

UCLA

DM ATI 2018

UCLA Dark Matter Advanced Training Institute, February 2018

We invite applications by advanced graduate students working on any aspect of the dark matter problem to participate in the three-day Dark Matter Advanced Training Institute (DM ATI), February 18-20, 2018 and the three-day UCLA Dark Matter Conference (DM18), February 21-23, 2018, both at the UCLA campus. All trainees are expected to participate in the conference. Registration fees for trainees will be waived.

The major emphasis of the ATI will be fostering the interdisciplinary nature of the dark matter research. The trainees will benefit from hearing lectures by forefront researchers in their respected subfields of dark matter research, from participating in ample question and answer sessions with lecturers, participating in the Dark Matter 2018 Conference, and from exposure of their work in front of experts through poster sessions during the first day of the conference.

LECTURES AND LECTURERS

- * **Advances in theory of dark matter particles:** Kalliopi Petraki (NIKHEF, Amsterdam and Paris, LPTHE)
- * **Primordial Black Holes as part of the dark matter:** Anne Green (University of Nottingham, UK)
- * **Observations and simulations of structure formation in the Universe:** James Bullock (University of California, Irvine)
- * **Status and new directions in direct dark matter detection:** Matt Pyle (University of California, Berkeley)
- * **Dark matter searches at accelerators:** Marcela Carena (Fermilab and University of Chicago) - *tentative*
- * **Indirect dark matter detection:** Christoph Weniger (GRAPPA-Amsterdam)

FINANCIAL HELP FOR ATTENDEES

UCLA Dark Matter 2018 conference registration fees will be waived for all ATI attendees. Financial support for travel and accommodations will be available on a case-by-case basis for attendees.

APPLICATIONS

Please upload your letter of application and curriculum vitae including a description of your current research at the below ATI-2018 website. We will need at least one letter of recommendation from your advisor. Up to two additional letters written on your behalf can also be submitted.



For more information, please visit the event websites:

UCLA DM ATI <https://conferences.pa.ucla.edu/ATI-2018>

UCLA DM18 <https://conferences.pa.ucla.edu/dark-matter-2018>