

LINAC16 – 1st Scientific Program Committee meeting

MSU, December 15-16, 2015

A. Facco SPC Chair





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LINAC16 SPC - Guidelines

- The LINAC conference has shown until now a very successful organizational scheme
- The last editions have shown a very good blend between high quality of the technical content, large amount of contributions and high enjoyability of the program for participants
- The SPC main guideline for the 2016 edition is trying to preserve this good equilibrium and make only the adjustments which are required by evolution of the scientific scenario
- In general, no major change in the SP structure is planned
- I thank Frank Gerick and Dan Berkovits, SPC chairs of Linac'14 and Linac'12 respectively, for giving me important information and material about their work for the previous two editions



Welcome and Logistics

- Welcome to the 1ST SPC meeting
- Folders:
 - Wireless Instructions-slide 4
 - Agenda
 - Working Group Assignments-slide 19
 - Shuttle Schedule
 - Local Map
 - Building Map
- Dinner will be held at the Hyatt Place Suites (2401 Showtime Drive, Lansing) in the Banquet Room
- Shuttles will pick up at the FRIB main entrance (see shuttle schedule)
- Instructions for FRIB tour
- Instructions for any needs contact Amy McCausey



Today Agenda

201512 LINAC16 Scientific Program Committee (SPC-1) Meeting Facility for Rare Isotope Beams (FRIB) 15-16 December 2015

AGENDA (Updated on December 9, 2015)

Start Duration Agenda Item

Discussion Leader

Tuesday, 15 December 2015 plenary session - 1221A&B Conference Room

| 8:45 AM 1:15 Logistics, Conference status, Charge, workplan, WG formation A. Facco 10:00 AM 0:30 Break - Committee Photo (Atrium) outside 1221 A/B 10:30 AM Split into four working groups WG1: Electron Accelerators and Applications - Executive Conference Room WG2: Proton and Ion Accelerators and Applications - 3129 Conference Room WG3: Technology - 1221B Conference Room WG4: Beam Dynamics, Extreme Beams, Sources & Beam Related Technology - 1221A Conference Room 10:30 AM 2:00 |
|--|
| 10:30 AM Split into four working groups WG1: Electron Accelerators and Applications - Executive Conference Room WG2: Proton and Ion Accelerators and Applications - 3129 Conference Room WG3: Technology - 1221B Conference Room WG4: Beam Dynamics, Extreme Beams, Sources & Beam Related Technology - 1221A Conference Room |
| WG1: Electron Accelerators and Applications - Executive Conference Room WG2: Proton and Ion Accelerators and Applications - 3129 Conference Room WG3: Technology - 1221B Conference Room WG4: Beam Dynamics, Extreme Beams, Sources & Beam Related Technology - 1221A Conference Room |
| WG2: Proton and Ion Accelerators and Applications - 3129 Conference Room WG3: Technology - 1221B Conference Room WG4: Beam Dynamics, Extreme Beams, Sources & Beam Related Technology - 1221A Conference Room |
| WG3: Technology - 1221B Conference Room WG4: Beam Dynamics, Extreme Beams, Sources & Beam Related Technology - 1221A Conference Room |
| WG4: Beam Dynamics, Extreme Beams, Sources & Beam Related Technology - 1221A Conference Room |
| |
| 10:30 AM 2:00 Working groups: 1st selection of proposals |
| |
| 12:30 PM 1:00 Lunch - on own MSU Shaw Dining Hall |
| 1:30 PM 1:30 Working groups: 2nd selection of proposals |
| 3:00 PM 0:30 Break outside 1221 A/B |
| Reconvene as group in 1221 A&B |
| 3:30 PM 1:30 Plenary session: progress reports of WG chairs |
| 5:00 PM Adjourn |
| 5:10 PM Bus to Hyatt Meet at FRIB Lobby |
| 6:00 PM 2:00 Dinner Hyatt Place Banquet Room |



Tomorrow Agenda

Wednesday, 16 December 2015 Plenary session - 1221A&B Conference Room

| enary session | - 1771/160 | D Conference Room | |
|---------------|------------|---|---|
| 8:30 AM | 0:30 | Charge for day 2 | A. Facco |
| | | Split into four working groups | |
| | | WG1: Electron Accelerators and Applications - Execu | tive Conference Room |
| | | WG2: Proton and Ion Accelerators and Applications - | 3129 Conference Room |
| | | WG3: Technology - 1221B Conference Room | |
| | | WG4: Beam Dynamics, Extreme Beams, Sources & Be | am Related Technology - 1221A Conference Room |
| 9:00 AM | 1:30 | Working groups: 3rd selection of proposals | |
| 10:30 AM | 0:30 | Break | outside 1221 A/B |
| 11:00 AM | 0:00 | Reconvene as group in 1221 A&B | |
| 11:00 AM | 1:30 | Plenary session: synthesis and balancing | 1221 A/B |
| 12:30 PM | 1:00 | Lunch - on own | MSU Shaw Dining Hall |
| 1:30 PM | 1:30 | Plenary session: meeting conclusions, SPC2 preparatio | n |
| 3:00 PM | 0:30 | Break | outside 1221 A/B |
| 3:30 PM | 2:00 | FRIB Tour | |
| 5:30 PM | | Adjourn | |
| 5:30 PM | | Bus to Hyatt | Meet at FRIB Lobby |
| | | | |



LINAC16 SPC Meeting Wireless Instructions

A Guide To Using MSU's Wireless Network At The NSCL-FRIB

The wireless access at the NSCL is provided by Michigan State University. There are two separate wireless networks to choose from: *MSUNet Wireless Guest and MSUNet Wireless*.

If you do not have a MSU NetID (Guests) – select MSUNet Wireless Guest

- · Make sure your computer's wireless internet is turned on.
- From your computer's wireless connection manager, select MSUNet Wireless Guest as your network. Once it has connected, open your web browser.
- The web browser should automatically display a page from MSU asking you to agree to the terms of use. Select the "I Agree" button. You should now be connected.
- Note: Guest Wireless has slower download speeds

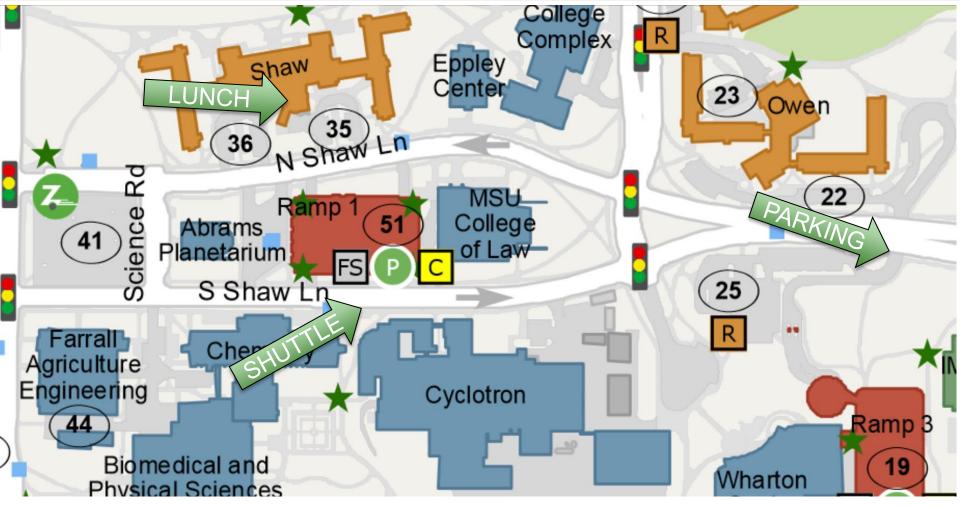
If you have a MSU NetID (MSU staff/students) - select MSUNet Wireless

- · Make sure your computer's wireless internet is turned on.
- From your computer's wireless connection manager, select MSUNet Wireless as your network. Once it has connected, open your web browser.
- The web browser should automatically display a page from MSU prompting you to enter your NetID and password. Fill in those fields and select the continue button. You should now be connected.
- Note: A MSU NetID is the first part of your MSU Email Address

Questions?

Please contact the NSCL help room at extension 407 with any questions you may have.

LINAC16 SPC Meeting Campus Map

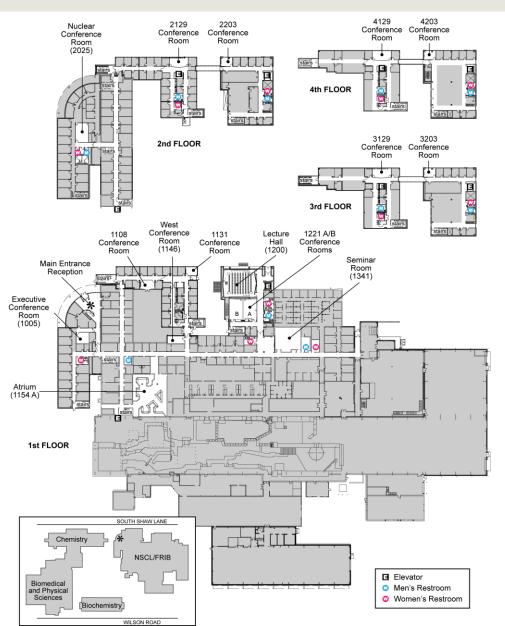


Full Campus Map: <u>http://maps.msu.edu/__public/pdfs/MSU_main_campus.pdf</u>

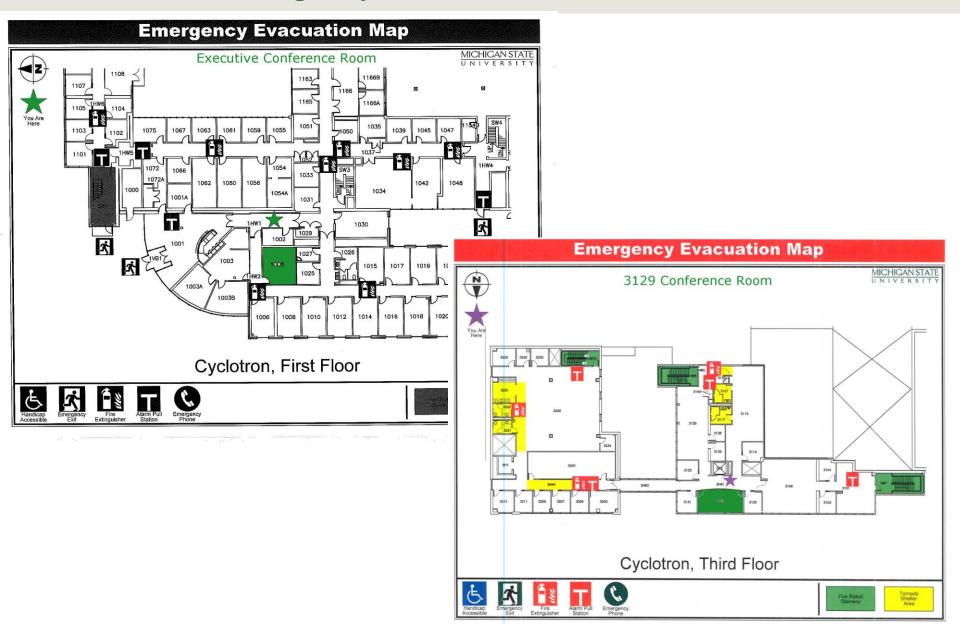


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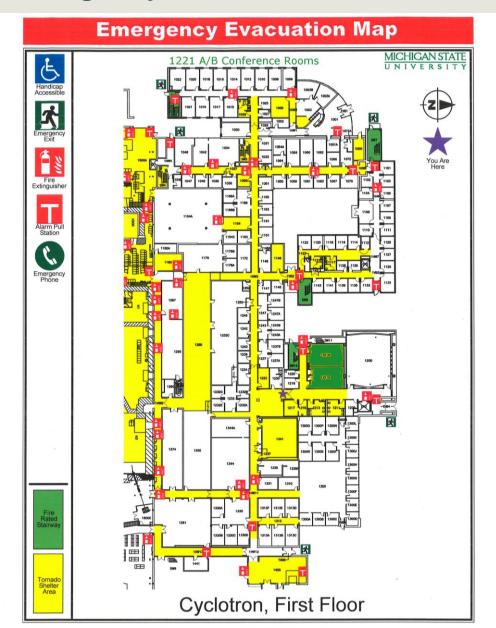
LINAC16 SPC Meeting Building Map



LINAC16 SPC Meeting Emergency Evacuation-WG-1 & WG-2



LINAC16 SPC Meeting Emergency Evacuation-WG-3 & WG-4



SPC1 Meeting Goals

- Finalizing the program structure
- Selecting the invited talks (all but 5) and their speakers
- Achieve good balance among:
 - Talks classifications (depending on proposals received, aiming at fulfilling the LINAC conference main subjects)
 - Countries and regions (~continents)
 - Laboratories



Talks Classifications

| Main Classification | Sub-Classification |
|---|---|
| | |
| | 1A Electron linac projects |
| | 1B Energy recovery linacs |
| | 1C Synchrotron light sources |
| 01 Electron Accelerators and Applications | 1D FELs |
| | 1E Colliders |
| | 1F Industrial and medical accelerators |
| | 1G Other electron accelerators |
| | 2A Proton linac projects |
| | 2B Ion linac projects |
| | 2C RFQs |
| 02 Proton and Ion Accelerators and Applications | 2D Room temperature structures |
| | 2E Superconducting structures |
| | 2F Industrial and medical accelerators |
| | 2G Other proton/ion |
| | 3A Superconducting RF |
| | 3B Room temperature RF |
| | 3C RF power sources and power couplers |
| | 3D Low level RF |
| 03 Technology | 3E Cryomodules and cryogenics |
| | 3F Insertion devices |
| | 3G Beam diagnostics |
| | 3H Industrial developments |
| | 3I Other technology |
| | 4A Beam Dynamics, beam simulations, beam transport |
| 04 Beam dynamics, extreme | 4B Electron and ion sources, guns, photo injectors, charge breeders |
| beams, sources and beam | 4C Plasma and wakefield acceleration |
| related technologies | 4D Control system |
| related technologies | 4E Industrial developments |
| | 4F Other beams |
| 05 Opening and Closing Sessions | 5A Opening session |
| | 5A Closing session |



Program Structure Definition

| 1 | vionday | Tues | day | Wedr | nesday | Thu | rsday | Fri | day | r . | | i | r . | i . | |
|----------------|-------------------------|--------------|-------------------|--------------|------------------|--------------|------------------------|--------------|---------------------------------------|-------------------------|--------|----|-------|----------|-------------|
| | Registration | 8:30 | 30 min | 8:30 | 20 min | 8:30 | 30 min | 8:30 | 20 min | category | length | n. | day | notes | More notes |
| | 0 | | | 8:50 | 20 min | | | 8:50 | 20 min | | | | | | |
| 9:00 9:30 | Welcome-OC Opening 1 | 9:00 9:30 | 30 min 20 min | 9:10 9:30 | 20 min 20 min | 9:00 9:30 | 30 min 20 min | 9:10 9:30 | 20 min 20 min | Welcome | 30′ | 1 | 1 | ос | |
| 5.50 | opening 1 | 9:50 | 20 min | 9:50 | 20 min | 9:50 | 20 min | 9:50 | 20 min | | | 1 | 5 | OC OC | |
| 10:00 | Opening 2 | 10:10 | 20 min | 10:10 | 20 min | 10:10 | 20 min | 10:10 | 20 min | Closing remarks | 30′ | 1 | 5 | 00 | |
| 40.00 | | 10.10 | 201111 | 10110 | Coffee break | | 20 1111 | 10110 | (upgr. Pos.) | Opening session talk | 30' | 2 | 1 | invited | |
| 10:30 11:00 | 30 min | 11:00 | 30 min | 11:00 | 20 min | 11:00 | 20 min | 11:00 | 30 min | Closing session talk | 30′ | 3 | 5 | invited | |
| | | | | 11:20 | 20 min | | | 11.00 | 50 mm | Electron accelerators | 30′ | 3 | (1-5) | invited | |
| 11:30 | 20 min | 11:30 | 20 min | 11:40 | 20 min | 11:20 | 20 min 20 min | 11:30 | Closing 1 | | | - | . , | | |
| 11:50 | 20 min | 11:50 | 20 min | 12:00 | 20 min | 11:40 | (upgr. Pos.) | 11.50 | Closing 1 | Proton/ion accelerators | 30′ | 3 | (1-5) | invited | |
| 12:10 | 20 min | 12:10 | 20 min | | | 12:00 | Student | 12:00 | Closing 2 | Electron accelerators | 20' | 7 | (1-5) | invited | Including 2 |
| 12:10 | 20 11111 | 12:10 | 20 11111 | | | 12.00 | poster | 12.00 | Closing 2 | Proton/ion accelerators | 20′ | 10 | (1-5) | invited | Including 3 |
| 12:30 | | Lunch break | | | | 12:30 | Lunch break | 12:30 | remarks | Technology | 20′ | 15 | (1-5) | invited | upgraded |
| 14:00 | 20 min | 14:00 | 20 min | | | 14:00 | 20 min | 13:00 | | Beam dynamics, sources | 20' | 8 | (1-5) | invited | Posters |
| 14:20 | 20 min | 14:20 | 20 min | | . | 14:20 | 20 min 20 min | | | | | 0 | . , | | |
| 14:40 | 20 min | 14:40 | 20 min | | Outing | 14:40 | 20 min (upgr. Pos.) | | | Student poster talk | 20' | 1 | 4 | selected | |
| 15:00 | Oral | 15:00 | Oral | | | 15:00 | Oral | | End FRIB Tour | Oral posters | 5' | 36 | 1,2,4 | selected | |
| | posters Poster | | posters Poster | | | | posters Poster | | ····· ··· ··· ··· ··· ··· ··· ··· ··· | Poster sessions | 2h | 3 | 1,2,4 | | |
| 16:00 | session | 16:00 | session | | | 16:00 | session | | | Student poster session | 5h | 1 | 0 | | |
| 18:00 | | 18:00 | | | | 18:00 | | | | | | 1 | 0 | | |

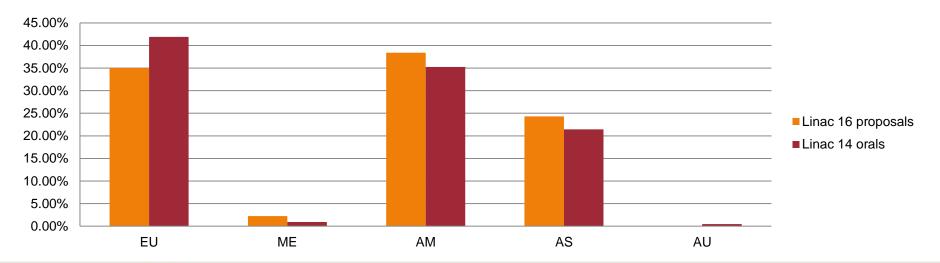
Linac14 final structure and talks distributions

- I started from the Linac14 scheme to define the Linac16 one, and I did a few small modifications to bring the goal distribution between the linac14 and linac12 ones, and closer to the proposals distribution
- The total time was kept the same
- We can do further modifications if useful



Proposals by Geographical Areas

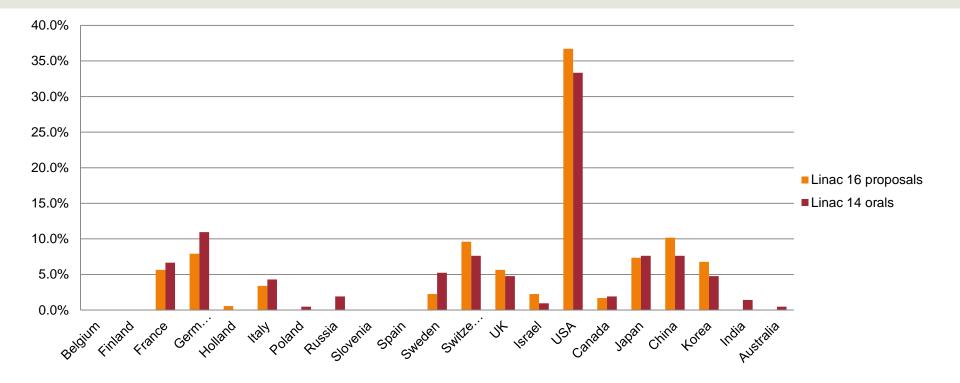
- N. 177 Proposals received for 13 Countries and 54 Labs
 - No proposals from Russia and India
 - 01 Electron Accelerators and Applications: n.47
 - 02 Proton and Ion Accelerators and Applications : n.56
 - 03 Technology : n.44
 - 04 Beam dynamics, sources, extreme beams : n.30
- By geographical areas: similar distribution as for LINAC14 invited program; more AM, AS and ME, less EU, no AU





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Proposals by Country (of the speaker's lab)

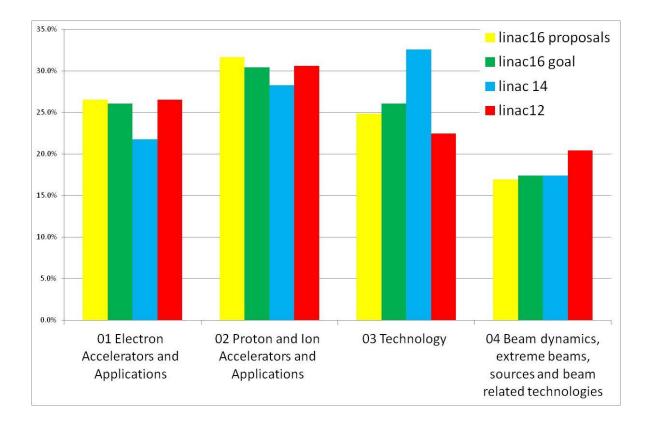


- No proposals for Russia, India, Australia, Belgium, Finland, Poland, Slovenia, Spain
- One proposal for Holland



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Uploaded Proposals and Linac16 Goals vs. Classifications



The goal distribution now lies between the Linac14 and Linac12 ones, tending to the distribution of the proposals uploaded by SPC/IOC



Linac16 Program Structure

- I have moved 2, 20' talk from 03-Technology to 01-Electrons and one from 03-Technology to 02-protons
- I have moved 1, 30' talk from 05-Closing to 03-Technology
- In 02-Technology I have transformed back three 20' talks to 2, 30' talks

| 1 | Monday | Т | uesday | Wednesday | | Т | hursday | Friday | |
|-------|--------------|----------|----------|-----------|--------------|-------|-------------|--------|-----------|
| | Pogistration | 8:30 | 30 min | 8:30 | 30 min | 8:30 | 30 min | 8:30 | 20 min |
| | Registration | 0.50 | 50 11111 | 8:50 | 50 11111 | 0.50 | 50 11111 | 8:50 | 20 min |
| 9:00 | Welcome | 9:00 | 30 min | 9:10 | 30 min | 9:00 | 30 min | 9:10 | 20 min |
| 9:30 | Opening 1 | 9:30 | 20 min | 9:30 | 20 min | 9:30 | 20 min | 9:30 | 20 min |
| 10:00 | Opening 2 | 9:50 | 20 min | 9:50 | 20 min | 9:50 | 20 min | 9:50 | 20 min |
| 10.00 | Opening 2 | 10:10 | 20 min | 10:10 | 20 min | 10:10 | 20 min | 10:10 | 20 min |
| 10:30 | | | | | Coffee break | | | | |
| 11:00 | 30 min | 11:00 | 30 min | 11:00 | 20 min | 11:00 | 20 min | 11:00 | 30 min |
| 11.00 | 50 1111 | 11.00 | 50 1111 | 11:20 | 20 min | 11.00 | 20 11111 | 11.00 | 30 11111 |
| 11:30 | 20 min | 11:30 | 20 min | 11:40 | 20 min | 11:20 | 20 min | 11:30 | Closing 1 |
| 11:50 | 20 min | 11:50 | 20 min | 12:00 | 20 min | 11:40 | 20 min | | |
| 12:10 | 20 min | 12:10 | 20 min | | | 12:00 | Student | 12:00 | Closing 2 |
| | | | | | | 12.00 | poster | | |
| 12:30 | | nch brea | | | | | Lunch break | | Closing |
| 14:00 | 20 min | 14:00 | 20 min | | | 14:00 | 20 min | 14:00 | |
| 14:20 | 20 min | 14:20 | 20 min | | | 14:20 | 20 min | 14:20 | |
| 14:40 | 20 min | 14:40 | 20 min | | Outing | 14:40 | 20 min | 14:40 | |
| 15:00 | Oral | 15:00 | Oral | | | 15:00 | Oral | 15:00 | End |
| 19.00 | posters | 10.00 | posters | | | 19.00 | posters | 13.00 | 2.70 |
| 16:00 | Poster | 16:00 | Poster | | | 16:00 | Poster | 16:00 | |
| | session | | session | | | | session | | |
| 18:00 | | 18:00 | | | | 18:00 | | 18:00 | |

Linac16 structure and talks distributionsPlanned: 13×30 min, 37×20 min



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Present Linac16 Talks Goals Summary

| Classification | Goal n. of talks | n. of 20' | Upgraded posters 20' | n. of 30' | Total time- min. | %talks | %time |
|--|---------------------|-----------|----------------------------|--------------|---------------------|--------|-------|
| 01 Electron Accelerators and Applications | 12 | 8 | 1 | 3 | 270 | 24.0 | |
| 02 Proton and Ion Accelerators and Applications | 14 | 10 | 1 | 3 | 310 | 28.0 | 27.4 |
| 03 Technology | 12 | 8 | 1 | 3 | 270 | 24.0 | 23.9 |
| 04 Beam dynamics, extreme beams, sources and beam related technologies | 8 | 7 | 1 | | 160 | 16.0 | 14.2 |
| 05 Opening and Closing Sessions | 4 | | | 4 | 120 | 8.0 | 10.6 |
| Total | 50 | 33 | 4 | 13 | 1130 | 100% | 100% |
| Student poster price winner | 1 | 1 | | | 20 | | |
| welcome and closing remarks | 2 | | | 2 | 60 | | |
| total incl. Opening and closing, student | 53 | 34 | 4 | 15 | 1210 | | |

 I chose to start with 4 upgraded posters (instead of 3), one per classification



Remarks on Talks Selection in SPC1

- We must choose all program talks except for the following 5:
 - 4 posters which will be upgraded to 20' invited (ideally 1 per classification) at the second SPC meeting, SPC2
 - one 20' talk which will be assigned to the student prize winner at the conference
 - (Welcome talk and closing remarks are assigned by default to the Organizing Committee)
- The total time of talks of 1130' at our disposal cannot be exceeded, but each WG can transform 3×20' talks in 2×30' talks and vice-versa, if they find it useful, ending with not more than 3×30' talks per classification
- WG are encouraged to point out talks as suitable candidates for opening and closing sessions



Students Program

- Special Poster Session for Students
 - Sunday, 25 September 2016. Posters from 4:00 pm to 6:30.pm
 - SPC judges will select winner poster and two more

 The quality of both the scientific work and the poster
 The professionalism of the interaction with the judges at the poster
 The promise for the future
 - We will need numerous SPC members to serve as judges
- Ist Prize

The winner will receive a cash prize of \$1,000 and will have the opportunity to give a twenty minute oral presentation within one of the plenary sessions of LINAC16.

2nd and 3rd Prizes Each winner will receive a cash prize of \$500.



Working Groups - updated

| Main Classification | Working group | | | |
|------------------------|--|--|--|--|
| | Convener: Yong Ho Chin (J) | | | |
| WG 1 Electrons | Members: Deepak Raparia (USA), Burt Graeme (UK), Richard York (USA), | | | |
| | Eric Colby (USA), Aaron Tremaine (USA) | | | |
| | Convener: Frank Gerigk (CH) | | | |
| | Members: Yan Zhang (USA), Alwin Schempp (D), Nikolay Solyak (USA), | | | |
| WG 2 Protons/lons | Milorad Popovich (USA) | | | |
| WG 2 Protons/ions | from remote: Peter Ostroumov (USA), Valentin Paramonov (RUS) | | | |
| | [not yet confirmed: Hongwei Zhao (PRC)] | | | |
| | | | | |
| | Convener: Dan Berkovits (IL)* | | | |
| WG 3 Technology | Members: Bob Laxdal (CAN), David McGinnis (UK), Walid Kaabi (F), | | | |
| | Vyacheslav Yakovlev (USA), Jean Delayen (USA) | | | |
| | Convener: Tim Maxwell (USA)* | | | |
| | Members: Lars Groening (D), Patrick Bertrand (F), Sasha Aleksandrov | | | |
| WG 4 dynamics and more | (USA), Kip Bishofberger (USA) | | | |
| | from remote: Cameron Geddes (USA) | | | |
| | | | | |

1st priority choice; 2nd priority choice; no choice expressed * changed from preliminary list

Criteria applied, when possible: i) working group chairs from 4 regions, ii) all working groups contain members of the 3 main regions*, iii) people of the same labs are in different working groups, iv) maximize the total priority choice



How Shall We Proceed

4 working groups

Day1

- 1st selection: WGs will clean list from duplications, repeated speakers and wrong classifications; point out possible talks for opening/closing talks; select first key talks from less represented countries
- 2nd selection: WGs identify priority 1 talks (all 30' ones and all but three, 20' ones), plus 5 priority 2, 20' talks (since one more 20' talk will come from upgraded posters, there will be 3, 20' talks in excess per WG to play with on day 2.) (possible opening/closing talks can stay in the list)
- 3. Plenary: 2nd selection merging, discussion on achieved balancing to guide day 2 work

Day 2

- 3rd selection: WGs to identify, out of the 20 priority 2, 20' talks, the 8 ones to be promoted to priority 1, having in mind balancing
- Plenary : synthesis, check balancing, discussions of 3rd selection; opening and closing talks identification



In Detail: Day 1, 10:30 1st Selection (2h)

- I will give each WG chairman a USB key with the proposals of his WG, in a format where repeated speakers are highlighted
- The WG must:
 - Set all priorities to 3
 - Identify talks with wrong classification: propose new classification, inform the involved WG convener and find his agreement, and inform me of the change.
 - Remove duplications and similarities by selecting one talk, or by merging them in one talk with a suitable title and chosing the speaker
 - Identify key talks from less represented countries. Set them to priority 1 or 2
 - Point out also talks which could be suitable candidates for opening and closing sessions
 - Remove talks already present in Linac14 &12 (unless related to significant evolution of an ongoing activity). Avoid repeated talks from SRF15 and IPAC15, unless of fundamental interest for LINAC. In that case, propose modification of the title to significantly update, enlarge or modify the scope



In Detail: Day 1, 1:30PM 2nd Selection (1h30')

Each WG must:

- 1. Identify "priority 1" talks of his classification:
 - a) All talks of 30' of the classification
 - b) All but 3 talks of 20'-see table (one of the talks will be left for the poster upgrade)
 - c) Decide possible changes of 3×20' in 2×30' talks or viceversa (max 3×30' final)
- 2. Identify 5 "priority 2" talks of 20'
- 3. All other talks will be set with priority \geq 3 and removed from the list
- Each classification will be left with 3 talks in excess, available for further selection and balancing with other WGs

| WG | 30' priority 1 | 20' priority 1 | 20' priority 2 | Total after 2 nd selection |
|-------------------|----------------|----------------|----------------|--|
| 01 Electrons | 3 | 6 | 5 | 14 |
| 02 Protons | 3 | 8 | 5 | 16 |
| 03 Technology | 3 | 6 | 5 | 14 |
| 04 Beam dynamics+ | 0 | 5 | 5 | 10 |

Working group n. of talks to be selected during day 1



In Detail: Day 1, 3:30PM 2nd Selection Plenary (1h30')

- 2nd selection merging and balancing
- The WG convener
 - will give me the result of the 2nd selection
 - Will give me the list of possible opening-closing talks
 - Will present the results of his WG in 15'
- The SPC chairman
 - Will present the achieved balancing of the WG selections
 - » Regions
 - » Countries
 - » Laboratories
 - » Sub-classifications
 - Will present the list of candidate opening/closing talks
- The results will be discussed and the actions to improve balancing in the next selection will be planned



In Detail: Day 2, 9:00AM 3rd Selection (1h30')

- 3rd selection in WGs to identify, out of the 20 talks with priority 2, the 8 ones to be promoted to priority 1 (ideally 2 per classification)
- The choice must be made taking into account and improving the balancing that was achieved in the 2nd selection, as discussed in the previous plenary

| WG | Total after 2 nd selection | 20' - priority 2 after 2° selection | 20' - priority 2 promoted to priority 1 | Total priority 1 after 3 rd selection |
|------------------|--|---|---|--|
| 01 Electrons | 14 | 5 | 2 | 11 |
| 02 Protons | 16 | 5 | 2 | 13 |
| 03 Technology | 14 | 5 | 2 | 11 |
| 04 Beam dynamics | 10 | 5 | 2 | 7 |

Working group n. of talks to be selected during day 2



In Detail: Day 2, 11:00AM 3rd Selection Plenary (1h30')

- 3rd selection merging and balancing
- Each WG convener
 - will give me the file with the 3rd selection
 - Will present the results of his WG in 15'
- The SPC chairman will present the achieved balancing, the results will be discussed and if necessary adjusted



In Detail: Day 2, 1:30PM Final Selection Plenary (1h30')

- The SPC chairman will show the list of Opening/Closing talks candidates and the list will be defined by voting
 - If one of the selected priority1 talks will be promoted to opening/closing, one of the priority 2 talks will be promoted to priority1 having in ming balancing
- The final invited program will be finalized (except for the 4 poster talks upgraded and for the student poster).

Working group n. of talks to be selected during day 2

| WG | Total after 2 nd selection | Total after 3 rd selection |
|------------|---------------------------------------|---------------------------------------|
| 05 Opening | List created | 2 |
| 05 Closing | List created | 2 |

The next meeting SPC2 will be planned



Summary Table WG Goals

| Goal of: | WG1 | WG4 | WG3 | WG4 | |
|--------------|---|---|---|---|--|
| 1° selection | Clean list, find op./clos., unrepresented countries talks | Clean list, find opening/closing unrepresented countries talks | Clean list, find opening/closing unrepresented countries talks | Clean list, find opening/closing unrepresented countries talks | |
| 2° selection | 3×30' priority 1 6×20' priority 1 5×20' priority 2 | 3×30' priority 1 8×20' priority 1 5×20' priority 2 | 3×30' priority 1 6×20' priority 1 5×20' priority 2 | 5×20' priority 1 5×20' priority 2 | |
| 3° selection | 5×20' proirity 2 \rightarrow 2×20' priority 1 per WG 4×30' Opening/closing | | | | |
| SPC2 | 1×20' | 1×20' | 1×20' | 1×20' | |



WG rooms

- WG1: Executive Conference room (1° floor)
- WG2: 3129 (3° floor-teleconference available)
- WG3: 1221B Lecture hall (1° floor)
- WG4: 1221A (1° floor-teleconference available)
- Plenary sessions in room 1221 A/B

