

CPAD Workshop 2022

Stony Brook University, November 29 - December 02, 2022

CPAD Workshop 2022 will be hosted by the Stony Brook University in hybrid mode.

Welcome to CPAD 2022



Stony Brook
University



Center for Frontiers
in Nuclear Science

CPAD, the Coordinating Panel for Advanced Detectors, seeks to promote, coordinate and assist in the research and development of instrumentation and detectors for high energy physics experiments.

[FIND OUT MORE](#)

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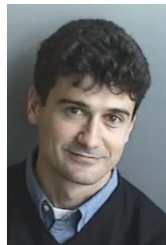
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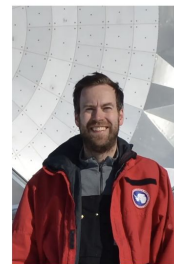
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COLLIDER/ILC/INSTRUMENTATION



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CALIFORNIA-
BERKELEY
QIS, AXIONS

CPAD Activities

GIRA Award

Instrumentation Award (-> *need more nominations*)

Annual CPAD Workshops

Providing input to SBIR process

Promoting instrumentation and detector development in HEP

Building community, raising awareness

CPAD Code of Conduct

It is the policy of the CPAD-2022 Workshop that all participants, including attendees, vendors, staff, volunteers, and all other stakeholders will conduct themselves in a professional manner that is welcoming to all participants and free from any form of discrimination, harassment, or retaliation. Participants will treat each other with respect and consideration to create a collegial, inclusive, and professional environment at the conference. Creating a supportive environment to enable scientific discourse is the responsibility of all participants.

Participants will avoid any inappropriate actions or statements based on individual characteristics such as age, race, ethnicity, sexual orientation, gender identity, gender expression, marital status, nationality, political affiliation, ability status, educational background, or any other characteristic protected by law. Disruptive or harassing behavior of any kind will not be tolerated. Harassment includes but is not limited to inappropriate or intimidating behavior and language, unwelcome jokes or comments, unwanted touching or attention, offensive images, photography without permission, and stalking.

Violations of this code of conduct policy should be reported to the organizers. Sanctions may range from verbal warning, to ejection from the meeting without refund, to notifying appropriate authorities. Retaliation for complaints of inappropriate conduct will not be tolerated. If a participant observes inappropriate comments or actions and personal intervention seems appropriate and safe, they should be considerate of all parties before intervening.

(Taken from the APS code of conduct)

Contact:

Petra Merkel
Klaus Dehmelt
Prakhar Garg
KMH

Workshop Highlights

Plenary Talks

Parallel Talks

Reception

Early Career Plenary

Townhall with Agencies

Prize Winner Session

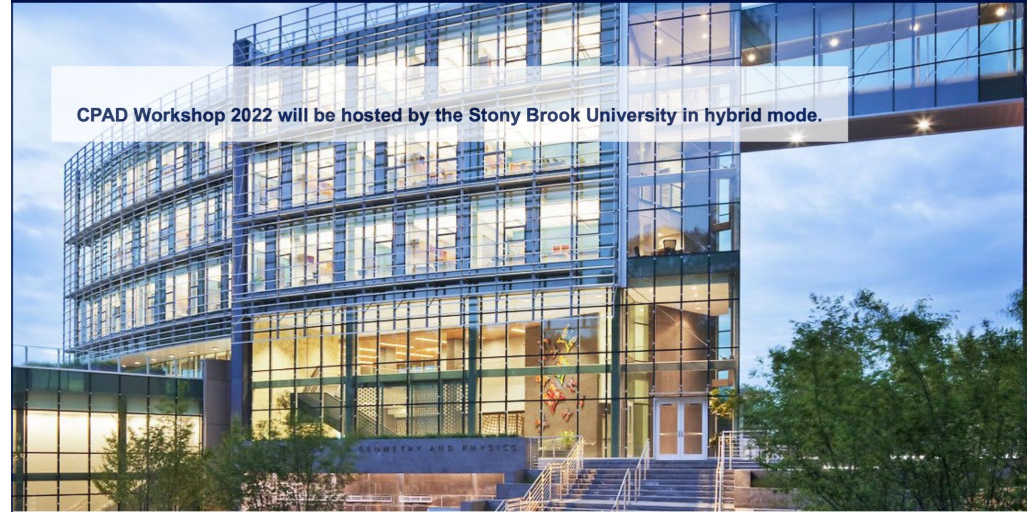
Roundtable Discussion

Workshop Dinner

Summary Talks

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Received many early career contributions!

Working Groups & Conveners

WG1: Solid State Detectors and ASICs

Conveners:

Gabriella Carini (carini@bnl.gov)
Ulich Heintz (Ulrich_Heintz@brown.edu)
Xuan Li (xuanli@lanl.gov)

WG2: Calorimetry

Conveners:

Friederike Bock (bockf@ornl.gov)
Adi Bornheim (bornheim@caltech.edu)
Minfang Yeh (yeh@bnl.gov)

WG3: Noble Element Detectors

Conveners:

Elena Gramellini (elenag@fnal.gov)
Scott Hertel (shertel@umass.edu)
Chris Stanford (cstanford@g.harvard.edu)

WG4: Quantum and Superconducting Detectors

Conveners:

Julian Martinez-Rincon (jmartinez1@bnl.gov)
Cristian Pena (cmorgoth@fnal.gov)
Mike Jewell (Michael.Jewell@yale.edu)

WG5: MPGDs

Conveners:

Kevin Black (kblack@hep.wisc.edu)
Prakhar Garg (prakhar.garg@stonybrook.edu)
Matt Posik (posik@temple.edu)

WG6: TDAQ and AI/ML

Conveners:

Sasha Paramonov (alexander.paramonov@cern.ch)
Xin Qian (xqian@bnl.gov)
Mike Williams (mwill@mit.edu)

WG7: Photon Detectors (incl. CCDs)

Conveners:

Flavio Cavanna (cavanna@fnal.gov)
Yordanka Ilieva (jordanka@physics.sc.edu)
Nepomuk Otte (otte@gatech.edu)

WG8: Cross Cutting Topics

Petra Merkel

Some Logistics for Hybrid Meeting

- Post slides in advance
- Use the microphone for questions and discussions
- Monitor the Zoom chat for questions
- Ask Zoom audience for questions
- Please email/text if you cannot connect, have Zoom issues, or any other questions
 - cpad2022@stonybrook.edu

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Enjoy CPAD 2022!



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