

# B-factory Legacy Book: Status of the project

<http://www.slac.stanford.edu/xorg/BFLB/>

1<sup>st</sup> B-factory Legacy Book Meeting

SLAC National Laboratory

30<sup>th</sup> - 31<sup>st</sup> October 2009

<http://indico.in2p3.fr/conferenceDisplay.py?confId=2293>

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# Aim of the meeting

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- This is the 1<sup>st</sup> in a series of B-factory Legacy Book Meetings.
  - Welcome to the theorists and experimentalists from Belle and BaBar!
- Today we start to build a collaboration between the two B-Factories, and the theory community.
- We aim to update the B-factory Legacy community on the progress made so far.
  - Recruitment Update: See Bostjan Golob.
  - Computing: See Homer Neal.
  - Strawman draft of the book: See Bruce Yabsley.
  - Organization of the rest of the meeting: See Sören Prell.

# Commitments from the experiments

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- Earlier this year BaBar took a vote within its collaboration council on the concept of writing a legacy book.
  - At the time they did not have details of a Belle commitment, and unanimously backed the idea of this project.
- Shortly afterward Belle went through a similar process.
  - Again there was unanimous support for the legacy book concept.
- A few weeks ago – BaBar took a second vote, this time taking into account the known level of Belle commitment.
  - Once again, there was overwhelming support for this endeavour!
- Now we take our first step toward close collaboration that will document the many achievements of this community.
  - It is only possible to do this with the efforts of Belle, BaBar, and the theory community.
  - We are fortunate to have such enthusiasm for this project.

# Organization:Who's Who

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- **Administrative Support:**

Sarodia Vydelingum(in2p3)

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Donna Hernandez (SLAC)

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- **Co-editors:**

Adrian Bevan (QMUL)

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Bostjan Golob (Ljubljana)

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Thomas Mannel (Siegen)

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Sören Prell (Iowa State)

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Bruce Yabsley (Sydney)

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- **Webmaster:**

Ray Cowan (MIT)

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- **Section Editors**

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- **Contributors**

See Bostjan Golob's presentation.

# Timeline of the project

- October 2009: 1<sup>st</sup> meeting to launch the project.
  - ↓ Develop a detailed plan for the content of the book and inter-relations between sections. Also deploy a style guide and lines of communication.
- January 2010: Start writing.
  - Many results are already finalised.
  - Many results are still being worked on.
    - We hope these will be finalised during the writing of the book.
  - Are there results that are not being worked on that would be desirable to complete for the Legacy Book?
    - Part of the homework given to section editors...
- December 2011: Finish writing.
  - ↪ Final Proof Reading Stage During the last 6 months.
- Mid 2012: publish the book.

# Before we start writing...

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- The book will be ~1000 pages
  - So we want to make sure we don't rush into writing the book. There are many questions to resolve by the end of the year:
    - The style guide to use.
      - We need a uniform style (and notation) to facilitate preparing the book.
      - + Technical conventions to ease our workload.
    - Section ordering.
    - Relationships between sections etc. (fine detail).
      - i.e. homework given to section editors.

See Bruce Yabsley's presentation on the style guide.

# Publishing the book

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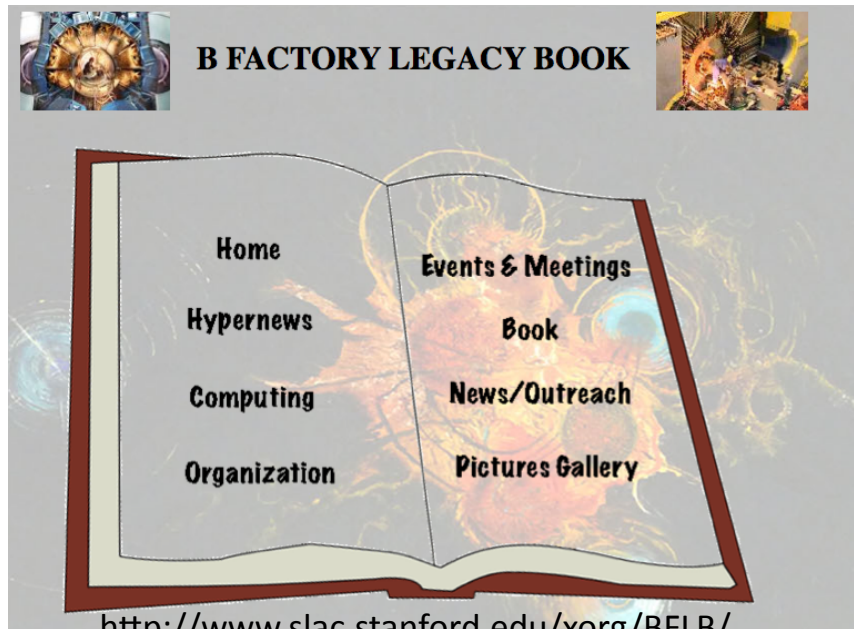
- We have contacted a number of publishers to discuss the prospect of publishing the Legacy Book.
  - Prime concern is to have an archive version + journal publication available.
  - Several very positive responses have come back so far.
  - The process of building mutual understanding between us and the publishers is continuing.
  - We hope to be able to resolve the issue of where the book will be published soon.
  - Options still on the table include:
    - World Scientific
    - Eur. Phys. J. C / Springer
    - J. Phys. G

# Computing

- SLAC has volunteered to provide the Legacy Book Project computing requirements.

See Homer Neal's presentation

- Account authorisation
- Website
- L<sup>A</sup>T<sub>E</sub>X source will be available from an SVN repository
- Hypernews (fora for mailing list-like communication)



<http://www.slac.stanford.edu/xorg/BFLB/>

Thanks to:

- Sarodia for making the Legacy Book Web Page.
- Charlotte and SLAC computing for setting up the Hypernews.
- Homer for helping out in numerous ways.
- Francois for the artwork.



# Funding

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- We have built an international network of scientists for the goal of producing the definitive treatise of the B-Factory results.
  - We are trying to establish funding to help people participate in these meetings, in order to ensure that our end goal is worth of the efforts of the physics community over the past decade.
  - Some countries have local funding for individuals.
  - Looking for available bilateral collaboration funds from Japanese Society for the Promotion of Science (JSPS).
  - Recently submitted a proposal to ESF to this end.
    - Will know the outcome of that proposal mid 2010.
  - Limited support available at SLAC for US participants to travel to KEK.
    - Contact us if you're interested in this!

# Timetable: Today

Friday 30 October 2009

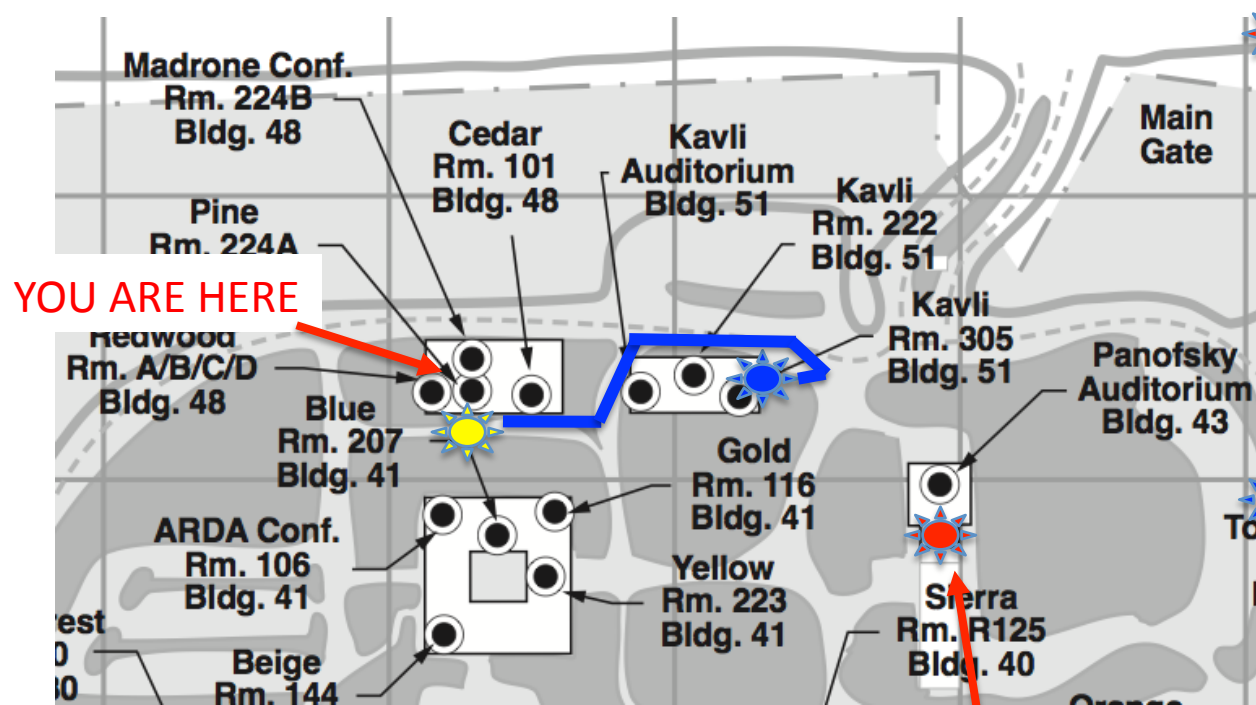
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08:00	REGISTRATION (1h00')	
09:00	📄📄📄 Welcome (10')	
<b>09:00-&gt;10:30</b> 📄📄📄 <b>Presentation</b>		
09:10	📄📄📄 Status of the project/Aim of the meeting/Funding/Timing (20')	A.BEVAN
09:30	📄📄📄 Recruitment update (20')	B.GOLOB
09:50	📄📄📄 Computing update (20')	H.NEAL
10:10	📄📄📄 Strawman draft : Table of contents to talk through (10')	B.YABSLEY
10:20	📄📄📄 Aim of the rest of the meeting (10')	S.PRELL
10:30	Coffee Break (30')	
11:00	📄📄📄 Session 1 (1h30') (Redwood Conference room A) Conference call : 510-665-5437 Passcode : 5698	
<b>11:00-&gt;12:30</b> 📄📄📄 <b>Breakout sessions for section editors to discuss their remit</b>		
12:30	Lunch (1h30')	
14:00	📄📄📄 Parallel sessions to have areas being discussed in context to identify inter-relating issues (2h00')	
16:00	Coffee Break (30')	
16:30	📄📄📄 Style Guide (1h30')	B.YABSLEY
18:30	📄📄📄 Social Event (2h00')	

Phone connections are available for all sessions:  
See the agenda for details!


See Sören Prell's  
presentation for  
the details of  
these sessions


# Timetable: Today




YOU ARE HERE

SLAC CAFETERIA  
IS HERE

 **Lunch:** The SLAC cafeteria serves lunch during this period. If you don't know where this is, please ask one of the locals for directions across the quad to the cafe.



 **Coffee Breaks:** these take place in the Kavli Building (with the Vxb workshop)

 **Social Event:** takes place on the patio outside this meeting room. There is a fee of \$10 on the door to cover the cost of the event.




# Timetable: Tomorrow




**Saturday 31 October 2009**

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09:00->10:30    **Section editors to summarize their views on the sections and how they should be related to the rest of the book**




09:00    Parallel strand 1 (1h30')




09:00    Parallel strand 2 (1h30')

09:00    Parallel strand 3 (1h30')

10:30 Coffee Break (30')

11:00    Summary of the reports from the three breakout sessions (1h10')

12:10    Meeting Summary (15')

12:25    Announcement of the next meeting (05')

M.NAKAO

Lunch: **The cafeteria is closed on weekends.**

So we have arranged for a buffet lunch to be provided (cost \$15). See Sarodia at the registration desk asap if you want to arrange for lunch tomorrow.

***Penne Pasta with Roasted Red Pepper Sauce, Olives. Parmesan and Basil  
Zucchini, Tomato and Eggplant Gratin  
Romaine Hearts with Sherry Vinaigrette  
Artisan Bread and Sweet Butter  
Valrhona Chocolate Cupcakes with Dried Cherries***

# Final remarks

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- It is a pleasure to see so many people here at SLAC for this purpose!
- Please use your time here to discuss among yourselves, and with us on any aspect of the project.
- Breaks in this meeting are scheduled to coincide with the  $V_{xb}$  workshop, so we can continue our interactions with those of us who will be participating in both meetings.
- We hope you enjoy the rest of this meeting.