



The Inaugural ICFA Instrumentation Awards



<https://icfa.hep.net>

ICFA, the International Committee for Future Accelerators,

was created to facilitate international collaboration in the construction and use of accelerators for high energy physics. It was created in 1976 by the International Union of Pure and Applied Physics. Its purposes, as stated in 1985, are as follows:

- To promote international collaboration in all phases of the construction and exploitation of very high energy accelerators.
- To organize regularly world-inclusive meetings for the exchange of information on future plans for regional facilities and for the formulation of advice on joint studies and uses.

- ICFA has 7 sub-panels

Membership

Current members:

S. Henderson, Chair, USA

T. Schoerner-Sadenius, Secretary, Germany

K. Jakobs, CERN Member States

F. Gianotti, CERN Member States

T. Behnke, CERN Member States

N. Lockyer, USA

J. Incandela, USA

Z. Huang, USA

I. Koop, Russia

V. Obraztsov, Russia

Y. Wang, China

G. Taylor, Other Countries (Past Chair)

I. Bediaga, Other Countries

S. Krishnagopal, Other Countries

T. Mori, Japan

M. Yamauchi, Japan

M. Roney, Canada

H. Schellman, Chair of the IUPAP Commission on Accelerators

ICFA Instrumentation, Innovation and Development Panel

Mission: The ICFA-IID stimulates world inclusive involvement in the innovation and development of new instrumentation for experiments at future accelerators, & for non-accelerator experiments

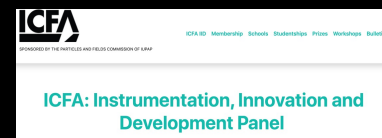
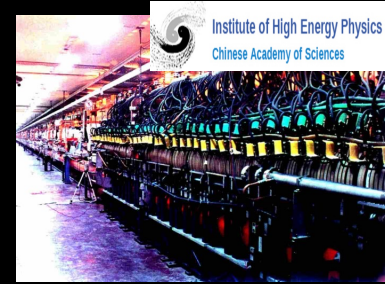
Excellence in Detector Instrumentation Technology (EDIT) School (held at major labs) Next Editions: two in 2023 IHEP Beijing & in the US Status: advanced planning stage.

ICFA Instrumentation School (held in less developed nations) XVI edition delayed by the pandemic to March 2023 TIFR Mumbai. Status: advanced planning stage.

Instrumentation Awards It is important to recognize the achievements of our colleagues. There are relatively few specific awards for instrumentation in our community. Awards created July, 2021 (one senior, one early career) aim for first awardees in 2022.

Instrumentation Studentships: conducted a survey of best practice and now developing a proposal to seek funding (UNESCO & EU) to create a pilot program of studentships partnering national labs and universities across the globe modelled on the CERN Technical and Doctoral Student & US DOE HEP GIRA programmes.

<https://icfa-iid.physics.ox.ac.uk>





Announcing the Inaugural ICFA Instrumentation Awards

Dear Colleagues,

ICFA is pleased to announce the creation of the **ICFA Instrumentation Awards**. The Awards will be bestowed annually to recognize exceptional contributions to instrumentation that has advanced the field of particle physics.

The ICFA Instrumentation Early Career Award recognizes achievements in instrumentation made at an early career stage by an individual, or group of individuals, that has the promise to make, or has already made, an advance in the field of particle physics. The early career stage is taken to be 15 years from the award of the Ph.D. or other terminal degree, properly accounting for career interruptions.

The ICFA Instrumentation Award recognizes achievements in instrumentation by an individual, or a group of individuals, that has made an advance in the field of particle physics. This award recognizes either a technology development (examples from the past include the Multi-Wire Proportional Chamber or the Bubble chamber) or a multi-faceted contribution including a technology development and also one or more of the following: community organization, training, outreach or technology transfer.

Submission Process

Individuals or groups of individuals are to be nominated by January 21, 2022 at <https://indico.cern.ch/event/1096159/>. Self-nominations are not permitted. The nomination package must include the following:

- A nomination letter of not more than 10,000 characters;
- A biographical sketch or CV for each individual included in the nomination;
- A list of the most important publications pertaining to the nomination;
- At least two, but not more than three supporting letters of not more than 5,000 characters each.



Nominations will remain active for three years. The particle physics community is diverse and global, so the nominees should reflect this. The nomination of women and other underrepresented groups in the particle physics community is therefore strongly encouraged.

**Call for nominations to
the community
December 1st 2021**

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the community
December 1st 2021**

Review and selection process

The review committee for the 2022 awards will be drawn from a pool consisting of members of the ICFA Instrumentation, Innovation and Development Panel and other instrumentation experts. The composition of the committee will be announced soon.

For questions about the awards please contact ian.shipsey@cern.ch (Chair of the ICFA Instrumentation, Innovation and Development Panel, <https://icfa-iid.physics.ox.ac.uk>).

Stuart Henderson

Chair, ICFA <https://icfa.hep.net>

ICFA

S. Henderson (Chair, USA), T. Schoerner-Sadenius (Secretary, Germany), K. Jakobs, F. Gianotti, T. Behnke (CERN Member States), N. Lockyer, J. Incandela, Z. Huang (USA), I. Koop, V. Obraztsov (Russia), Y. Wang (China), G. Taylor (Other Countries, Past Chair), I. Bediaga, S. Krishnagopal, (Other Countries), T. Mori, M. Yamauchi (Japan), M. Roney (Canada), H. Schellman (Chair of the IUPAP Commission on Particles and Fields (ex officio)).

ICFA Instrumentation, Innovation and Development Panel

Didier Contardo (Lyon), Marcel Demarteau (ORNL), Bonnie Fleming (Yale), Francesco Forti (Pisa), Kazunori Hanagaki (KEK), Gerardo Herrera Corral (CINVESTAV), Peter Krizan (Ljubljana/JSI), Gobinda Majumder (TIFR), Petra Merkel (FNAL), Eugenio Nappi (Bari), Inkyu Park (Seoul), Fabrice Retière (TRIUMF), Felix Sefkow (DESY), Ian Shipsey (Chair, Oxford), Yuriy Tikhonov (BINP), Hongbo Zhu (IHEP).

Award Committee = 16 ICFA IID members + 7 additional experts



Didier Contardo



Marcel Demarteau



Bonnie Fleming



Francesco Forti



Kazunori Hanagaki



Gerardo Herrera Corral



Peter Krizan



Gobinda Majumder



Petra Merkel



Eugenio Nappi



Inkyu Park



Fabrice Retière



Felix Sefkow



Ian Shipsey



Yuriy Tikhonov



Hongbo Zhu

7 additional experts:

Atsuko. K. Ichikawa, Roxanne Guenette, Ana Amelia Machado, Giuseppina Bisogni, Laura Baudis, Rajaa Cherkaoui El Moursli, Elisabetta Barberio

Award Committee gender balance: 9 of the 23 members are female

ICFA Instrumentation Prizes Nomination

21 January 2022

Europe/Zurich timezone

Enter your search term

**Indico site at CERN
to receive
nominations**

Overview

Nomination

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The PhD date is the date that the PhD was awarded, not the date that the thesis was defended. The time that has elapsed since the PhD was awarded is calculated from the year that the nomination call is made, not the year in which the deadline for nominations falls. Accordingly, as the call for nominations for the inaugural ICFA Early Career Award was made in 2021, nominees are eligible if the PhD was awarded in 2006 or later.

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The particle physics community is diverse and global, so the nominees should reflect this. The nomination of women and other underrepresented groups in the particle physics community is therefore strongly encouraged.

Selection Procedure

January 21, 2022 Nominations closed for
ICFA Early Career Researcher (ECR) Instrumentation Award
ICFA Senior Researcher Instrumentation Award
Very high quality nominations were received for each award

All documentation ported from CERN to a secure site @Pisa and accessed by committee via Google drive (password protected)

January 30 Documentation distributed to committee

January 30 - April 4 Committee Deliberations

Every candidate's nomination was carefully read, and ranked by each committee member, and each nomination was discussed in committee. Members of the community not involved in the nomination were contacted by the committee to determine

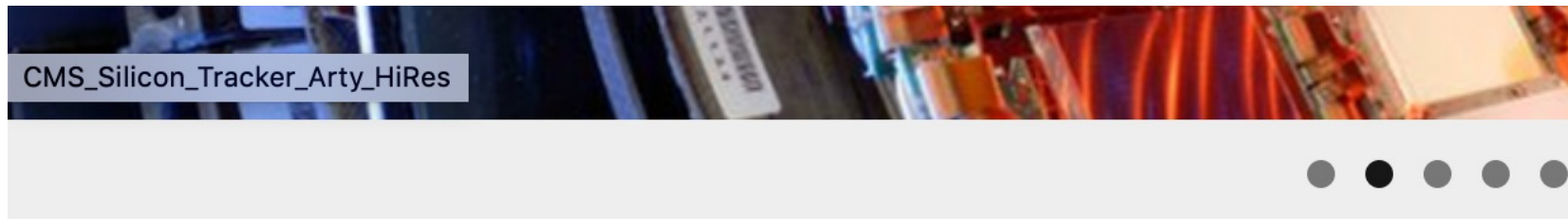
Is there compelling evidence that the main contributions were made by the nominee or were there other significant contributors involved? If the latter, who are they and what are the reasons why only the nominee should be recognized?

Have there been developments in the same category of technologies by others that should also be recognized with this award? If so would it be best to consider them in a future year or include them at this time and why? (The maximum number of recipients is three.)

After two rounds of rankings and two committee meetings for each award the two awardees were determined

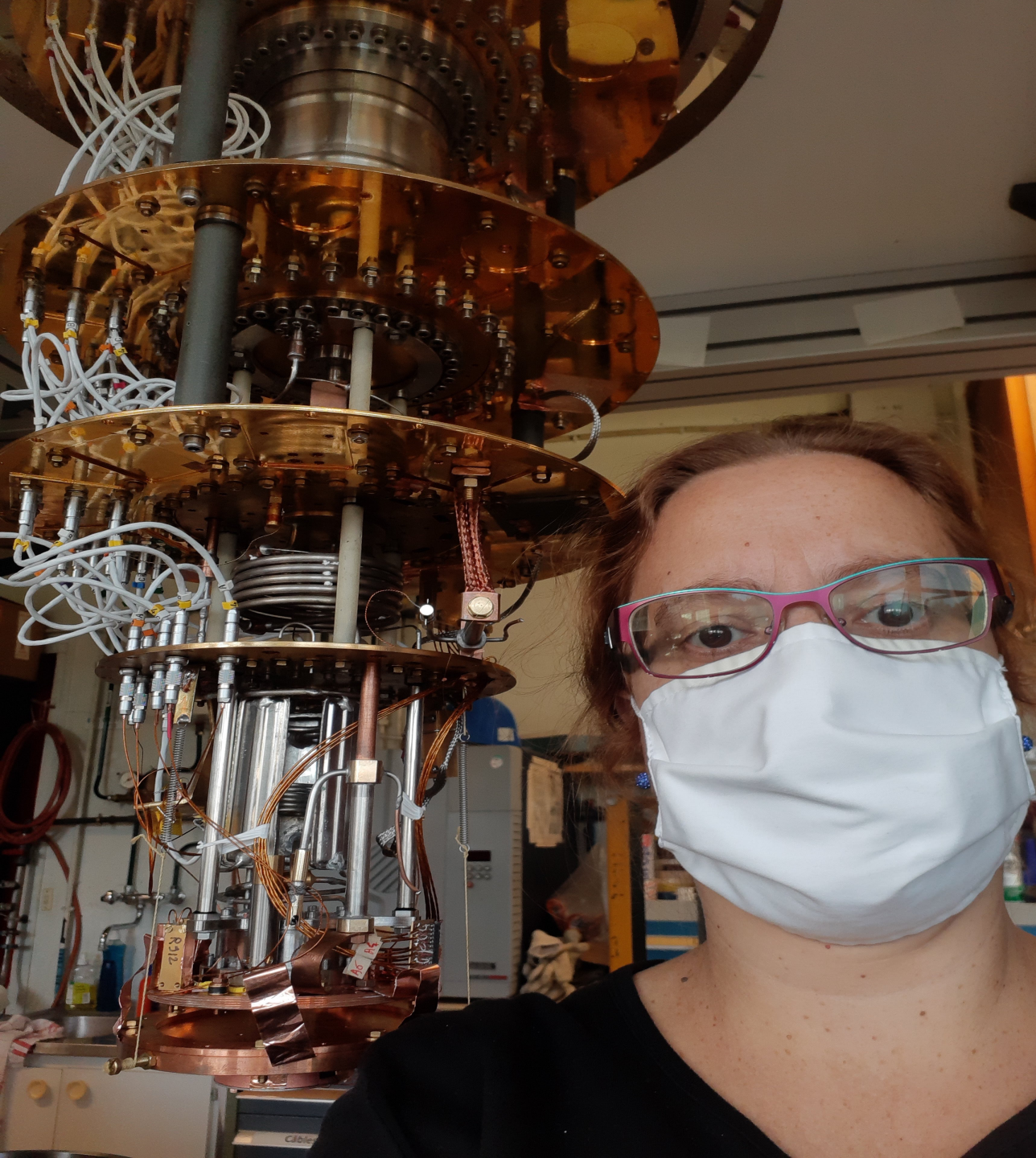
The results were reported to ICFA who ratified them

The results will be announced on May 23, 2022 at:



15th Pisa Meeting on Advanced Detectors

[La Biodola, Isola d'Elba, May 22-28, 2022](#)



The 2022 ICFA Instrumentation
Early Career Award

is presented to

Claudia Nones
(CEA-Saclay)

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*For a leading role in the development
of advanced scintillating bolometers
for fundamental physics, having
made fundamental contributions to
the detector technology employed in
today's most advanced experiments.*



The 2022 ICFA Instrumentation Award

is presented to

Velkjo Radeka

(Brookhaven National Laboratory)

For groundbreaking contributions and leadership in the development of advanced low-noise electronics instrumentation in particle physics as well as other fields, in particular for liquid argon technology.