

TC14: Entertainment Computing Report to General Assembly and Technical Assembly Brisbane, Australia, September 24 - 26, 2010

Ryohei Nakatsu, TC14 Chair

Part 1: General Assembly (Brisbane, Australia)

TC14 Entertainment Computing

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

1. TC14 meetings held since last report

1.1 Eighth meeting

The eighth TC14 meeting took place during ICEC2009 on Sept 5th, 2009 in Paris France. Below are the list of the participants and the agenda.

TC officers:

Ryohei Nakatsu	(National University of Singapore, Chair)
Matthias Rauterberg	(Eindhoven University of Technology, Vice-chair)
Ben Salem	(Eindhoven University of Technology, Secretary)

National Representatives:

Canada	Sidney Fels (University of British Columbia)
Czech	David Obdrzalek (Charles University)
France	Stephane Natkin (CNAM)
Germany	Rainer Malaka (University of Bremen)
Italy	Paolo Ciancarini (University of Bologna)
Japan	Ryohei Nakatsu (National University of Singapore)
Korea	Hyun Yang (KAIST)
The Netherlands	Matthias Rauterberg (Technical University of Eindhoven)
Singapore	Ryohei Nakatsu (proxy for Adrian Cheok)
Spain	Pedro Gonzalez Calero (Complutense University of Madrid)
USA-ACM	Don Marinelli (Carnegie Mellon University)

Absent Excused:

China	Zhigeng Pan
UK	Mark Cavazza

WG chairs:

WG14.1 chair:	Matthias Rauterberg (proxy for Marc Cavazza)
WG14.2 chair:	David Ovdrazlek (Charles University, Czech)
WG14.3 chair:	Matthias Rauterberg (Eindhoven University of Technology, Netherland)

WG14.4 chair: Stephane Natkin (CNAM, France)
WG14.5 chair: Andly Sloane (University of Wolverhampton, UK)
WG 14.6 chair: Lyn Pemberton (University of Brighton, UK)
WG14.7 chair: Naoko Tosa (Kyoto University, Japan)

Guests:

Tim Marsh (National University of Singapore, Singapore)
Lynne Baillie (Glasgow Caledonian University, UK)
Masayuki Nakajima (Tokyo Institute of Technology, Japan)
Yukiharu Sambe (Taito Corporation, Japan)
Gail Rodney (Elsevier, The Netherlands)

Agenda:

Approval of the minutes of the previous TC14 meeting
Report on ICEC2009
Changes of Officers and Members
Election of TC Officers
Progress of ICEC2010
2nd Entertainment Computing Symposium 2010
Selection procedures for ICEC venues
Working Groups activities reports
Journal on Entertainment Computing
AOB

1.2 Ninth meeting

The ninth TC14 meeting took place on May 21st, 2010 in Seoul Korea. Below are the list of the participants and the agenda.

TC officers:

Ryohei Nakatsu (National University of Singapore, Chair)
Matthias Rauterberg (Eindhoven University of Technology, Vice-chair)
Tim Marsh (National University of Singapore, Secretary)

National Representatives:

China Zhigeng Pan (Zhejiang University)
Germany Rainer Malaka (CNAM)
Japan Junichi Hoshino (Tsukuba University)
Korea Hyun Yang (KAIST)
The Netherlands Matthias Rauterberg (Eindhoven University of Technology)
Singapore Hideaki Nii (proxy for Adrian Cheok)
USA-ACM Don Marinelli (Carnegie Mellon University)
USA-IEEE Nahum Gershon (The Mitre Cooperation)

Absent Excused:

France Stephane Natkin
Czech David Ovdzalek
UK Mark Cavazza

WG chairs:

WG14.1 chair: Matthias Rauterberg (proxy for Marc Cavazza)
WG14.2 chair: Ryohei Nakatsu (proxy for David Ovdrazlek)
WG14.3 chair: Matthias Rauterberg (Eindhoven University of Technology,
Netherlands)
WG14.4 chair: Ryohei Nakatsu (proxy for Stephane Natkin)
WG14.7 chair: Naoko Tosa (Kyoto University, Japan)

Guests:

Yasuyuki Yanagida (Meijo University, Japan)

Agenda:

Approval of the minutes of the previous TC14 meeting
Current preparations for ICEC 2010 - Seoul
Preparation for ICEC2011 (North America candidates)
Working Groups activities reports
Journal on Entertainment Computing
AOB

2. TC14 meetings scheduled until next IFIP General Assembly

The 10th TC14 meeting will be held at the time of ICEC2010 (International Conference on Entertainment Computing) that will be held on September 08 - 11, 2010 in Seoul, Korea. Also the 11th TC14 meeting will be held in the spring of 2011.

3. Changes in membership and officers

There have been several changes since the last report to the General Assembly 2009.

3.1 TC14 officers and members

TC14 was established at the IFIP GA meeting held in August 2006. Three-year term for the officers of TC14 expired at the end of August 2009. Therefore at the eighth TC14 meeting held in Paris France, 2009 during ICEC2009, the election of TC14 Chair was carried out and Ryohei Nakatsu was elected as TC14 Chair for the second term. Then he named Matthias Rauterberg as TC14 Vice Chair and Tim Marsh as TC14 Secretary.

Andy Sloane, WG14.5 Chair, expressed his intention of resignation as he would retire from Professor position at University of Wolverhampton in October 2009. Also he nominated Lynne Baillie as the next WG14.5 Chair. This proposal was approved and Lynne Baillie was asked to work as an acting WG14.5 Chair after October 2009 until this change would be formally approved at IFIP GA meeting in September 2010.

Ryohei Nakatsu was TC14 Japanese representative even after he moved to Singapore in the spring of 2008. He discussed with this issue with Information Processing Society of Japan that is a IFIP member society representing Japan, and they agreed to nominate Junichi Hoshino, A/Prof. of Tsukuba University, as TC14 member representing Japan. This nomination was approved by IFIP. Based on this process, Junichi Hoshino started to serve as TC14 Japanese representative since January 1, 2010.

3.2 TC members

The TC members as of 31st August 2010 are shown below.

TC officers

Chair	Ryohei Nakatsu (Prof., National University of Singapore)
Vice-chair	Matthias Rauterberg (Prof., Eindhoven University of Technology)
Secretary	Tim Marsh (Dr., National University of Singapore)
Industrial liaison	Claudio Pinhanez (Dr., IBM)

National Representative

1	Australia	Steven Hansen (A/Prof., University of Western Sydney)
2	Austria	Peter Purgathofer (Prof., Vienna University of Technology)
3	Bulgaria	Galia Angelova (Prof., Burgalian Academy of Sciences)
4	Canada	Sidney Fels (Prof., University of British Columbia)
5	China	Zhigeng Pan (Prof., Zhejiang University)
6	Czech	David Obdrzalek (Prof., Charles University)
7	Finland	Ville-Veikko Mattila (Dr., Nokia Research Center)
8	France	Stephane Natkin (Prof., CNAM)
9	Germany	Rainer Malaka (Prof. University of Bremen)
10	Hungary	Barnabas Takacs (Dr., Hungarian Academy of Sciences)
11	Ireland	Richard Reilly (Dr., University College of Dublin)
12	Italy	Paolo Ciancarini (Prof., University of Bologna)
13	Japan	Junichi Hoshino (A/Prof., Tsukuba University)
14	Korea	Hyun S. Yang (Prof., KAIST)
15	Netherlands	Matthias Rauterberg (Prof., Eindhoven University of Technology)
16	Norway	Geir Egil Myhre (Dr., University of Troms)
17	Portugal	Nuno Correia (Prof., New University of Lisbon)
18	Singapore	Adrian David Cheok (A/Prof., National University of Singapore)
19	Spain	Pedro Gonzalez Calero (Prof., Complutense University of Madrid)
20	Thailand	Natanicha Chorpothong (Dr., Assumption University)
21	United Kingdom	Marc Cavazza (Prof., University of Teesside)
22	USA-ACM	Donald Marinelli (Prof., Carnegie Mellon University)
23	USA-IEEE	Nahum Gershon (Dr, The MITRE Corporation)
24	Zambia	Milner Makuni (Mr., Afriswitch PVT Limited)

WG Officers

WG14.1 chair:	Marc Cavazza (Prof., University of Teesside)
WG14.2 chair:	David Obdrzalek (Prof., Charles University)
WG14.3 chair:	Matthias Rauterbeg (Prof., Eindhoven University of Technology)
WG14.4 chair:	Stephane Natkin (Prof., CNAM)
WG14.5 chair:	Lynne Baillie (A/Prof., Glasgow Calendonian University)
WG14.6 chair;	Lyn Pemberton (Reader, University of Brighton)
WG14.7 chair;	Naoko Tosa (Prof., Kyoto University)

Observers

European Commission Liaison:	n.n.
IEEE Computer Science	Miguel Encarnacao (Dr., Imedia Inc.)
DiGRA:	Tony Manninen (Prof. University of Oulu)

Honorary Members

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

4. TC14 conferences held since last report**4.1 Sponsored events****4.1.1 ICEC 2009**

The 7th International Conference on Entertainment Computing

September 03 – 05, 2009

CNAM, Paris, France

General Conference Chair: Stephane Natkin (CNAM/ENJMIN, France)

Program Committee Co-Chairs:

Stephane Natkin (CNAM/ENJMIN, France)

Masayuki Nakajima (Tokyo Institute of Technology, Japan)

Bras Bushman (University of Michigan, USA)

International Steering Committee:

Ryohei Nakatsu (National University of Singapore, Singapore)

Marc Cavazza (University of Teesside, UK)

Zhigeng Pan (Zhejiang University, China)

Stephane Natkin (CNAM/ENJMIN, France)

Don Marinelli (Carnegie Mellon University, USA)

Hyun S. Yang (KAIST, Korea)

Roy Ascott (University of Plymouth, UK)

Sara Diamond (Ontario College of Art and Design, Canada)

Scott Fischer (University of Southern California, USA)

Organization Committee Chair:

Jerome Dupire (CNAM, France)

4.2 Co-Sponsored events**4.2.1 EuroITV2010**

8th European Conference on Interactive TV and Video

June 09 - 11, 2010

Tampere, Finland

General Chair: Artur Lugmayr (Tampere Univ. of Technology, Finland)

Conference Chairs: Petri Vuorimaa (Helsinki Univ. of Technology, Finland)

Pertti Naranen (Tampere Univ. of Applied Sciences, Finland)

Program Co-chairs: Celia Quico (Universidade Lusofona, Portugal)

Gunnar Harboe (Motorola, USA)

5. TC14 conferences to be held**5.1 Sponsored events****5.1.1 ICEC2010**

The 8th International Conference on Entertainment Computing
September 08 – 11, 2010

COEX, Seoul, Korea

Honorary Chairs: Roy Ascott (President of Planetary Collegium, UK)
Susumu Tachi (Professor, Keio University, Japan)

General Chairs: Hyun Seung Yang (Professor, KAIST, Korea)
Ryohei Nakatsu (Professor, NUS, Singapore)
Donald Marinelli (Executive Producer, ETC CMU, USA)

Organizing Chairs: Matthias Rauterberg (Professor, TU/e, The Netherlands)
Fumio Kishino (Professor, Kwansai Gakuin University, Japan)
Young Jik Lee (Executive Director, Contents Division ETRI, Korea)

Program Chairs: Jung Hyun Han (Professor, Korea University, Korea)
Junichi Hoshino (Professor, Tsukuba University, Japan)
Rainer Malaka (Professor, University of Bremen, Germany)

5.1.2 ECS2010

The Second Entertainment Computing Symposium (in conjunction with WCC2010)
September 20 – 23, 2010

Brisbane, Australia

Symposium Co-chairs:

Naoko Tosa (Kyoto University, Japan)
Hyun Seung Yang (KAIST, Korea)
Fazel Naghdy (Australia)

Program Co-chairs: Kevin Wong (Murdoch University, Australia)
Paolo Ciancarini (University of Bologna, Italy)
Matthias Rauterberg (TU/e, The Netherlands)
Ryohei Nakatsu (National University of Singapore, Singapore)

5.1.3 ICEC2011

The 9th International Conference on Entertainment Computing
October 05 – 08, 2011

Simon Fraser University, Vancouver, Canada

General chairs: Sidney Fels (University of British Columbia, Vancouver, BC, Canada)
Magy Seif El-Naser (SFU, Vancouver, BC, Canada)

Conference Advisory Committee:

Ryohei Nakatsu, National University of Singapore
Matthias Rauterberg, Technical University of Eindhoven

Technical Paper Chairs:

Junia Anacleto (Federal University of Sao Carlos, SP, Brasil)
Nick Graham (Queens University, Kingston, ON, Canada)

5.2 Co-sponsored Events

The following conferences will be held as IFIP TC14 co-sponsored events. The details of the conference will be decided soon and appear on their web site.

- 1 EuroITV2011
- 2 Edutainment2011
- 3 ACE2011

6. Other TC14 activities

6.1 Conference Proceedings

The proceedings of ICEC2009 has been published from Springer as one of the LNCS series. The proceedings of ICEC2010 will be published from Springer as one of the LNCS series.

6.2 Publications

TC14 and Elsevier agreed to start a new journal “International Journal on Entertainment Computing.” Contracts have been signed and exchanged between IFIP, IFIP TC14 and Elsevier. Also we have composed a group of Editors-in-Chief, Co-Editors-in-Chief and Associate Editors. The first and the second issues of the journal have already been published.

Working Groups

1. WG14.1 Digital Storytelling

Chair: Marc Cavazza (Prof., University of Teesside, UK)

(a) Meetings

WG14.1 meeting was held during Second International Conference on Interactive Digital Storytelling (ICIDS 2009) that was held in Guimaraes, Portugal on December 09 - 11, 2009. Next WG14.1 meeting will be held in Seoul, Korea on September 08-11, 2010 during ICEC2010.

(b) Members

Stephane Natkin (FR), Stephane Donikian (FR), Ana Paiva (PT), Nuno Correia (PT), Michael Young (US), Ulrike Spierling (D), Nicolas Szilas (CH), Federico Peinado (ES)

(c) Events

Second International Conference on Interactive Digital Storytelling

Dates: December 09 – 11, 2009

Venue: Guimaraes, Portugal

Co-Chairs: Ido Iurgel, Nelson Zagalo, Paolo Petta

Local Chairs: Pedro Branco & Rogério Silva

2. WG14.2 Entertainment Robot

Chair: David Obdrzalek (Prof. Charles University, Czech)

(a) Meetings

WG14.2 meeting was held in Graz, Switzerland on May 27 – 30, 2010 during EUROBOT 2010. Next WG14.2 meeting will be held in Seoul, Korea on September 08 - 11, 2010 during ICEC2008.

(b) Events

EUROBOT

Date: May 27 – 30, 2010

3. WG14.3 Theoretical Basis of Entertainment

Chair: Matthias Rauterberg (Prof., Eindhoven University of Technology, The Netherlands)

(a) Meetings

WG14.3 meeting was held in Seoul, Korea on May 21st, 2009 in conjunction with TC14 meeting. Next WG14.3 meeting will be held in Seoul, Korea on September 08 - 11, 2010 during ICEC2010.

(b) Members

Matteo Bittanti (ITALY), Johanna Blakley (USA), Brad Bushman (USA), Suely Frago (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) Events

4. WG14.4 Games and Entertainment Computing

Chair: Stephane Natkin (Prof., CNAM, France)

(a) Meetings

WG14.4 meeting was held in Seoul, Korea on May 21st, 2010 in conjunction with TC14 meeting. Next WG14.4 meeting will be held in Seoul, Korea on September 08 - 11, 2010 during ICEC2010.

(b) Members

Jaap Van Den Herik (chair), Hiroyuki Iida (vice-chair), Jos Uiterwijk (secretary), Brad Bushman, Paolo Ciancarini, Pedro Conzalez-Calero, Wijnand IJsselsteijn, Graham Kendall, Jong Weon Lee, Andre Melzer, Anton Nijholt, Abdennour El Rhalibi, Timothy Roden, Jonathan Schaeffer, Pieter Spronck, Mark Winands, Woontak Woo, Hyun S. Yang

(c) Events

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

Chair: Lynne Baillie (A/Prof., Glasgow Calendonian University, UK)

(a) Meetings

WG14.5 meeting was held Seoul, Korea on May 21st, 2010 in conjunction with TC14 meeting. Next WG14.5 meeting will be held in Seoul, Korea on September 08 - 11, 2010 during ICEC2010.

(b) Members

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

(c) Events

6. WG14.6 Interactive TV

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

(a) Meetings

WG14.6 meeting was held in Seoul, Korea on May 21st, 2010 in conjunction with TC14 meeting. Also another WG14.6 meeting was held in Tampere, Belgium on 09 – 11 June, 2010 during EuroITV2010. Next WG14.6 meeting will be held in Seoul, Korea on September 08 - 11, 2010 during ICEC2010.

(b) Members

Pablo Cesar (secretary, The Netherlands), Konstantinos Chorianopoulos (vice-chair, Germany), Owen Daly-Jones (UK), Mike Darnell (USA), Luis Fernando Gomes Soares (Brazil), David Geerts (Belgium), Shang Hsu (Taiwan), Jens F Jensen (Denmark), Tibor Kunert (Germany), Georgios Lekakos (Greece), Artur Lugmayr (Finland), Judith Masthoff (UK), Marianna Obrist (Austria), Lyn Pemberton (chair, UK), Célia Quico (Portugal), Mark Springett (UK), Zhang Liping (China)

(c) Events

EuroITV2010 (8th European Conference on Interactive TV and Video)

Date: June 09 – 11, 2010

Venue: Tampere, Finland

General Chair: Artur Lugmayr (Tampere Univ. of Technology, Finland)

Conference Chairs: Petri Vuorimaa (Helsinki Univ. of Technology, Finland)

Pertti Naranen (Tampere Univ. of Applied Sciences, Finland)

Program Co-chairs: Celia Quico (Universidade Lusofona, Portugal)

Gunnar Harboe (Motorola, USA)

7. WG14.7 Art and Entertainment

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

(a) Meetings

WG14.7 meeting was held in Seoul, Korea on May 21st, 2010 in conjunction with TC14 meeting. Next WG14.7 meeting will be held in Seoul, Korea on September 08 - 11, 2010 during ICEC2010.

(b) Members

Gerfried Stocker(Austria), Christian Warocquier (France), Gert van Tonder (Japan), Michihiko Mihoh (Japan), Soh Yeong Roh (Korea), Roy Ascott (UK), Bryan Loyall (USA), Claudio Pinhanez (USA), Erriki Hutamo (USA), Hisham M Bizri (USA), Jeffrey Huang (USA), Newton Lee (USA), Rod Brooks (USA), Scott Fischer (USA)

(c) Events

Cultural Computing (held in conjunction with The 13th Kyoto University International Symposium)

Date: Dec. 13, 2009

Venue: Kyoto University, Kyoto, Japan

General Chair: Naoko Tosa (Kyoto University, Japan)

Presentation: Hisham Bizri (University of Minnesota, USA)

Naoko Tosa (Kyoto University, Japan)

Koji Koyamada (Kyoto University, Japan)

Ryohei Nakatsu (National University of Singapore, Singapore)

The First Conference on Culture and Computing 2010

Date: Feb 22-23, 2010

Venue: Kyoto University, Kyoto, Japan

General Chair: Toru Ishida (Kyoto University, Japan)

Session Chair: Naoko Tosa (Kyoto University, Japan)

Part 2: Technical Assembly 2010 (Brisbane, Australia)**TC14 Members (2010)***Officers*

Chairman Singapore	Ryohei Nakatsu
Vice-Chair The Netherlands	Matthias Rauterberg
Secretary Singapore	Tim Marsh
Industrial Liaison Brazil	Claudio Pinhanez

National Representatives

Australia	Steve Hansen (Prof., University of Western Sydney)
Austria	Peter Purgathofer (Prof., Vienna University of Technology)
Brazil	Claudio Pinhanez (Dr., IBM)
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	Stephane Natkin (Prof., CNAM)
Germany	Rainer Malaka (Prof., University of Bremen)
Hungary	Barnabas Takacs (Dr., Hungarian Academy of Sciences)
Ireland	Richard Reilly (Dr., University College of Dublin)
Italy	Paolo Ciancarini (Prof., University of Bologna)
Japan	Junich Hoshino (A/Prof., Tsukuba University)
Korea	Hyun S. Yang (Prof., KAIST)
Netherlands	Matthias Rauterberg (Prof., Eindhoven University of Technology)
Norway	Geir Egil Myhr (Dr., University of Troms)
Portugal	Nuno Correia (Prof., New University of Lisbon)
Singapore	Adrian David Cheok (A/Prof., National University of Singapore)
Spain	Pedro Gonzalez Calero (Prof., Complutense University of Madrid)
Thailand	Natanicha Chorpothong (Dr., Internet Association)
United Kingdom	Marc Cavazza (Prof., University of Teesside)
USA-ACM	Donald Marinelli (Prof., Carnegie Mellon University)
USA-IEEE	Nahum Gershon (Dr., The MITRE Cooperation)
Zimbabwe	Miler Makuni (Mr., Afriswitch PVT Limited)

WG14.x Chair persons

WG14.1	Marc Cavazza
WG14.2	David Obdzalek
WG14.3	Matthias Rauterberg

WG14.4 Stephane Natkin
WG14.5 Lynne Baillie
WG14.6 Lyn Pemberton
WG14.7 Naoko Tosa

Observers

European Commission Liaison:	Leonie Schaeffer
IEEE Computer Science	Miguel Encarnacao (Dr., Imedia Inc.)
DiGRA:	Tony Manninen (Prof. University of Oulu)

Honorary Members

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

TC14 Meetings: Attendance

Nation	Year	02	03/ 1	03/ 2	04/ 1	05/ 1	06/ 1	06/ 2	07/ 1	07/ 2	08/ 1	08/ 2	09/ 1	09/ 2	10/ 1	Total
Australia											a	+	a	a	a	1
Austria					-	-	-	a	+	a	a	a	a	a	a	1
Bulgaria					a	a	a	a	a	-	-	-	-	-	-	0
Canada		-	-	-	a	+	a	a	a	a	+	a	a	+	a	3
China			-	-	a	+	a	+	a	p	+	p	a	a	+	6
Czech				-	-	-	-	+	+	+	a	a	+	+	a	5
Finland					+	+	a	a	a	-	-	-	-	-	-	2
France				-	+	a	a	a	a	a	p	+	+	+	a	5
Germany													+	+	+	3
Hungary					-	-	+	a	a	+	a	a	a	a	a	2
Ireland				-	a	a	a	a	a	-	-	-	-	-	-	0
Italy			-	-	+	a	a	+	a	a	a	a	+	+	a	4
Japan		+	+	+	+	+	+	+	+	+	+	+	+	+	+	14
Korea			-	-	+	+	a	+	a	+	+	+	a	a	+	7
Netherlands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	14
Norway				-	+	a	a	a	a	-	-	-	-	-	-	1
Portugal					-	-	+	a	a	-	-	-	-	-	-	1
Singapore		-	-	-	+	+	+	+	a	a	+	a	a	P	p	7
Spain						-	+	a	a	-	-	a	a	+	a	2
Thailand					a	a	a	-	a	-	-	-	-	-	-	0
United Kingdom		+	+	+	+	a	+	+	+	a	+	a	+	p	a	10
USA-ACM		+	a	a	+	a	a	+	+	p	a	+	+	+	+	9
USA-IEEE									+	a	a	a	+	a	+	3
Zambia							-	-	a	a	a	-	-	-	-	0
WG14.1 Chair		+	+	+	+	a	+	+	a	a	+	p	+	p	p	10
WG14.2 Chair		+	a	a	+	+	+	+	+	+	+	a	a	+	p	10
WG14.3 Chair		+	+	+	+	+	+	+	+	+	+	+	+	+	+	14
WG14.4 Chair					+	+	a	+	a	p	a	p	a	+	p	7
WG14.5 Chair					+	+	a	+	+	a	a	a	+	+	a	6
WG14.6 Chair									+	p	a	a	+	+	a	4
WG14.7 Chair									+	+	p	+	+	+	+	7
		02	03/ 1	03/ 2	04/ 1	05/ 1	06/ 1	06/ 2	07/ 1	07/ 2	08/ 1	08/ 2	09/ 1	09/ 2	10/ 1	Total

— + representative attended — a apologies — p proxy— o observer