

Minutes of the
IFIP TC8 INFORMATION SYSTEMS

50th Business Meeting

Stockholm, Sweden

Saturday, 15th of June 2019 (from 09:00 to 17:00)

Version 2 August 2019

1. Call to order

The Chair, Isabel Ramos, calls the meeting to order at 9 am on June 15 2019.

2. Roll call of attendees

Australia	Dale MacKrell (on skype)	Secretary
Japan	Tetsuya Uchiki	
Norway	John Krogstie	
Portugal	Isabel Ramos	Chair
Slovakia	Viera Rozinajova	
South Africa	Alta van der Merwe (on skype)	Vice-Chair
Sweden	Anna Stahlbrost	
IFIP General Secretary	Eduard Dundler	
WG 8.1 Vice-Chair	Janis Stirna	
WG 8.2 Chair	Eija Karsten	
WG 8.3 Vice-Chair	Frada Burstein	
WG 8.5 Chair	Marijn Janssen	
WG 8.9 Secretary	Sohail Chaudhry	
WG 8.12 represented by	Lida Xu, Zhou	

3. Apologies for absence

Austria	A Min Tjoa
Bulgaria	Krassen Stefanov
Denmark	Jan Pries-Heje
France	Thomas Polacsek
Italy	Barbara Pernici
New Zealand	Michael Myers
WG 8.1 Chair	Jolita Ralyté
WG 8.3 Chair	Frederic Adam
WG 8.3 Secretary	Gloria Phillips-Wren
WG 8.4 Chair	Edgar Weippl
WG 8.6 Past Chair	Deborah Bunker
WG 8.6 Secretary	Banita Lal
WG 8.6 Vice-Chair	Amany Elbanna
WG 8.6 Vice-Chair	Helle Zinner Henriksen
WG 8.6 Chair	Yogesh Dwivedi
WG 8.9 Secretary	Ling Li
WG 8.11 Chair	Allen C. Johnston

Absentees (not present – no apologies)

Horacio P. Leone	Argentina
Ji Wang	China
Josef Basl	Czech Republic
Juhani Iivari	Finland
Ulrich Frank	Germany
Manolis Giakoumakis	Greece
Atanu Rakshit	India

Brian Fitzgerald	Ireland
Michael Z. Hanani	Israel
Henk G. Sol	Netherlands
Jide Awe	Nigeria
Janusz Kacprzyk	Poland
Dragan Simic	Serbia
Juzar Motiwalla	Singapore
Marjan Krisper	Slovenia
Samantha Thelijjagoda	Sri Lanka
Dubovoy Volodymyr	Ukraine

4. Declaration of proxies

Isabel Ramos served as proxy for A Min Tjoa

5. Welcoming new members

No new members attended the meeting.

6. Group building.

A round-table presentation followed where the TC8 members attending the meeting briefly presented themselves.

7. Approval of Agenda

The agenda previously distributed to be approved.

8. Approval of the minutes of the 49th meeting in Poznan, Poland, September 17th, 2018

The minutes of the 49th meeting in Poznan, available from the home page of the TC8 Website, approved.

9. Action items as per attachment

Action-Item 2018-1: Jan Pries-Heje will look into IFIP's quality assurance policy and will report to TC8 at the 2019 meeting.

Jan Pries-Heje could not stay for the meeting but informed in advance that an IFIP policy was defined regarding the inclusion of the IFIP WGs proceedings in IFIP Springer publications. According to this policy, it is the role of TC Chairs to ensure that the conferences have the quality required to publish with the IFIP Springer publications.

The TC8 members attending the meeting discussed possible strategies to implement the policy.

It was decided to contact WG Chairs re delegation of assessment evaluation of the quality of papers to publish with Springer.

Action-Item 2019-1: The Chair will contact WG Chairs on the matter of assessing WG paper quality.

Action-Item 2018-2: After getting input on the current list just distributed, John Krogstie sends an update of the list to Isabel for updating the one on the TC8 Website by 1 Nov.

Since there are other conference lists, some of which are widely used and valued by the community (e.g., CORE - Australia, GGS – Italy), the list that the TC8 produced and has been updating has lost its relevance. John Krogstie suggests that TC8 stops maintaining its own list and rather encourages TC8 WGs conferences to be included in the lists that are relevant for the worldwide community.

It was decided that the list of TC8 WG conferences and acceptance rates are still relevant and useful to disseminate. The list will be for information only and not a ranking list.

Action-Item 2019-2: The Chair will ensure that TC8 lists all WGs conferences, their acceptance rates and brief information about the review process and impact.

Action-Item 2018-3: Isabel Ramos will continue the contacts with Cape Verde's colleagues to inform financial support to participate in the next TC8 meeting.

The contact was made and the colleagues from the University of Cape Verde showed interest in participating. This contact was not made in time for this year's meeting but it was defined that as soon as the place for the 51th meeting is decided, the TC8 Chair will inform the delegates of Cape Verde.

It was decided to invite someone from Cape Verde to attend each TC8 meeting.

Action-Item 2018-4: The Chair will inform TC8 about the GA decision regarding the budget requested to support the summer schools.

The GA decision was favorable. The 7000 € budgeted in 2018 had not all been used since UNESCO support for events in the developing countries was requested. The amount of \$2218 out of the \$10,000 maximum (8,710 €) possible was already allocated to the Summer School taking place in Ghana on June 21-22, 2019.

It was decided to contact George Kasper to enquire how much of the budget had been spent by UNESCO at the Ghana Summer School, why only \$2 218, and is there an opportunity to spend more of the 7000 €

allocated.

Action-Item 2019-3: The Chair will contact George Kasper regarding the amount spent on the Ghana Summer School out of the budgeted funds allocated by UNESCO.

Action-Item 2018-5: Eija Karsten will follow up the IFIP-AIS liaison initiative with the next AIS president.

Eija Karsten explained that she is available to contact the new AIS president, Brian Fitzgerald, who is a former WG 8.2 officer. One of the benefits is the possibility of co-locating conferences and getting access to the AIS e-library.

A decision was made to repeat this action item next year.

Action-Item 2019-4: Eija Karsten will follow up the IFIP-AIS liaison initiative with the next AIS president.

Action-Item 2018-6: The Chair will inform the WG 8.4 Chair that the group is in violation of IFIP bylaws by having some officers holding the role for more than 2 terms.

The situation remains the same. The WG has an election scheduled for August 2019.

A decision was made to contact WG 8.4 after their election in August to enquire if new officers have been elected.

Action-Item 2018-7: The Chair will continue looking into the business model being developed to ensure the success of open access publication.

No information was obtained. Eduard Dundler informed that efforts are still being done to develop the business model. John Krogstie informed that countries are making deals with the publishers to have open access to the publications being produced by their researchers.

A decision was made to obtain more information on business models for open access. It was suggested that Elsevier is open access.

Action-Item 2019-5: The Chair will continue looking into the business model at the TA meeting.

Action-Item 2018-8: The Chair will continue looking into the type of indexing being used for IFIP publications.

It was noted that Springer publications are indexed with Scopus and some are with ISI Web of Knowledge.

Done: nothing more to do.

Action-Item 2018-9: The Secretary will ask again for information about the number of participants in ESOC events as well as the number of papers accepted.

The Chair of the WG 8.10, Pierluigi Plebani, was contacted and he clarified that the ESOC is the hosting conference of the WG workshop. Nevertheless, the report includes the ESOC attendance numbers. It is a small conference that will not take place in 2019. The WG 8.10 workshop will be hosted by the IEEE

SERVICES 2019 (July 8-13).

It was decided that more information is required in order to fill out the WG 8.10 report. The report mentions the ESOCC conference not the WG 8.10 workshop. As well, the number of workshop participants and submissions has not provided.

Action-Item 2018-10: Isabel Ramos will contact the “Industrial Information Integration” proposers to see if they are still interested in becoming an IFIP TC8 WG.

The proposal of the new WG 8.12 was presented in the 2016 TC8 meeting and the proposal was forwarded to TA at Costa Rica that year. The feedback was that the new TC8 working group would be welcome.

Lida Xu informed that the next conference is in Dubai and is included in the report.

Decision made to list WG 8.12 scope, aims, officers, members and events on TC8 Website.

Action-Item 2019-6: The Chair will add information about WG 8.12 on the TC8 Website.

Action-Item 2019-7: The Secretary will gather the information about WG 8.12 aims, scope, officers, members and events on TC8 Website.

Action-Item 2018-11: The Secretary will send annually to all WGs a text to insert in the Call for Papers of Working Conferences explaining the procedure on how to apply for support if a participant is from a developing country.

This was not done.

Decision made to send this information with the 2019 minutes.

Action-Item 2019-8: The Secretary will send to all WGs a text to insert in the Call for Papers of Working Conferences explaining the procedure on how to apply for support if a participant is from a developing country.

Action-Item 2018-12: The Secretary will provide an online option to submit WG reports according to the defined format.

The development of the feature was started but is not yet completed due to budget constraints. Hence the need to stay with the old template.

Decision made to implement the online reports feature on the TC8 Website for the 51th meeting in 2020.

Action-Item 2019-9: Isabel Ramos to ensure the TC8 Website is ready for online reports in 2020.

Action-Item 2018-13: The Chair will ask the WG 8.4 Chair for information about future events.

The report mentions the International Cross Domain Conference for Machine Learning & Knowledge Extraction (CD-MAKE 2019), co-located with ARES 2019, Canterbury, UK (August 26-29, 2019).

Not reported.

Action-Item 2019-10: The Chair will ask the WG 8.4 Chair for information about events in 2020 and 2021.

Action-Item 2018-14: The Chair will ask the WG8.5 Chair for information about future events.

Done. WG 8.5's report mentions 3 events in 2020.

Action-Item 2018-15: The Secretary will inform TC8 members of the final venue for the 2019 meeting.

Done.

Action-Item 2018-16: The Chair will present at GA the intention to invite to the TC8 meeting leaders of the IS communities in Africa, developing countries.

It was not done since George Kasper could not attend the GA meeting.

In 2019, there's the total of 57.428,38 € for TC8 to use. A maximum of 25 000 € can be used to plan the expenses. For next here I propose the following budget items (15 000 €)

1. 3000 € for continued improvements and operations for the TC 8 Website.
2. 4000 € to support the attendance of colleagues from developing countries that get papers accepted at TC 8 conferences. Each WG can apply for 1000 € to fund the travel of a colleague from a developing country to present his or her accepted paper at the WG's conference.
3. 6000 € to support summer program for PhD students at universities in developing countries.
4. 1000 € for WGs trying new conference formats that differ from the traditional pre-defined theme and tracks, proceedings, fixed time, fixed location format.
5. 1000 € to support the attendance of colleagues from developing countries to the TC8 meeting.

Action-Item 2019-11: The Chair to make available a list of UN developing countries.

10. Review of terms of appointments of TC8 and WG

Action-Item 2019-12: The Chair will ask about the UK representative at GA.

Action-Item 2019-13: The Chair will contact ACM to ask about the USA representative.

Action-Item 2019-14: The Chair will contact the computing society in Ukraine to ask about the national representative.

TC 8 officers: Chair Isabel Ramos (2019-2021)
Vice-Chair Alta van der Merwe (2019-2021)
Secretary Dale MacKrell (2019-2021)

WG 8.1 officers: Chair Jolita Ralyté (2019-2021)
Vice-Chair Janis Stirna (2019-2021)
Secretary John Krogstie (2019-2021)

- WG 8.2 officers: Chair Eija Karsten (2019-2021)
Vice-Chair Matthew Jones (2019-2021)
Secretary Benjamin Müller (2019-2021)
- WG 8.3 officers: Chair Frédéric Adam (2017–2020)
1st Vice-Chair Frada Burstein (2017-2020)
2nd Vice-Chair Ana Respício (2017-2020)
Secretary Gloria Philips-Wren (2017-2020)
- WG 8.4 officers: Chair Edgar Weippl (2019-2020)
Vice-Chair Günther Pernul (2019-2020)
Vice-Chair Wichian Chutimaskul (2019-2020)
Secretary Julia Pammer (2019-2020)

Action-Item 2019-15: The Secretary to contact WG 8.4 about 3 years term.

- WG 8.5 officers: Chair Marijn Janssen (2018-2020)
Vice-Chair Olivier Glassey (2018-2020)
Vice-Chair Peter Parycek (2018-2020)
Secretary Efthimios Tambouris (2018-2020)
- WG 8.6 officers: Chair Yogesh Dwivedi (2019-2021)
Vice-Chair Amany Elbanna (2019-2021)
Vice-Chair Helle Zinner Henriksen (2019-2021)
Secretary Banita Lal (2019-2021)

Action-Item 2019-16: The Secretary to contact WG 8.6 re officer from Denmark, no longer IFIP member.

- WG 8.9 officers: Chair A Min Tjoa (2017-2019)
Vice-Chair Maria Raffai (2017-2019)
Secretary Ling Li (2017-2019)
Secretary Sohail Chaudhry (2017-2019)

Action-Item 2019-17: The Secretary to contact WG 8.9 re officer from Hungary, no longer IFIP member.

- WG 8.10 officers: Chair Pierluigi Plebani (2018-2020)
Vice-Chair Winfried Lamersdorf (2018-2020)
Vice-Chair Eric Dubois (2018-2020)
Secretary Damian Andrew Tamburri (2018-2020)
- WG 8.11 officers: Chair Allen C. Johnston (2019-2021)
Vice-Chair Manish Agrawal (2019-2021)
Secretary Tejaswini Herath (2019-2021)
- WG 8.12 officers: Chair Dr Li Da Xu
Vice-Chair Lirong Zheng
Vice-Chair Zhuo Zou
Secretary Dr Larissa Bulysheva

11. Formalizing the new working group (WG 8.12 - on Industrial Information Integration) Lida Xu

Business meeting will be in Dubai together with the working conference: March 2020.
Lida Xu informed about the aim and scope of the WG 8.12 group.

12. Report from the Chair

The Chair could not participate in the GA in Poznan, Poland. He sent the minutes of the meeting.

At the meeting Eduard Dundler mentioned the topics addressed in the meeting that are of particular importance to IFIP TCs.

During the meeting, there was a proposal that universities may be able to apply as IFIP members in order to broaden the IFIP basis. Not yet decided by IFIP.

IFIP electronic library contains the Springer publications. The papers published from 2005 to 3 years before the access that is being carried out, are available for free download.

The Chair of the Membership & Marketing Committee (MMC), Max Bramer, called for the collaboration of all for a better dissemination of TCs, in particular the activities carried out by their working groups, in the various IFIP member countries.

TC7 has a new working group on Non-Linear Optimization. TC12 proposed to create a new group, AI and Cognition, and TC14 proposed the creation of the group Sound & Music Computing; both proposals were accepted.

UNESCO have invited IFIP to celebrate its 60th anniversary at UNESCO HQ in Paris in September 2020. The IFIP President decided to organize a separate 2-day celebration of IFIP with all invited speakers, and an appropriate social event; TCs will be invited to participate.

The Association "IT Ukraine" is now a member of IFIP.

The GA and TA meetings will take place in Kiev, Ukraine (Oct 12th/13th 2019).

13. Working Group Chairs Summary

13.1. WG 8.11 Report See report in the annex I.	WG 8.11 Chair
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Action-Item 2019-18: The Chair will ask WG 8.11 to explain who are probationary members.

13.2. WG 8.1 Report See report in the annex I	WG 8.1 Chair
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13.3. WG 8.2 Report See report in the annex I.	WG 8.2 Chair
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13.4. WG 8.3 Report See report in the annex I.	WG 8.3 Chair
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13.5. WG 8.4 Report See report in the annex I.	WG 8.4 Chair
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The formalizing with IFIP is required so the events are approved, marketed and the IFIP cannot be

mentioned.

Action-Item 2019-19: The Chair and Secretary will send a list of approved WG events to IFIP and remind WGs to fill out forms that formalize approval with IFIP.

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| 13.6. WG 8.5 Report
See report in the annex I. | WG 8.5 Chair |
| 13.7. WG 8.6 Report
See report in the annex I. | WG 8.6 Chair |
| 13.8. WG 8.9 Report
See report in the annex I. | WG 8.9 Chair |
| 13.9. WG 8.10 Report
See report in the annex I. | WG 8.10 Chair |
| 13.10. TC8 Events
The TC8 calendar for the years 2018, 2019 and 2020 was reviewed and the events' status updated. | Chair |

14. Nominations for Awards

(submissions July 15th)

Raghav Rao was awarded the Outstanding Service Award

Eduard Dundler reminded the meeting that the Silver Core Award is attributed every 2 years.

Lida Xu suggested the definition of criteria to nominate TC8 members for awards.

Decision-Item 2019-1: The received nominations were considered and recommendations were forward to IFIP nominations committee by the attending TC8 members.

15. Discussion of NR's reports on national computing societies initiatives

No TC8 member attending the meeting had information about the computing society in Sweden and the national representative did not attend the meeting.

16. TC8 Information Systems Summer School in Ghana

Raghav Rao

It is being organized in conjunction with the WG8.6 working conference "ICT unbounded, Social Impact of Bright ICT Adoption" - Acra, Ghana, June 2019

The UNESCO/IFIP program aimed at achieving a worldwide professional and socially responsible development and application of information and communication technologies supported the event with \$2,218 / 2000 €. This amount was transferred to the University of Ghana to pay the expenses of PhD students attending the conference.

Action-Item 2019-20: The Secretary will request a brief report of the Ghana Summer School to be distributed to TC8 members.

17. TC8 Strategic Brainstorming session

Chair

TC8 WGs conferences are opportunities to network and learn. Therefore, some formats may work well, for example integrating workshops to develop paper writing skills, creating collaborative environments to come up with ideas that can be implemented in the developing countries.

TC8 should collect and disseminate opportunities to support visiting scholars offered by universities.

TC8 should ask the outreach of the WGs conferences and market that information on the Website, by email, newsletters etc.

The TC8 attending members discussed the benefits of attracting developing countries, including by organizing conferences there. The general feeling is this should be promoted whenever feasible taking into consideration the local availability to manage effectively the logistics of the conference.

18. TC8 next meetings

18.1. TC8 meeting date and place 2020

The attending members agreed on having the business meeting prior to IFIP 2020 event in Paris (September 26-29). The date for the GA meeting is not yet known. Prior to setting a date for the TC8 meeting, the GA date must be set.

Action-Item 2019-21: The Secretary will contact Thomas Polacsek (French NR) to enquire about his availability to support TC8 in organizing the meeting.

18.2. Tentative TC8 meeting date and place 2021

A tentative location was defined for Romania, after ECIS2021.

19. Any Other Business

No other business was mentioned.

20. Decisions (for noting on the TC8 Web Page)

The information on the Website must be reviewed and updated.

21. Close

The TC 8 Chair Isabel Ramos closed the meeting at 4:26 pm.

Appendix 1: Actions Items from the TC 8 meeting 2019

Action-Item 2019-1: The Chair will contact WG Chairs on the matter of assessing WG paper quality.

Action-Item 2019-2: The Chair will ensure that TC8 lists all WGs conferences, their acceptance rates and brief information about the review process and impact.

Action-Item 2019-3: The Chair will contact George Kasper regarding the amount spent on the Ghana Summer School out of the budgeted funds allocated by UNESCO.

Action-Item 2019-4: Eija Karsten will follow up the IFIP-AIS liaison initiative with the next AIS president.

Action-Item 2019-5: The Chair will continue looking into the business model at the TA meeting.

Action-Item 2019-6: The Chair will add information about WG 8.12 on the TC8 Website.

Action-Item 2019-7: The Secretary will gather the information about WG 8.12 aims, scope, officers, members and events on TC8 Website.

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Action-Item 2019-14: The Chair will contact the computing society in Ukraine to ask about the national representative.

Action-Item 2019-15: The Secretary to contact WG 8.4 about 3 years term.

Action-Item 2019-16: The Secretary to contact WG 8.6 re officer from Denmark, no longer IFIP member.

Action-Item 2019-17: The Secretary to contact WG 8.9 re officer from Hungary, no longer IFIP member.

Action-Item 2019-18: The Chair will ask WG 8.11 to explain who are probationary members.

Action-Item 2019-19: The Chair and Secretary will send a list of approved WG events to IFIP and remind WGs to fill out forms that formalize approval with IFIP.

Action-Item 2019-20: The Secretary will request a brief report of the Ghana Summer School to be distributed to TC8 members.

Action-Item 2019-21: The Secretary will contact Thomas Polacsek (French NR) to enquire about his availability to support TC8 in organizing the meeting.

Appendix 2: Attendance at TC8 Meetings

Attendance statistics

Country	Meetings																				Cumulative					
	30 1999	31 2000	32 2001	33 2002	34 2003	35 2004	36 2005	37 2006	38 2007	39 2008	40 2009	41 2010	42 2011	43 2013	44 2013	45 2014	46 2015	47 2016	48 2017	49 2018	50 2019	R	Y	X	A	W
1 Argentina	W	W	W	W	A	A	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	34	1	1	3	29
2 Australia	Y	Y	Y	Y	A	Y	A	Y	Y	A	Y	Y	A	W	A	Y	A	A	Y	Y	Y	46	30	1	13	2
3 Austria	A	Y	Y	Y	A	Y	Y	Y	X	Y	Y	Y	Y	X	X	Y	X	X	Y	X	X	47	28	13	5	1
4 Belgium	Y	Y	A	A	Y	A	A	A	Y	Y	A	A	A	Y	A	Y	A	--	--	--	--	45	16	2	17	10
5 Bulgaria	W	W	W	W	W	Y	Y	A	A	Y	Y	W	Y	A	Y	Y	A	X	Y	X	A	45	18	2	6	19
6 China	W	A	Y	Y	A	A	A	A	A	Y	X	W	A	A	W	A	A	A	A	A	W	34	7	1	14	12
7 Czech Rep	W	W	W	W	W	W	W	Y	Y	Y	Y	A	Y	W	Y	A	A	A	A	Y	W	36	7	3	8	18
8 Denmark	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	A	X	A	49	36	1	8	4
9 Finland	Y	Y	Y	A	Y	A	X	A	Y	Y	Y	X	Y	W	A	A	A	W	W	X	W	48	27	5	11	5
10 France	Y	Y	A	W	Y	Y	Y	Y	Y	X	-	-	-	Y	A	Y	A	Y	Y	X	A	45	31	5	6	3
11 Germany	Y	W	W	W	W	A	A	A	A	Y	Y	Y	A	W	W	A	A	Y	Y	A	W	44	24	2	12	6
12 Greece	A	W	A	W	Y	W	W	W	W	W	W	W	-	W	W	W	W	W	W	W	W	22	2	0	3	17
13 Hungary	W	W	A	W	W	Y	Y	Y	Y	Y	Y	Y	A	Y	X	A	Y	A	A	W	W	49	24	2	7	16
14 India	W	W	W	W	W	W	W	A	Y	X	W	W	W	W	W	W	W	W	W	W	W	48	6	1	6	35
15 Ireland	A	Y	X	A	A	W	W	W	W	W	W	W	Y	W	W	A	A	A	A	W	W	32	7	6	8	11
16 Israel	A	X	X	Y	A	W	W	A	W	W	W	W	-	W	W	W	W	W	W	W	W	42	16	2	5	19
17 Italy	A	Y	X	A	A	A	Y	Y	Y	Y	Y	X	Y	Y	X	Y	X	Y	X	A	A	49	34	6	7	2
18 Japan	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	X	Y	Y	X	X	Y	Y	Y	Y	47	41	3	7	6
19 Netherlands	Y	Y	A	A	A	A	A	A	W	W	W	W	Y	Y	X	A	X	X	W	X	W	50	30	5	9	6
20 New Zealand	A	A	A	A	Y	A	A	Y	X	Y	W	W	A	A	A	A	A	A	A	W	A	22	3	2	14	3
21 Nigeria	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	W	W	W	W	4				4
22 Norway	A	A	Y	Y	A	Y	Y	Y	X	Y	Y	Y	Y	Y	X	X	Y	Y	Y	Y	Y	49	35	6	5	3
23 Poland	A	W	W	W	A	Y	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	24	4	1	2	17
24 Portugal	Y	A	W	W	Y	Y	Y	Y	X	X	Y	A	Y	Y	Y	Y	X	Y	Y	Y	Y	44	19	8	3	14
25 Serbia	-	-	-	-	-	-	-	-	W	W	Y	W	W	W	W	W	W	A	A	A	W	14	1	0	3	9
26 Singapore	A	W	W	W	W	W	W	A	W	W	W	W	W	W	W	W	W	W	W	W	W	27	1	0	3	23
27 Slovakia	A	A	A	A	W	W	W	W	W	W	W	W	W	Y	A	Y	A	Y	Y	X	Y	23	6	1	7	9
28 Slovenia	-	-	A	A	A	A	A	Y	Y	A	A	A	W	W	W	A	W	W	W	W	W	19	2	0	9	8
29 South Africa	Y	Y	Y	A	Y	Y	Y	X	Y	Y	Y	Y	A	W	W	W	W	W	Y	Y	Y	48	18	9	10	11
30 Spain	A	X	A	W	A	A	W	A	Y	Y	A	A	W	W	W	W	W	W	W	W	W	41	7	11	9	14
31 Sri Lanka	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	W	W	A	W	4			1	3
32 Sweden	A	X	A	A	A	A	X	A	X	W	X	X	W	W	W	W	W	W	Y	W	Y	50	18	14	10	8
33 Switzerland	Y	Y	Y	Y	Y	Y	Y	A	X	Y	Y	A	Y	A	Y	A	A	Y	Y	--	--	46	30	5	10	1
34 Ukraine	-	-	-	-	-	-	-	-	-	-	-	-	-	Y	W	W	W	W	W	W	W	8	1			7
35 United Kingdom	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	A	Y	Y	A	-	-	--	--	--	45	43	0	2	0
36 U S A (ACM)	Y	Y	Y	Y	A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	--	49	42	0	5	2
37 U S A (IEEE)	-	Y	Y	Y	A	Y	X	A	Y	Y	X	Y	Y	-	-	-	-	--	--	--	--	12	8	2	2	0
Number of Reps	31	32	33	33	33	33	33	33	34	34	33	33	31	34	34	33	33	34	34	33	32					
Number at meeting	13	15	12	11	11	15	13	14	16	19	17	10	14	14	8	6	6	9	13	8	7					

Y Present A Absent with notification O Observer present
X Proxy assigned W Absent without notification - No representation