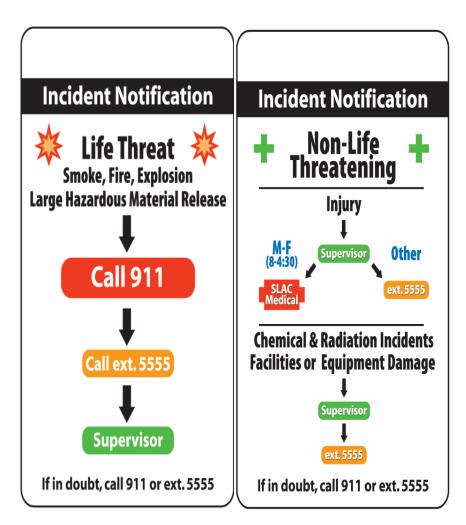
## In case of an emergency



#### **Fire**

- Evacuate. Be aware of building exits
- Follow building residents to the assembly area
- Do not leave until you are accounted for, and have been instructed to leave.

#### **Earthquake**

- Remain in building: Duck, cover, and hold position
- When shaking stops: Evacuate building via a safe route to the assembly area
- Do not leave until you are accounted for, and have been instructed to leave.





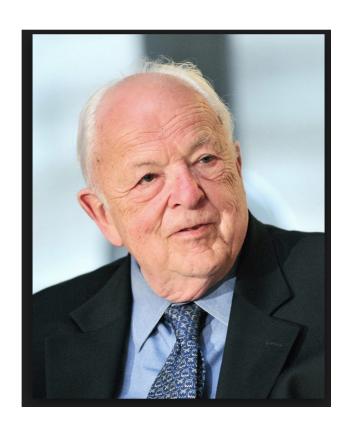
# Welcome to the 46<sup>th</sup> SLAC SUMMER INSTITUTE!



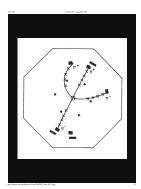




# SSI 2018 is dedicated to the memory of Burt Richter who passed away less than two weeks ago



Nobel Laureate 1976 and Director of SLAC 1984-99



# Hopefully everything you need to know is on the SSI webpage.. but let's go through a few things.....



#### SSI 2018 - SLAC Summer Institute 2018

**HOME** 

PROGRAM ≥

PAST SSI

REGISTRATION

**PARTICIPANTS** 

PRACTICAL INFORMATION ≥

**CONTACT US** 

QUICK LINKS

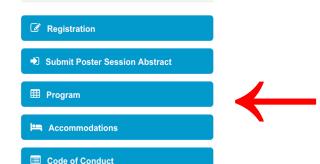


#### **46th SLAC SUMMER INSTITUTE**

#### Standard Model at 50: Successes and Challenges

Date: July 30 - Aug 10, 2018 Location: Kavli Auditorium, SLAC

The SLAC Summer Institute (SSI) is an annual two-week-long Summer School tradition since 1973. Lectures are given Monday through Friday each morning. The afternoons contain a mixture of special lectures, topical conference talks, discussion sessions, student projects and tours. In the evenings, there are social activities and student poster sessions. The attendance is typically a mixture from graduate students to postdocs, as well as senior researchers.

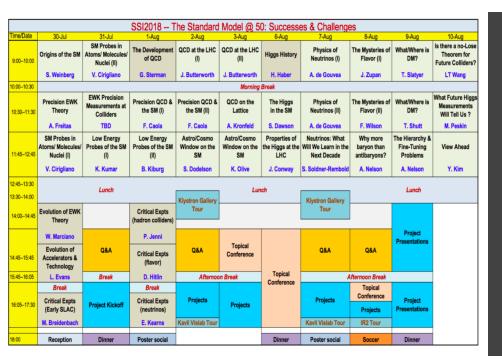


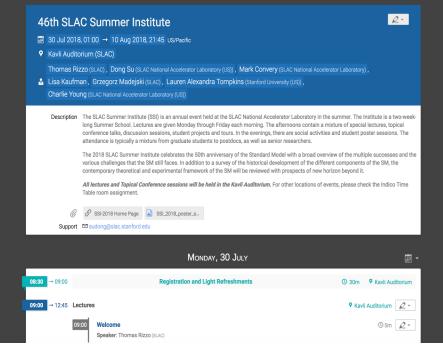
#### ANNOUNCEMENTS AND KEY DATES

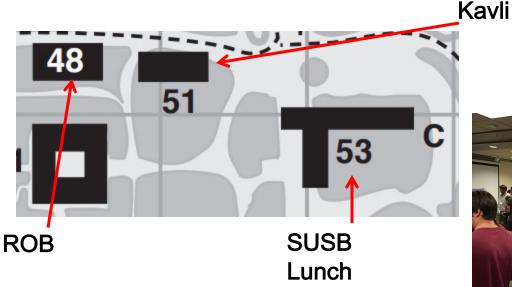
March/18	Registration opens
March/18	Application for travel support opens. Limited number of awards available for selected applicants to partially offset travel cost by waiving or reducing registration fee
March/18	Call for poster session abstracts
May/31	Deadline for travel support application
June/14	Stanford Guest House SSI room block allocation expires
	Farly registration fee rate ends

#### The schedule is available in 2 forms: a spreadsheet & in full detail on Indico

- The morning lectures & the afternoon talks will be here in the Kavli Auditorium (unless otherwise noted)
- The afternoon Q&A and the Project sessions: Redwood Rooms in ROB
- The reception & dinners : on the patio outside the ROB







 The poster session will be held in the ROB (on 8/1)





The Contest Question: Every year we ask the students to answer a broad-based question depending on the SSI subject. This year the question is:

"What experiment or set of experiments will demonstrably discover new physics beyond the SM & what will be the nature of the theory that replaces it?"

NB: the existence of DM or neutrino masses doesn't count!



Place your answers in the pink box (by 5PM 8/9) & a winner will be chosen during the last dinner (after wine).. the winner gets a bottle of fine CA bubbly

## **Q&A Sessions**



- These are intended for extensive questions so those during the lectures & immediately afterward should be kept short & to the point.. of course, other questions can also be addressed to the speakers directly during breaks
- Note that questions can also be submitted (anonymously) with GoogleDocs via a link on the SSI program webpage & will be addressed in the Q&A sessions

## Projects:





- Since 2013 we have incorporated projects conducted by teams of students into SSI
- We will provide a list of projects (to be posted later today or early tomorrow on the program webpage -- so keep your eyes open!) & you pick what looks interesting to you.. again, sign up by using GoogleDocs on the SSI website
- Teams form around a given project & try to address the questions
- Teams present their results on the final TH afternoon (8/9) & the best team wins prizes
- More details tomorrow afternoon @ ~4PM

### SSI 2018 T-Shirts are available for sale!

## Only \$15!

## (Correct Change Appreciated)





## Odds & Ends

- Sign up for tours on the SSI webpage (see schedule for times)
- Be aware of next week's soccer game between the SSI students
  & the SLAC team...sign up on the webpage to play or watch
- Check the SSI "Practical Information" page for info wrt ATMs, after hours access, Bay Area touring, etc.





## Group photo after the first lecture

