

# Report from Early Career Researcher Panel

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111th Plenary ECFA meeting, November 17th, 2022, CERN

## **Mandate of ECFA ECR Panel (endorsed on July 13th, 2020)**

from <https://ecfa.web.cern.ch/mandate-ecfa-early-career-researcher-panel> :

*The objective of the ECFA Early-Career Researcher (ECR) Panel is for its members to discuss all aspects that contribute in a broad sense to the future of the research field of particle physics. In its advisory role to ECFA, the panel reports to ECFA on a regular basis. ...*

**Need for ECFA ECR Panel was one of conclusions of ECR Debate on the 2020 European Strategy Update for Particle Physics** [arXiv:hep-ex/2002.02837](https://arxiv.org/abs/hep-ex/2002.02837)

## Composition of ECFA ECR panel:

- 75 delegates (see <https://ecfa.web.cern.ch/ecfa-early-career-researchers-panel/>)
  - nominally 3 delegates from CERN and each ECFA country
  - delegates in various stages of career development  
(from Ph. D. students to young assistant professors)
  - experimentalists, phenomenologists and theoreticians  
(all coming from various fields of high energy physics)
- 5 PECFA Observers including 1 RECFA delegate
- Organization Committee (6 members)
- Ad-hoc committees (like Searching Committee for P/RECFA Observers)
- Working groups

## The panel adopted the following model for ECFA ECR meetings:

- 3-4 meetings per year:
  - in January (to review and plan for the year) January 26th, 2022
  - in May / June (ahead of PECFA meeting in July) June 14th, 2022
  - in September (ahead of PECFA meeting in November, can be extended to (in-person) workshop) Sep. 26th, 2022
  - in October (only if needed) none in 2022
- Meetings are handled by the Organization Committee

**More meetings took place in the first year of panel's existence to fix organisational issues**

### **The mandate of 65 ECRs (out of 75) ends this year**

- Not all ECRs want and/or are eligible to stay for the second term
- To assess situation the Organisation Committee ran a survey

### **Decisions how to proceed in the transition phase**

- People who finish their mandate in December 2022 will remain on the panel mailing list in January 2023, and can attend the January full-panel meeting, but will be observers rather than voting members.
- Current Organisation Committee will organise the January meeting.
- Selection of the new Organisation Committee members and P/RECFA Observers will be left to the new panel.

**Purpose of the group:** *to establish new networking opportunities, often missing according to ECFA ECR Detector R&D Roadmap survey ([arXiv:physics.ins-det/2107.05739](https://arxiv.org/abs/physics.ins-det/2107.05739))*

**Recent activities:**

- Early-Career Instrumentation forum organised (October 26th, 2022)
- Armin Ilg ([armin.ilg@cern.ch](mailto:armin.ilg@cern.ch)) appointed as Panel's representative to ECFA R&D Task Force 9 (Training)
- Collection of Schools for ECRs in Particle Physics Instrumentation <https://early-career-instrumentation.web.cern.ch>

# Early-Career Instrumentation Forum

A panel discussion & networking event for early career researchers and engineers in instrumentation

## Our Panelists



Erika Garutti  
Univ. Hamburg



Susanne Kuehn  
CERN



Niklaus Lehmann  
DECTRIS Ltd

Organized by the ECFA  
Early-Career Researcher Panel  
Instrumentation Working Group

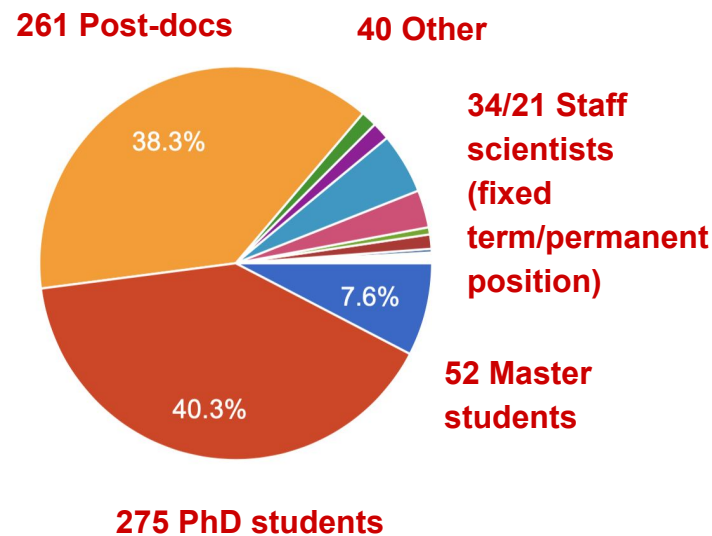
October 26th, 2022  
15:00-17:00 CEST  
Online:  
<https://indi.to/ecinf>



**Purpose of the group:** *to promote diversity in experimental programmes and to recognise problems regarding life of ECRs in small scientific communities, to discuss all important aspects of ECR career development*

### Recent activities:

- WGs joint the effort to create a survey assessing situation of ECRs
- Structure of the survey:
  - General data
  - Field of work
  - Collaboration and working group
  - Diversity of Physics
  - Career perspective and planning
  - Work-life balance
  - Leaving academia
  - Recognition and visibility
  - Final questions, feedback and remarks
- Survey distributed via all available channels (**683 responses!**)
- Short version of the survey dedicated for PECFA national representatives (9 responses)
- Results are being analysed by a dedicated task force



**Purpose of the group:** *to raise awareness of EIC physics and to mutually benefit from a synergy with other ECRs working on accepted/foreseen EIC projects*

### **Recent activities:**

- this WG mainly serves as a contact point with ECRs involved in EIC projects
- members of this WG joint JENAA activity “Synergies between the Electron-Ion Collider and the Large Hadron Collider” (<https://www.nupecc.org/jenaa>)



See the latest issue of ECFA newsletter for a comprehensive description of the panel and its activities.

# 9<sup>th</sup> ECFA Newsletter



## Early-Career Researchers Panel

*by the ECFA Early-Career Researchers Panel*

The ECFA Early-Career Researchers (ECR) panel is now in its second year, and activities have shifted from defining the panel's structure to pursuing topics of relevance for the ECR community. The panel's day-to-day activities are conducted within working groups composed of all interested panel members, while the full panel comes together for three annual meetings: one at the start of the year to plan the next steps and one before each of the two annual Plenary ECFA meetings to prepare any necessary input for those events.

The instrumentation working group, which put together a report on ECR perspectives on training in instrumentation last year [link], presented an overview of the report at the 15th Pisa Meeting on Advanced Detectors [link] and has started to work towards addressing some of the previously identified challenges; this includes creating a new website covering schools of relevance to ECRs working in instrumentation [link] and improving networking opportunities in instrumentation. The electron-ion collider working group actively participated in the "Synergies between the Electron-Ion Collider and the Large Hadron Collider experiments" kick-off meeting [link]. The diversity-in-physics-programme working group and the career prospects working group teamed up to produce a common survey, which covered a wide variety of topics of relevance to ECRs working in different areas under the ECFA umbrella; this survey will soon be distributed beyond the panel in order to gather input from the broader community. Finally, the whole ECR panel was represented in the 2nd Joint ECFA-NuPECC-APPEC seminar ([JENAS](#)) in Madrid, the aim of which was to highlight recent achievements and common challenges in the fields of particle, nuclear and astroparticle physics.

The panel has also worked to ensure that ECR input is provided on evolving situations that impact the high-energy community. Following a discussion at the June panel meeting, panel members were polled to gain a preliminary understanding of the ECR perspective on possible responses by the CERN Council to the ongoing war in Ukraine. The panel compiled a letter summarising the results, which represented the views of a diverse set of ECRs, and sent it to Plenary ECFA and the CERN Council shortly before the June 2022 CERN Council meeting.

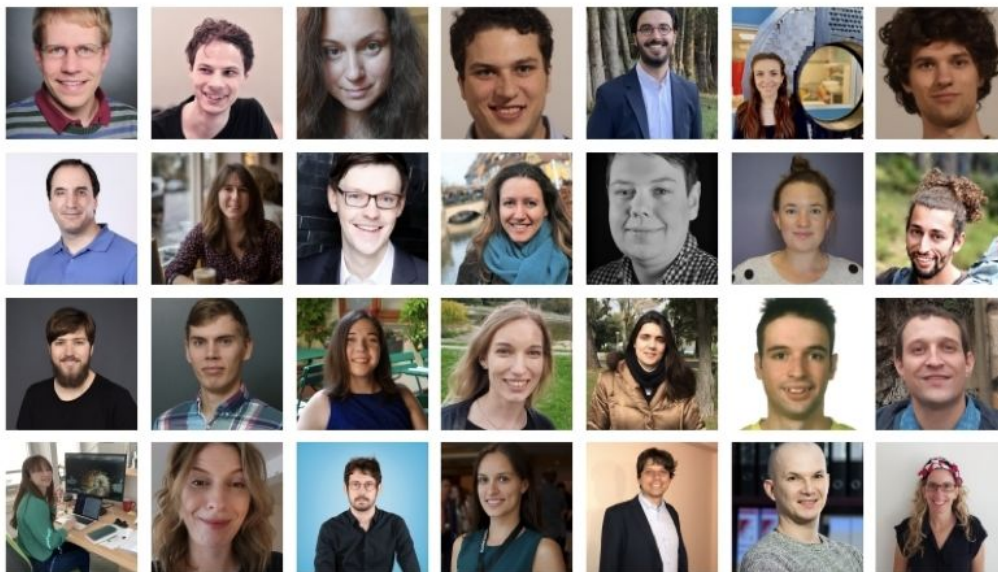
As the panel continues to expand in new directions, there has been growing interest in staying informed of the panel's latest activities. To this end, a new mailing list has been created: [ecfa-ecr-announcements@cern.ch](mailto:ecfa-ecr-announcements@cern.ch). Anyone interested in receiving announcements from the panel is encouraged to sign up to this list.

**The panel prepares End-of-year Report, with the following outline (preliminary):**

- Executive summary
- Panel structure
  - ECR panel membership
  - Observers to plenary and restricted ECFA (PECFA and RECFA)
  - Organisation committee
  - Working groups
- Working group updates
  - One section per working group
- Community interactions and feedback
- Future plans
- Conclusion/summary

Do not hesitate to contact us to get ECR's perspective on any subject

[ecfa-ecr-organisers@cern.ch](mailto:ecfa-ecr-organisers@cern.ch)



*A selection of pictures of ECFA Early Career Researcher panel members*