2007 during ICEC2007.

(b) Members

Claire Dormann (CA), Porfirio Barroso Asenjo (ES), Lynne Baillie (GB), Christopher Zielinski (GB), Suzana Stojakovic-Celustka (HR), Ryohei Nakatsu (JP), Brad Bushman (US), Jeanne Funk (US)

6. New Working Groups

At the last TC14 meeting in Cambridge, UK, the establishment of the following two working groups was proposed and was approved among TC14 members.

WG14.6 Interactive TV

Chair: Lyn Pemberton (Dr., University of Brighton, UK)

WG14.7 Art and Entertainment

Chair: Naoko Tosa (Prof., Kyoto University, Japan)

The proposals for these working groups including their aims and scopes are shown in Appendix 1 and Appendix 2 respectively.

Part 2: Technical Assembly 2007 (London, UK)**TC14 Members (2007)**

Chairman	
Japan	Ryohei Nakatsu
Vice-Chair	
Netherlands	Matthias Rauterberg
Secretary	
Netherlands	Benjamin Salem
Industrial Liaison	
USA	Claudio Pinhanez

National Representatives

Austria	Peter Purgathofer (Prof., Vienna University of Technology)
Bulgaria	Galia Angelova (Prof., Burgalian Academy of Sciences)
Canada	Sidney Fels (Prof., University of British Columbia)
China	Zhigeng Pan (Prof., Zhejiang University)
Czech	David Obdrzalek (Prof., Charles University)
Denmark	(to be nominated)
Finland	Ville-Veikko Mattila (Dr., Nokia Research Center)
France	Bruno Araldi (Dr., INRIA)
Germany	(to be nominated)
Hungary	Barnabas Takaacs (Dr., Hungarian Academy of Sciences)
Ireland	Richard Reilly (Dr., University College of Dublin)
Italy	Paolo Ciancarini (Prof., University of Bologna)
Japan	Ryohei Nakatsu (Prof., Kwansei Gakuin University)
Korea	Hyun S. Yang (Prof., KAIST)
Netherlands	Matthias Rauterberg (Prof., Technical University of Eindhoven)
Norway	Geir Egil Myhr (Dr., University of Troms)
Portugal	Nuno Correia (Prof., New University of Lisbon)
Singapore	Adrian David Cheok (Prof., National University of Singapore)
Spain	Pedro Gonzalez Calero (Prof., Complutense University of Madrid)
Thailand	Natanicha Chorphothong (Dr., Internet Association)
United Kingdom	Marc Cavazza (Prof., University of Teesside)
USA-ACM	Donald Marinelli (Prof., Carnegie Mellon University)
USA-IEEE	Nahum Gershon (Dr., MITRE)
Zimbabwe	Miler Makuni (Mr., Afriswitch PVT Limited)

WG16.x Chair persons

WG16.1	Marc Cavazza
WG16.2	Hitoshi Matsubara
WG16.3	Matthias Rauterberg
WG16.4	Jaap van den Herik
WG16.5	Andy Sloane

TC14 Meetings: Attendance

Nation	Year	02	03/1	03/2	04/1	05/1	06/1	06/2	Total
Austria					-	-	-	a	0
Bulgaria					a	a	a	a	0
Canada		-	-	-	a	+	a	a	1
China			-	-	a	+	a	+	2
Czech				-	-	-	-	+	0
Finland					+	+	a	a	2
France				-	+	a	a	a	1
Hungary					-	-	+	a	1
Ireland				-	a	a	a	a	0
Italy			-	-	+	a	a	+	2
Japan		+	+	+	+	+	+	+	7
Korea			-	-	+	+	a	+	3
Netherlands		+	+	+	+	+	+	+	7
Norway				-	+	a	a	a	1
Portugal					-	-	+	a	1
Singapore		-	-	-	+	+	+	+	4
Spain						-	+	a	1
Thailand					a	a	a	-	0
United Kingdom		+	+	+	+	a	+	+	6
USA-ACM		+	a	a	+	a	a	+	3
Zambia							-	-	0
WG16.1 Chair		+	+	+	+	a	+	+	6
WG16.2 Chair		+	a	a	+	+	+	+	5
WG16.3 Chair		+	+	+	+	+	+	+	7
WG16.4 Chair					+	+	a	+	3
WG16.5 Chair					+	+	a	+	3
		02	03/1	03/2	04/1	05/1	06/1	06/2	Total

— + representative attended — a apologies — r represented— o observer

Appendix 1

Proposal for a new working group on ‘Interactive TV’

WG14.6 Interactive TV

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

Events

This WG will continue in organizing the already established European conference series “EuroITV” by broadening the scope towards an international audience. This will be done by changing the name of this conference series to “Interactive TV”, and organizing this conference around the globe.

Officers

Chair: Lyn Pemberton (UK)
 Vice-chair: Konstantinos Chorianopoulos (Germany)

Members (Tentative List):

Netherlands	Pablo Cesar (Dr., CWI Amsterdam)
Belgium	David Geerts (Dr., Centre for Usability Research – K.U.Leuven)
Denmark	Jens F Jensen (Prof., Aalborg University)
Germany	Konstantinos Chorianopoulos (Dr., Bauhaus University of Weimar)
Germany	Tibor Kunert (Institut für Medientechnik, TU Ilmenau)
Greece	Georgios Lekakos (Dr., Athens University of Economics & Business)
Portugal	Célia Quico (TV Cabo)
UK	Judith Masthoff (Dr., University of Aberdeen)
UK	Lyn Pemberton (Dr., University of Brighton)

UK Mark Springett (Dr., Middlesex University)
UK Owen Daly-Jones (Dr., Serco Usability Services)

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:

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 an active centre of research into interactive television.

Dr Konstantinos Chorianopoulos holds a MEng (Electronics and Computer Engineering, 1999) a 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.

Appendix 2

Proposal for a new working group on 'Art and Entertainment'

WG14.7 Art and Entertainment

Scope

The influence of technology and scientific innovation is profoundly changing how we express ourselves. Arts and Entertainment is a new field that represents the exciting convergence of technology with the established design discipline. The Media Arts and Cinema offers a comprehensive approach to design that encourages innovation by media artists, scientists and engineers. The working group will pursue the following activities:

Aims

- To explore the way art and cinema aesthetics can play a role in different areas of computer science.
- One of its goals is to modify computer science by the application of the wide range of definitions and categories normally associated by making art and cinema.
- To go beyond the usual definition of art and cinema aesthetics in computing, which most often refers to the formal, abstract qualities of such structures--a beautiful proof, or an elegant diagram.
- To research the broader spectrum of aesthetics--from abstract qualities of symmetry and form to ideas of creative expression and pleasure--in the context of computer science.
- To prove the assumption behind art and cinema aesthetic computing that the field of computing will be enriched if it embraces all of aesthetics.

Planning Exhibition

- Every year, Art demo at IECE
 - 1) ICEC 2007 in Shanghai, China
 - 2) ACE 2008 in Kyoto, Japan

Officers

Chair: Naoko Tosa (Prof., Kyoto University)

Vice Chair: Adrian David Cheok (Prof. National University of Singapore)

Secretary: Tomoki Yoshihisa (Dr. Kyoto University)

Members (Tentative List):

Austria,	Gerfried Stocker, Ars Electronica, Gerfried.Stocker@aec.at
France,	Christian Warocquier, France Telecom, warocquier@francetelecom.co.jp
Japan,	Gert van Tonder, Kyoto Institute of Technology, gvtonder@yahoo.co.uk
Japan,	Michihiko Mihoh (Prof, Kyoto University)
Korea,	Soh Yeong Roh, Art Center nabi, director@nabi.or.kr
UK,	Roy Ascott (Prof., University of Plymouth)
USA,	Bryan Loyall, Zoesis, bryan@zoesis.com
USA,	Claudio Pinhanez, IBM, pinhanez@us.ibm.com
USA,	Erriki Hutamo (Prof., UCLA)
USA,	Hisham M Bizri, Film Maker, hb@hishambizri.com
USA,	Jeffrey Huang, Harvard University, jhuang@gsd.harvard.edu
USA,	Newton Lee (Disney)
USA,	Rod Brooks, MIT, brooks@csail.mit.edu
USA,	Scott Fischer (Prof., USC)