

Free Electron Laser Conference Series

- **Overview of FEL Conference Series**
- **Organization & Particularities**
- **FEL 2006:**
 - **statistics**
 - **proceedings production**
 - **experiences, problems & solutions**

Free Electron Laser Conference Series

typical parameters:

- **conference type:** yearly, “medium size”:
 - number of participants: 250 - 300
 - single (no parallel) session, only invited talks
 - contributed papers, poster presentation required
- **duration:** one week (5 days),
- **date:** mostly last week of August or first of September
- **places:** worldwide, changing between US, Europe and Asia
- **special:** each paper goes through a slight review process

FEL conferences from 1985

JACoW

#	year	where	USA	Europe	Asia
7	85	Tahoe City / USA			
8	86	Glasgow / Scotland			
9	87	Williamsburg / USA			
10	88	Jerusalem / Israel			
11	89	Naples / USA			
12	90	Paris / France			
13	91	Santa Fe / USA			
14	92	Koe / Japan			
15	93	The Hague / Netherlands			
16	94	Stanford / USA			
17	95	New York / USA			
18	96	Rome / Italy			
19	97	Beijing / China			
20	98	Williamsburg / USA			
21	99	Hamburg / Germany			
22	2000	Durham / USA			
23	01	Darmstadt / Germany			
24	02	Chicago / USA			
25	03	Tsukuba / Japan			
26	04	Trieste / Italy			
27	05	Stanford / USA			
28	06	Berlin / Germany			
29	07	Novosibirsk / Russia			
30	08	??? / Korea			
31	09	Daresbury / UK			

Michael Abo-Bakr, JACoW, 21.-23.3.2007, Trieste



Topics, discussed on FEL conferences

- **FEL Experimental Results:** highlights of new experimental results.
- **FEL Technology:** electron and photon beam technology, accelerator (rf), undulators etc.
- **FEL Theory:** new developments in the theoretical understanding of FELs.
- **High-Brightness Electron Beams and Diagnostics**
- **High-Gain, Short-Wavelength Single Pass FEL developments**
- **High-Power, Long-Wavelength FEL developments**
- **New Concepts and Proposals:** new and challenging concepts for future FELs (theoretical & experimental), e.g. Femtosecond Pulses
- **FEL Oscillators and Storage Ring FELs:** developments related to high average power FELs, IR FELs, and Storage-Ring FELs

Last Conferences

26th International FEL Conference: Trieste / Italy, 2004

- 287 participants from 18 countries
- 62 talks
- 158 posters
- → 184 papers

First time published by JACoW
Last time book & first time CD published



27th International FEL Conference: Stanford / USA, 2005

- 302 participants from 20 countries
- 26 invited oral talks
- 32 contributed oral talks
- 192 posters
- → 171 submitted papers

Second time published by JACoW
First time published as CD only

fel2005



Aug 21-26, 2005

28th International FEL Conference: fel 06



- 28. Aug – 1. Sep., Berlin, <http://fel2006.bessy.de/>
- hosted by BESSY and FZR
- 330 registrants from 22 countries
- 54 talks: 31 invited, 23 contributed
- 151 poster
- → 191 paper

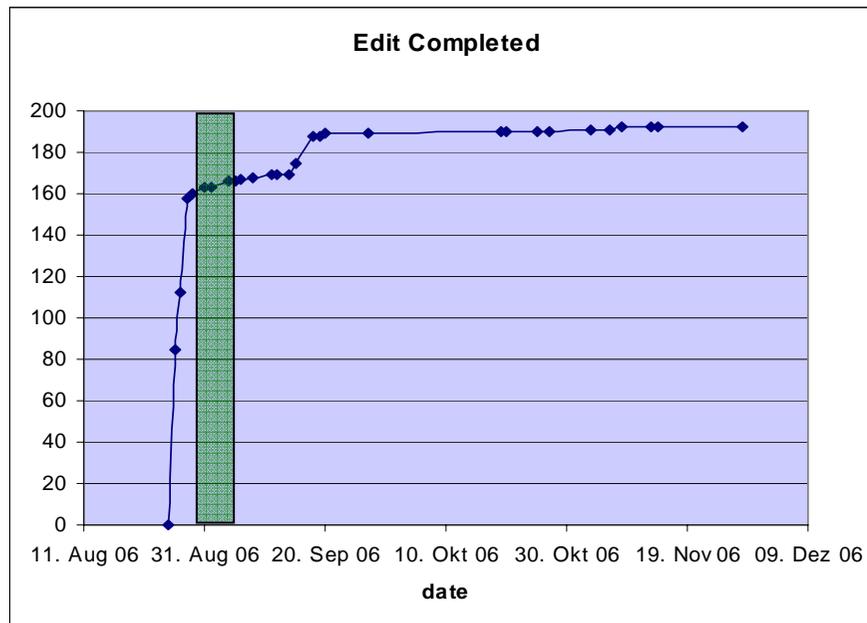
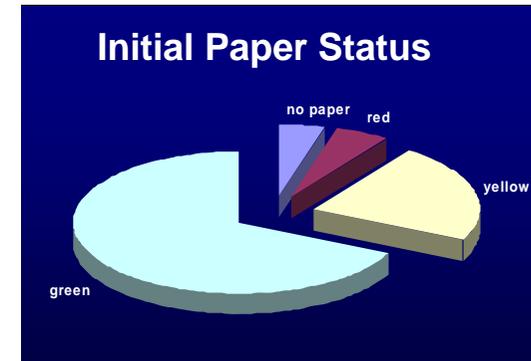


fel 06: Editing Statistics

Editors: 3 x BESSY, 1 x FZR, 1 x Elettra, 1 x BINP

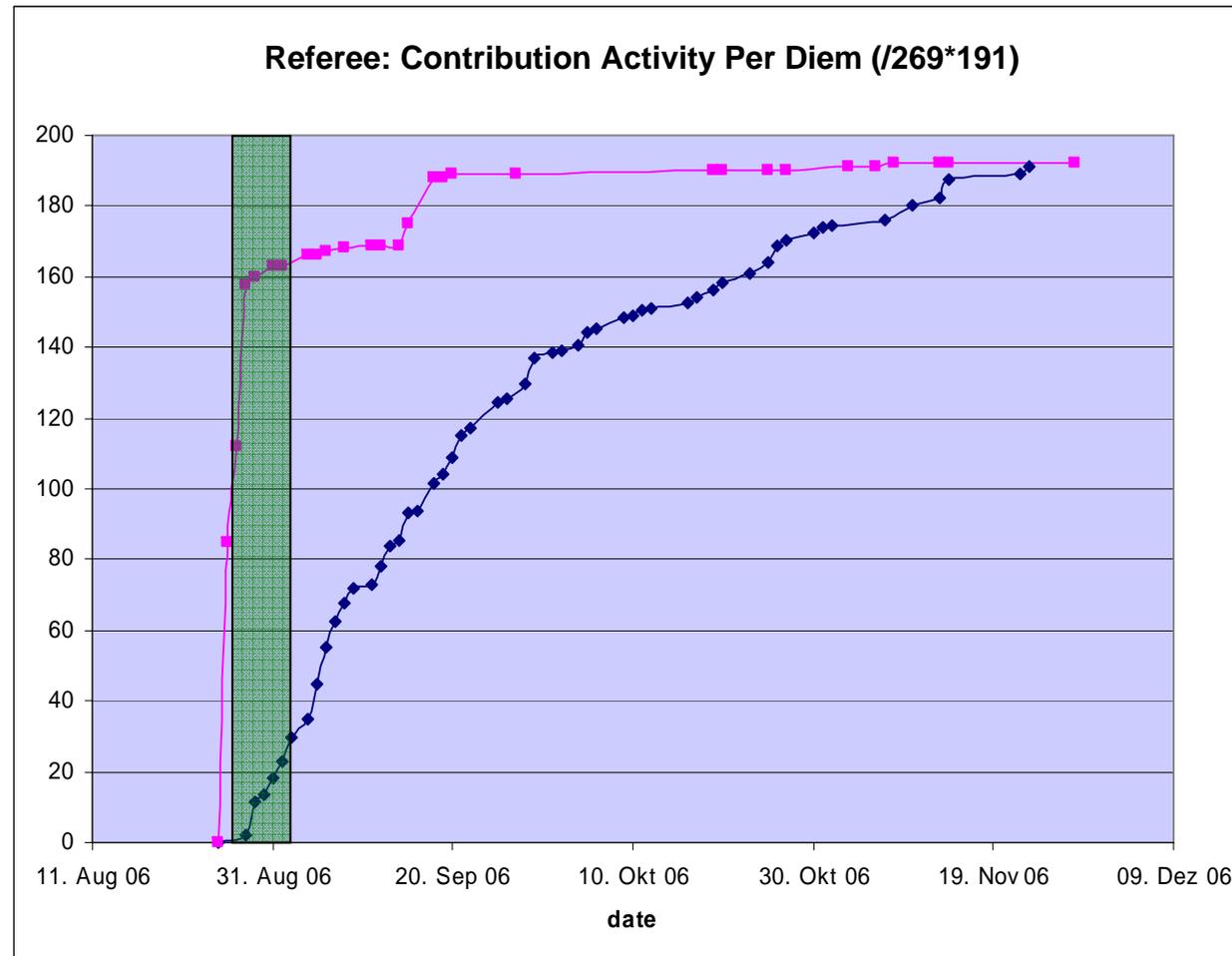
Platform	Remaining	Assigned	Assignable	
Intel PC	0	154	154	100.00%
Linux	0	13	13	100.00%
Macintosh	0	18	18	100.00%
Unix	0	6	6	100.00%
Totals	0	191	191	

Initial Paper Status		
Red - Editing	14	6.86 %
Yellow - Editing	60	29.41 %
Green - Editing	118	57.84 %
No paper submitted	12	5.88 %



- 2 1.47% A4 Printed on US Paper
- 19 13.97% Font Problems
- 51 37.50% Formatting Problems
- 0 0.00% Multiple PS Files
- 7 5.15% No Postscript File
- 54 39.71% Other
- 0 0.00% Slow Graphics
- 1 0.74% Type 3 Fonts (LaTeX)
- 2 1.47% Unusable Files

fel 06: Refereeing Statistics



Michael Abo-Bakr, JACoW, 21.-23.3.2007, Trieste

fel 06: Proceedings Production

- created by Roland Mueller (BESSY IT-expert), using Volker Schaa's proceedings scripts:
 - scripts worked very smooth
 - only small adjustments required
 - perfect support: Many thanks to Volker!!!
- finished at beginning of December → online on the fel06 web site
- sent to John on 5th Dec. 06 → online on the JACoW web site

fel 06 Proceedings online:

<http://www.bessy.de/fel2006/proceedings/>

<http://accelconf.web.cern.ch/accelconf/f06/>

fel 06: Proceedings Production



Proceedings including mp3 audio files of all talks: about 2 GB

→ DVD instead of CD

- pressed in DVD-ROM (DVD-5) format to increase readability
- DVD/cover put out end of January
- DVD ready & shipped in mid of February 2007