

IPAC'11 San Sebastian

Report from SPC/1

OC/2

San Sebastian, 11 September 2009

SPC/1 (10 Sept 2009) Agenda

1. Introduction and approval of the Agenda
2. SPC composition, tasks and schedule
3. SAB composition
4. Review of Classifications and scopes
5. EPAC'08 and PAC'09 statistics
6. EPAC'08 PRST-AB Special Edition
7. EPAC'08 Review
8. IPAC'11 embryonic programme outline
9. Next SPC meetings

IPAC'11 SPC Composition

Main Classification	European Coordinator	Asia/N America "Shadow"
1. Circular Colliders	Ruediger Schmidt (CERN)	Vladimir Litvinenko (BNL)
2. Synchrotron Light Sources and FELs	Luigi Palumbo (U. Roma La Sapienza and INFN)	In Soo Ko (POSTECH)
3. Linear Colliders, Lepton Accelerators and New Acceleration Techniques	Olivier Napoly (CEA)	Lia Merminga (TRIUMF)
4. Hadron Accelerators	Gianluigi Arduini (CERN)	Rakesh Bhandari (VECC)
5. Beam Dynamics and Electromagnetic Fields	Jean-Marc Filhol (Soleil)	Shane Koscielniak (TRIUMF)
6. Instrumentation, Controls, Feedback and Operational Aspects	Kay Wittenburg (DESY)	Jeff Corbett (SLAC)
7. Accelerator Technology Main Systems	Paolo Pierini (INFN/LASA)	June-Rong Chen (NSRRC)
8. Applications of Accelerators	Mats Lindroos (ESS)	Akira Noda (Kyoto ICR)
Session for Industry	Rok Ursic (Instrumentation Technologies)	

Tasks and schedule for the SPC

- SPC/1 (September 2009); followed by OC/2:
 - Review the past conference(s)
 - Review Classifications and SAB membership for IPAC'11
 - Agree an "embryonic" programme outline for IPAC'11
- SPC/2 (early July 2010, 2 day meeting); followed by OC/3:
 - Select invited talks from proposals made by SAB and OC
 - Final selection to be approved by OC
- SPC/3 (?March/April 2011); followed by OC/4:
 - Selected contributed talks from submitted abstracts

Scientific Advisory Board

- Role of Scientific Advisory Board is to propose invited orals.
- By agreement, representation is:
 - 40 from host region (Europe)
 - 25 each from other two regions (Asia and Americas)
- Representation should be as wide as possible, covering different institutions, countries, specialist areas; including women as well as men; excluding members of OC.
- Aim to include a number of new members, as well as maintaining some existing, very active members.
- It is helpful to record level of contribution of each member of the SAB.
- For IPAC'11, developed a list starting from SAB/Program Committees for IPAC'10, PAC'09 and EPAC'08.

Scientific Advisory Board

Membership from Europe (40)

TBD		ESS	Marie Helene Moscatello	GANIL	
Ralph	Assmann	CERN	Amor	Nadji	SOLEIL
Julien	Bergoz	BERGOZ	Vasily	Parkhomchuk	BINP
Giovanni	Bisoffi	INFN/LNL	Mark	Plesko	COSYLAB
Hans	Braun	PSI	Montserrat	Pont	ALBA
Reinhard	Brinkmann	DESY	Leonid	Rivkin	PSI
Philip	Burrows	JAI	Concetta	Ronsivalle	ENEA C.R. Frascati
Swapan	Chattopadhyay	Cockcroft Inst	Lucio	Rossi	CERN
Cristina	Dimopoulou	GSI	Luca	Serafini	INFN/LASA
Mikael	Eriksson	MAX-lab	Boris	Sharkov	ITEP
Laurent	Farvacque	ESRF	Alexander	Smirnov	JINR
Santo	Gammino	INFN/LNS	Peter J.	Spiller	GSI
Luis	García-Tabarés	CEDEX	Michele	Svandrlík	ELETTRA
Norbert	Holtkamp	ITER	John	Thomason	STFC/RAL/ISIS
Sergey	Ivanov	IHEP Protvino	Marnix	Van der Wiel	TUE
Erk	Jensen (TBC)	CERN	Richard	Walker	Diamond
Jens	Knobloch	BESSY	Thomas	Weis	DELTA
Bernard	Laune	IN2P3	Volker	Ziemann	UU/ISIS
Rudolf	Maier	FZJ	Frank	Zimmermann	CERN
Søren Pape Møller		Aarhus	Mikhail	Zobov	INFN/LNF

Scientific Advisory Board Membership from Asia (25)

Kazunori	Akai	KEK	Kexin	Liu	PIU/IHIP
Yong-Sub	Cho	KAERI	Dekang	Liu	SSRF
Jianjun	Deng	CAEP/IFP	Kailash	Mittal	BARC-EBC
Jie	Gao	IHEP Beijing	Kiyohiko	Nohara	KH Technicals
Akira	Goto	RIKEN	Hideaki	Ohgaki	Kyoto IAE
Hafeez	Hoorani	NCP	Kazuhito	Ohmi	KEK
Kuo Tung	Hsu	NSRRC	Chandra	Pithawa	RRCAT
Wenhui	Huang	TUB	Amit	Roy	IUAC
Yen-Chieh	Huang	NTHU	Hyyong	Suk	GIST
Ching-Shiang	Hwang	NSRRC	Hitoshi	Tanaka	RIKEN/SPring-8
Osamu	Kamigaito	RIKEN	Thiraphat	Vilaithong	FNRF
Mitsutaka	Kanazawa	NIRS	Jia Wne	Xia	IMP
Heung-Sik	Kang	PAL	Hideaki	Yokomizo	JAEA
Wei-min	Li	USTC/NSRL	Tianjue	Zhang	CIAE

1 from NSRRC plus 2 others to be removed

Scientific Advisory Board

Membership from Americas (25)

Joseph	Bisognano	UW-Madison/SRC	Felix	Marti	NSCL
Michael	Borland	ANL	Richard	Milner	MIT
Yu-Jiuan	Chen	LLNL	Michiko	Minty	BNL
Mark	DeJong	CLS	Alex	Murokh?	Radia Beam
Roger	Dixon	FNAL	Claudio	Pellegrini	UCLA
Alex	Dragt	UMD	Tor	Raubenheimer	SLAC
Paul	EMMA	SLAC	David	Robin	LBNL
Georg	Hoffstaetter	CLASSE	Lawrence	Rybarcyk	LANL
Geoffrey	Krafft	TJNAF	Tom	Shea (TBC)	ORNL
Sam	Krinsky	BNL	Vladimir	Shiltsev	Fermilab
Bob	Laxdal	TRIUMF	Pedro	Tavares	LNLS
Shyh-Yuan	Lee	IUCF	Alan	Todd	AES
John	Madey	U. Hawaii	Ying	Wu	FEL/Duke University

1 to be removed

Classifications and Scopes

- Existing Classifications and descriptions maintained, with minor modifications (mostly regarding sub-classifications).
- As at previous conferences, plenary talks to be given Main Classification 1-8 where possible; only using 9 if there is no reasonable alternative.

1 Circular Colliders

2 Synchrotron Light Sources and FELs

3 Linear Colliders, Lepton Accelerators and New Techniques

4 Hadron Accelerators

5 Beam Dynamics and EM Fields

6 Beam Instrumentation and Feedback

7 Accelerator Technology

8 Applications, Technology Transfers and Industrial Relations

9 Opening/Closing/Prizes/Entertainment/No Classification

Classifications and Scopes

- Some additions to sub-classifications, including:
 - A16 (ERLs) added as subclassification for MC1 (Circular Colliders).
 - A20 (Plasma Wake Field Acceleration), a new subclassification, added for MC3 (Linear Colliders, Lepton Accelerators, and New Acceleration Techniques) – community to be consulted regarding the final naming of A20.
 - D03 (High Intensity) changed to “High Intensity – Storage Rings”, included in MC5 (Beam Dynamics and EM Fields).
 - D06 (High Intensity - Linacs), a new subclassification, added for MC5 (Beam Dynamics and EM Fields).
 - New T sub-classification, Neutron Sources, for MC8 (Applications).
 - New U sub-classification, Security, for MC8 (Applications).

EPAC'08 Statistics

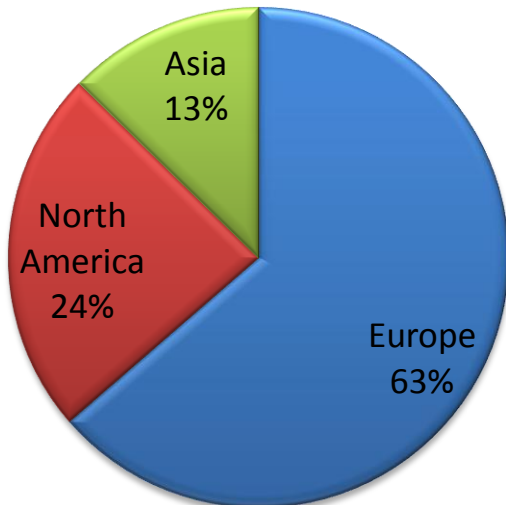
- Detailed statistics on EPAC'08 are published at the IPAC'11 organisers' web site.
- Some information on PAC'09 statistics is recently available, but received too late for discussion by SPC at this meeting.
- There is agreement within the SPC that we should adopt the same principle as IPAC'10, to aim for equal representation from each region for invited orals.

EPAC 2008 Contribution Counts by Region

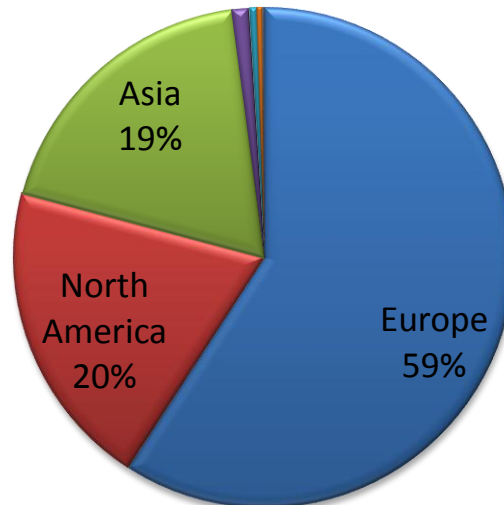
#	Region	Invited Oral		Poster		Contributed Oral		Total	
1	Europe	35	63.64%	675	59.16%	17	51.52%	727	59.15%
2	North America	13	23.64%	228	19.98%	7	21.21%	248	20.18%
3	Asia	7	12.73%	215	18.84%	9	27.27%	231	18.80%
4	South America	0	0.00%	12	1.05%	0	0.00%	12	0.98%
5	Middle East	0	0.00%	6	0.53%	0	0.00%	6	0.49%
6	Australia	0	0.00%	4	0.35%	0	0.00%	4	0.33%
7	Africa	0	0.00%	1	0.09%	0	0.00%	1	0.08%
Total Contributions		55	4.48%	1141	92.84%	33	2.69%	1229	

Approx. 1500 abstracts submitted
 1229 papers uploaded
 1218 papers published

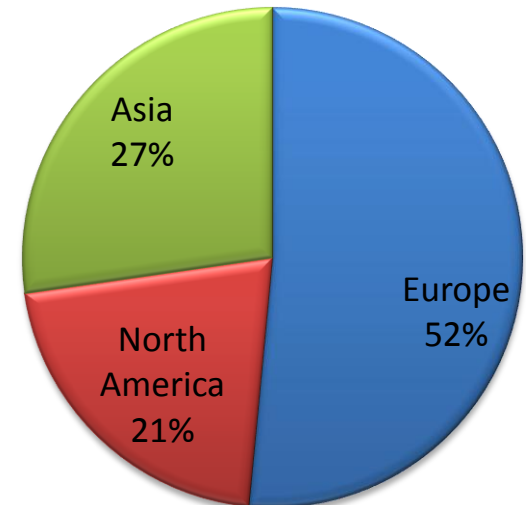
Invited Oral



Poster

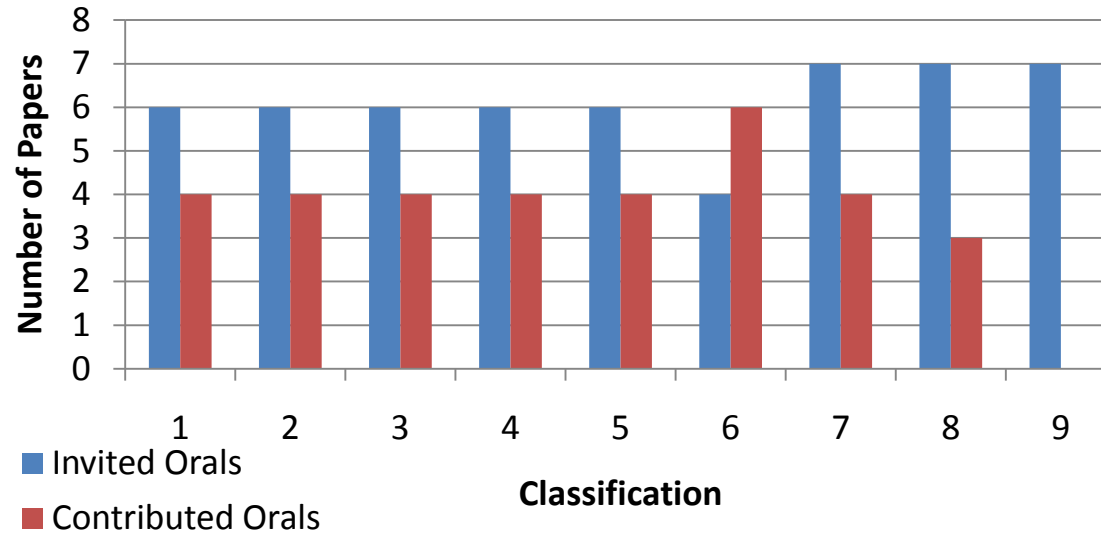


Contributed Oral



EPAC'08 Statistics

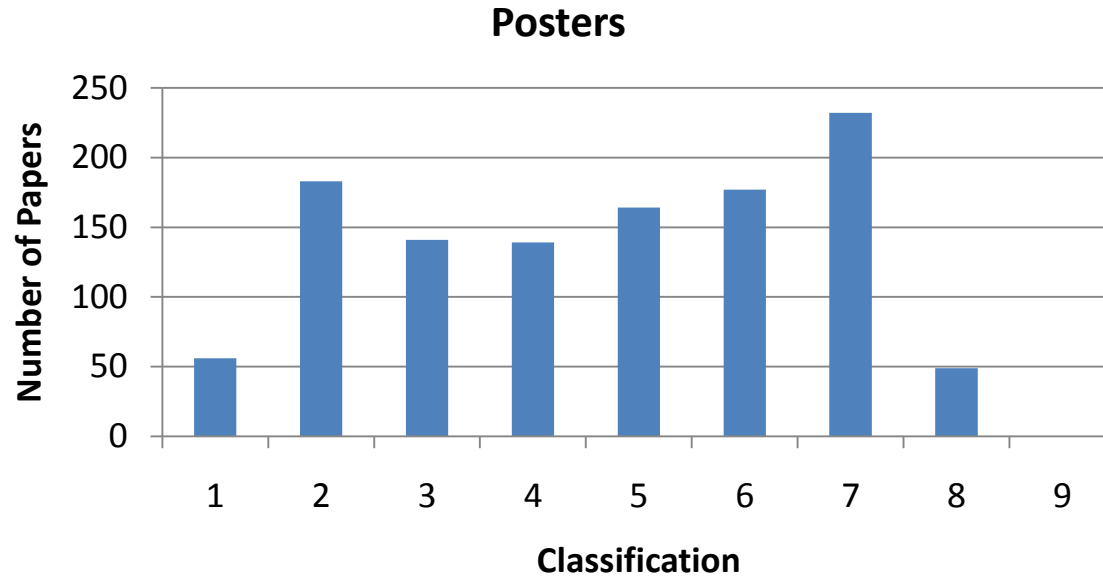
Oral Presentations



- 1 Circular Colliders
- 2 Synchrotron Light Sources and FELs
- 3 Linear Colliders, Lepton Accelerators and New Techniques
- 4 Hadron Accelerators
- 5 Beam Dynamics and EM Fields
- 6 Beam Instrumentation and Feedback
- 7 Accelerator Technology
- 8 Applications, Technology Transfers and Industrial Relations
- 9 Opening/Closing/Prizes/Entertainment/No Classification

Total 88 oral presentations

EPAC'08 Statistics



- 1 Circular Colliders
- 2 Synchrotron Light Sources and FELs
- 3 Linear Colliders, Lepton Accelerators and New Techniques
- 4 Hadron Accelerators
- 5 Beam Dynamics and EM Fields
- 6 Beam Instrumentation and Feedback
- 7 Accelerator Technology
- 8 Applications, Technology Transfers and Industrial Relations
- 9 Opening/Closing/Prizes/Entertainment/No Classification

Total 1141 posters presented

PRST-AB Special Edition

- For several years, PRST-AB has published a Special Edition comprising papers based on contributions to the accelerator conferences.
- The SPC feels we should maintain the current system:
 - SPC selects a number of likely candidates for PRST-AB publications from the submitted abstracts reviewed at SPC/3.
 - Members of SPC review the work presented (by oral or poster) during the conference, and refine the list of candidates. PRST-AB Editor also makes suggestions.
 - Email is sent to selected authors, inviting them to write an expanded version of their paper to be submitted to PRST-AB for the special edition, making it clear that the papers will be subject to the same editorial criteria and peer-review process as regular submissions to the journal.

Review of EPAC'08: Orals

- There was a good balance of topics covered by the invited and contributed oral presentations.
- The programme included general “review” talks, as well as talks reporting recent results and facilities status.
 - There should be some originality in the approach to the subject for invited review or status talks, to avoid repetition from one conference to the next.
- Quality of speakers was generally good. We should continue to select speakers primarily on the quality of the presentation that can be expected.
 - The “entertainment” talk was disappointing, mainly because the practical aspect of the talk could not be included.

Review of EPAC'08: Session for Industry

- The Session for Industry consisted of a two-hour slot on Wednesday afternoon (after the industrial exhibits had finished).
- The programme consisted of a series of 20 minute invited talks – there were no contributed talks.
- This appears to be a successful format.
- The session running in parallel should be chosen to minimise the number of people interested in both sessions.

Review of EPAC'08: Student Posters/Prizes

- The student poster session was scheduled for Sunday afternoon, before the official start of the conference.
- Sponsored students were expected to make a presentation at the Student Poster Session.
- Two student prizes were awarded:
 - first, chosen in advance by the Prize Committee, on the basis of the quality of their research;
 - second, chosen by the SPC from the presentations at the Student Poster Session.
- Both student prize winners were expected to make presentations at the prizes session (one at quite short notice).
- The criteria for award of the second prize should be clarified. SPC chair to draft some new criteria, to be revised and approved by the SPC and OC.

Review of EPAC'08: Publications

- The Proceedings Office performed an outstanding job, processing more than 1100 papers by the close of the conference.
- Provision of the necessary resources is essential for the Proceedings Office to carry out their task efficiently.

Review of EPAC'08: General

- Genoa was a memorable conference.
- The venue, organisation, communications were uniformly excellent.
- The availability of space with comfortable seating for informal discussions was particularly appreciated.
- A very high standard was set. Future conferences should benefit from the experience.

Embryonic Schedule for IPAC'11

- The scientific programme should be inclusive, and achieve a good balance between topics and institutions.
- There are many competing criteria and considerations that impose strong constraints on the conference schedule.
- We should agree very soon a provisional schedule that specifies the number of invited and contributed talks within each classification and session. This will simplify the discussions on the invited orals, and allow time to focus on the content and speakers.

"Straw man" schedule: example 1

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00	Opening Remarks	1	2	4	7
09:30	1				4
10:00	2				6
10:30	COFFEE				
11:00	3	5	3	8	7
11:30	4				3
12:00	7				5
12:30	LUNCH				
13:00					
13:30					
14:00	2	3	8	6	4
14:30	2	3			6
15:00	7	5			
15:30	7	5			
16:00					
16:30	COFFEE AND POSTERS				
17:00					
17:30					
18:00					

	Invited	Contrib
Monday 14:00-15:00	0	3
Monday 15:00-16:00	0	3
Tuesday 09:00-10:30	3	0
Tuesday 11:00-12:30	3	0
Tuesday 14:00-16:00	2	3
Wednesday 09:00-10:30	1	3
Wednesday 11:00-12:30	1	3
Wednesday 14:00-16:00	2	3
Thursday 09:00-10:30	3	0
Thursday 11:00-12:30	1	3

Classification	% papers EPAC'08	Parallel Sessions (hrs)			Parallel Total	Plenary Sessions		Total (hours)
		1	2	3		1	2	
0 Opening/Closing/Prizes/Entertainment/No Classification								4
1 Circular Colliders	5	1.5	1.5		3	0.5		3.5
2 Synchrotron Light Sources and FELs	16	1.0	1.5	1.5	4	0.5		4.5
3 Linear Colliders, Lepton Accels and New Techniques	12	1.0	1.5	1.5	4	0.5		4.5
4 Hadron Accelerators	12	2.0	1.5		3.5	0.5	0.5	4.5
5 Beam Dynamics and EM Fields	14	1.0	1.5	1.5	4	0.5		4.5
6 Beam Instrumentation and Feedback	15	2.0	2.0		4	0.5		4.5
7 Accelerator Technology	20	1.0	1.5	1.5	4	0.5		4.5
8 Applications, Technology Transfers and Industrial Relations	4	2.0	1.5		3.5	0.5		4

Time allocation: example 1

- 1 hour "subsessions": 3 contributed talks
- 1.5 hour sessions: 1 invited + 3 contributed
- 2 hour sessions: 2 invited + 3 contributed

Classification	Invited Plenary	Invited Parallel	Contrib. Parallel	Total Talks	Total Hours
0 Opening/Closing/Prizes/Entertainment/No Classification	2	0	0	2	1.0
1 Circular Colliders	1	2	6	9	3.5
2 Synchrotron Light Sources and FELs	1	2	9	12	4.5
3 Linear Colliders, Lepton Accels and New Techniques	1	2	9	12	4.5
4 Hadron Accelerators	2	3	6	11	4.5
5 Beam Dynamics and EM Fields	1	2	9	12	4.5
6 Beam Instrumentation and Feedback	1	4	6	11	4.5
7 Accelerator Technology	1	2	9	12	4.5
8 Applications, Technology Transfers and Industrial Relations	1	3	6	10	4.0
Total:	11	20	60	91	35.5

"Straw man" schedule: example 2

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00	Opening Remarks	1	2	3	4
09:30	1			7	6
10:00	2				5
10:30	COFFEE				
11:00	3	8	5	4	8
11:30	4				No Classification
12:00	7				No Classification
12:30	LUNCH				
13:00					
13:30					
14:00	2	3	4	6	8
14:30	2	3		6	Prizes and Entertainment
15:00	7	5			
15:30	7	5			
16:00	COFFEE AND POSTERS				
16:30					
17:00					
17:30					
18:00					

Parallel Sessions		Invited	Contributed
Monday	14:00-15:00	0	3
Monday	15:00-16:00	0	3
Tuesday	09:00-10:30	3	0
Tuesday	11:00-12:30	3	0
Tuesday	14:00-16:00	2	3
Wednesday	09:00-10:30	1	3
Wednesday	11:00-12:30	1	3
Wednesday	14:00-16:00	2	3
Thursday	09:00-10:30	3	0
Thursday	11:00-12:30	1	3

Classification	% papers EPAC'08	Parallel Sessions (hrs)			Parallel Total	Plenary Sessions		Total (hours)
		1	2	3		1	2	
0 Opening/Closing/Prizes/Entertainment/No Classification								4
1 Circular Colliders	5	1.5	1.5		3	0.5		3.5
2 Synchrotron Light Sources and FELs	16	1.0	1.5	1.5	4	0.5		4.5
3 Linear Colliders, Lepton Accels and New Techniques	12	1.0	1.5	1.5	4	0.5		4.5
4 Hadron Accelerators	12	2.0	1.5		3.5	0.5	0.5	4.5
5 Beam Dynamics and EM Fields	14	1.0	1.5	1.5	4	0.5		4.5
6 Beam Instrumentation and Feedback	15	2.0	2.0		4	0.5		4.5
7 Accelerator Technology	20	1.0	1.5	1.5	4	0.5		4.5
8 Applications, Technology Transfers and Industrial Relations	4	1.5	2.0		3.5	0.5		4

Time allocation example 2

Classification	Invited Plenary	Invited Parallel	Contrib. Parallel	Total Talks	Total Hours
0 Opening/Closing/Prizes/Entertainment/No Classification	2	0	0	2	1.0
1 Circular Colliders	1	4	3	8	3.5
2 Synchrotron Light Sources and FELs	1	4	6	11	4.5
3 Linear Colliders, Lepton Accels and New Techniques	1	4	6	11	4.5
4 Hadron Accelerators	2	3	6	11	4.5
5 Beam Dynamics and EM Fields	1	4	6	11	4.5
6 Beam Instrumentation and Feedback	1	4	6	11	4.5
7 Accelerator Technology	1	4	6	11	4.5
8 Applications, Technology Transfers and Industrial Relations	1	5	3	9	4.0
Total:	11	32	42	85	35.5

Future Meetings

15 January 2010	PAC'11 OC	
21-22 January 2010	IPAC'10 SPC	KEK
23-28 May 2010	IPAC'10	Kyoto
early July 2010	IPAC'11 SPC/2 & OC/3	Lund
?March/April 2011	IPAC'11 SPC/3 & OC/4	TBD

IPAC'11 SPC/2: Selection of invited orals (2 days)

IPAC'11 SPC/3: Selection of contributed orals

Acknowledgements

- Thanks to members of the SPC for accepting the responsibilities of their roles; and for highly constructive discussions yesterday.
- Thanks to Francis and his colleagues on the LOC, the Kursaal, and ESS Bilbao for the practical arrangements and their hospitality.
- Thanks to Christine for (as always) invaluable support.