

Snowmass Early Career Instrumentation Frontier Group Introduction

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on behalf of the SEC-IF Liaison Group
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Electronics/ASICs Flashtalks Workshop



Current Leadership and Liaisons

- Current leadership group (email, slack handle):
 - Jacob Zettlemoyer (jzettle@fnal.gov, @Jacob Zettlemoyer)
 - Katherine Dunne (katherine.dunne@fysik.su.se, @Katherine Dunne)
 - Stephen Butalla (sbutalla2012@my.fit.edu, @Stephen Butalla)
- Current topical group liaison:
 - Stephen Butalla

Our Charge

- Serve as liaisons between the topical group conveners/members and the early career membership at large
 - Integrate members into the various topical groups
- Advance the initiatives of early career members in instrumentation and physics at large
- Encourage participation of early career members in the Snowmass process
 - Understanding of the Snowmass process
- Share early career members input at convener/topical group meetings
- Liaisons for a topical group charged to attend topical group meetings and report back to the early career membership

Current SEC-IF Initiatives

- We have been tasked with creating a set of initiatives corresponding to physics education/development, diversity and inclusion, and applications to industry
- At two recent meetings (minutes located [here](#) and [here](#)), we brainstormed some initial initiatives:
 - Availability and need of instrumentation focused fellowships in HEP
 - Internship possibilities for those interested in a career in industry
 - Providing opportunities for students who don't have access to experimental infrastructure at national labs or large research universities
 - I.e., Community and small colleges, universities
 - Connect expertise/need in instrumentation across the different frontiers to help people who switch fields/frontiers
 - Providing more education opportunities for hardware work (similar to an analysis school/workshop)
 - Finding ways to implement instrumentation related work into K-12 curricula
- Determine the best path for early career members to share input
 - Current method is a google form [here](#)

- Our mailing list is `sec-instrumentation-coordination@listserv.fnal.gov`
- Our Slack channel is `#early-career-instrumentation`
- The SEC-IF group will meet once a month or more if needed
- All future announcements for upcoming SEC-IF meetings will be posted in the appropriate Slack channels and also distributed via email

Backup

SEC-IF Topical Group Liaisons

TEAM ROSTER

Topical Group	Liaison(s)
IF01: Quantum Sensors	Katherine Dunne, Nathan Woollett (woollett2@llnl.gov)
IF02: Photon Detectors	Katherine Dunne, Nathan Woollett
IF03: Solid State Detectors and Tracking	Vallary Bhopatkar (vallary.bhopatkar@gmail.com), Oskar Hartbrich (ohartbri@hawaii.edu) Valentina Cairo (vcairo@slac.stanford.edu)
IF04: Trigger and DAQ	Brendan Regnery (brendan.regnery@cern.ch), George Iakovidis (giakovidis@bnl.gov)
IF05: Micro Pattern Gas Detectors	Vallary Bhopatkar, Stephen Butalla
IF06: Calorimetry	Jacob Zettlemoyer, Oskar Hartbrich
IF07: Electronics/ASICs	Stephen Butalla
IF08: Noble Elements	Scott Kravitz (swkravitz@lbl.gov), Jacob Zettlemoyer
IF09: Cross Cutting Systems and Integration	Katherine Dunne, Stephen Butalla