

ICFA Instrumentation, Innovation, and Development Panel - Awards

Stefan Söldner-Rembold

**TIPP Conference
Mumbai, India, 5 February 2026**

International Conference for Future Accelerators (ICFA)

ICFA was created to facilitate international collaboration in the construction and use of accelerators for high energy physics in 1976 by the International Union of Pure and Applied Physics (IUPAP).

Its purposes 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.
- To organize workshops for the study of problems related to super high-energy accelerator complexes and their international exploitation and to foster research and development of necessary technology.
- The Committee has 16 members, selected primarily from the regions most deeply involved in high-energy physics.

ICFA: Instrumentation, Innovation and Development Panel

- The ICFA Instrumentation Innovation and Development Panel works within the ICFA framework.
- It stimulates world inclusive involvement in the innovation and development of new instrumentation for experiments at future accelerators.
- The mission of the Panel is to promote research on and development of instrumentation for use in future particle physics experiments which engages physicists from all parts of the world.

Ian Shipsey (1959-2024)



- Ian chaired the ICFA Instrumentation, Innovation, and Development Panel for many years.
- As chair, he actively promoted R&D in instrumentation for particle physics and championed the recognition of excellence in the field.
- His sudden and unexpected passing is a profound loss to the community and has deeply affected many of us.

Current IID Panel Membership



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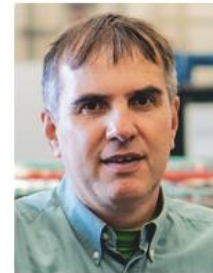
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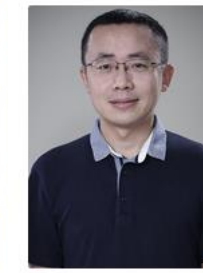
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EDIT Schools – Excellence in Detector and Instrumentation Technology

- ICFA IID organizes two-week school for graduate students and early postdocs, rotating between the Americas, Europe, and Asia
- Detector Instrumentation lectures by renowned experts in the field
- Strong emphasis on hands-on experience in cutting edge technologies
- Typically organized by a lab (test beam very desirable), but a well-equipped university could also be a good fit



CERN, Switzerland

EDIT SCHOOL, MARCH 2026

Past EDIT Schools:

- 2024 at FNAL, [Link](#)
- 2023 at BNL, [Link](#)
- 2020 at DESY, [Link](#)
- 2018 at FNAL, [Link](#)
- 2015 at Frascati, [Link](#)
- 2013 at KEK, [Link](#)
- 2012 at FNAL, [Link](#)
- 2011 at CERN, [Link](#)

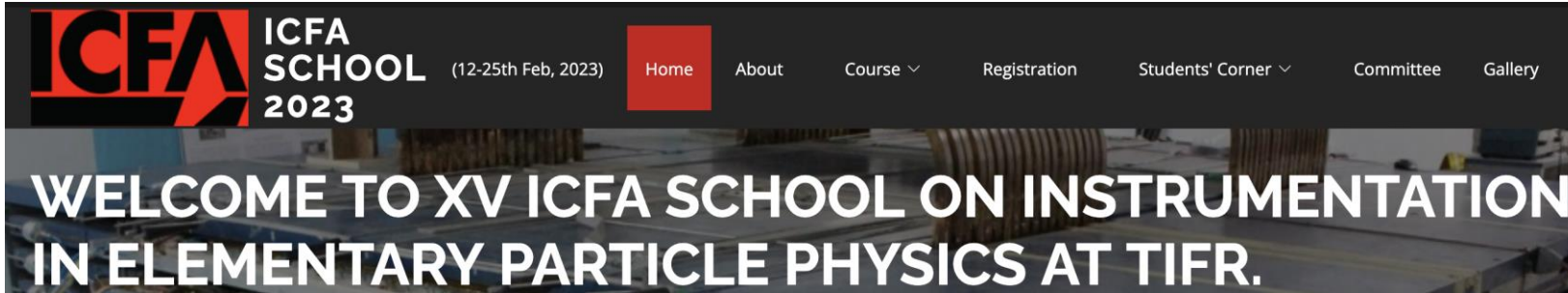


EDIT school 2026

CERN,
Geneva, Switzerland

3-13 March

ICFA Instrumentation Schools



PAST ICFA SCHOOLS

I - 1990 Rio de Janeiro, Brazil

II - 1991 ICTP Trieste, Italy

III - 1993 Mumbai, India

IV - 1995 Ljubiana, Slovenia

V - 1997 Leon, Guanajuato, Mexico

VI - 1999 Istanbul, Turkey

VII - 2001 Cape Town, South Africa

VIII - 2002 Regional school in Instabul, Turkey

IX - 2004 Itacuruca, Rio de Janeiro, Brazil

X - 2005 Regional school in Morelia, Mexico

XI - 2010 San Carlos de Bariloche, Argentina

XII - 2013 Universidad de Los Andes, Bogota, Colombia

XIII - 2014 University of Novi sad, Serbia

XIV - 2017 La Habana, Cuba

- Candidates for future schools welcome!
- Due to circumstances, there will be no ICFA Instrumentation School this year.
- Focus is on 'hands-on' detector physics – requires that we provide access to instrumentation.


Instrumentation Award 2025

The ICFA Instrumentation Awards are bestowed annually to recognise exceptional contributions to instrumentation that have advanced the field of particle physics.

The ICFA Instrumentation Early Career Award recognises significant achievements in instrumentation by individuals, or groups of up to three, at an early stage in their careers. The work must demonstrate clear promise or have already contributed meaningfully to advances in particle physics. An early career is defined as within 15 years of receiving a PhD or equivalent terminal degree, with appropriate adjustments for career interruptions.


The ICFA Instrumentation Award recognises achievements in instrumentation by an individual, or a group of up to three individuals, who have made significant advances in the field of particle physics.

Previous Award Winners (2022-2025)



Elena Aprile
(Columbia University)


For her groundbreaking contributions and leadership in the development of the first fully mature dual-phase liquid xenon TPC with a ton-scale target for the XENON experiment, which is making important advances in ultra rare-event searches.



Early Career Award
Benjamin Jones
(University of Texas at Arlington)


For his outstanding contributions to neutrino physics and detectors using noble gases and for enabling barium ion transport and identification in high-pressure xenon TPCs.

ICFA is pleased to announce the recipients of the 2024 ICFA Instrumentation Awards.



Early Career Award
Gabriel Orebi-Gann
(Berkeley)


For pioneering and developing an innovative detector technique to achieve a clear separation between scintillation and Cherenkov photons which has the potential to significantly influence the design of future neutrino experiments.



Senior Researcher Award
Walter Snoeys
(CERN)

For their vision and leadership in the development of low-mass and high-resolution particle physics detectors, based on commercial CMOS technology, the Monolithic Active Pixel Sensors (MAPS).

ICFA is pleased to announce the recipients of the 2023 ICFA Instrumentation Awards.




Early Career Award
Konstantinos Mavrokoridis
(Liverpool)

For the development of an innovative 3D optical readout for liquid argon time projection chambers that uses novel glass thick GEMs (THGEM) coupled to very fast Timepix cameras to provide high-granularity images and low-energy thresholds.




Ioannis Giomataris
(CEA Saclay)

For the development of novel micropattern gas detector technologies enabling the construction of large-scale detectors with novel geometries for particle physics, and also widespread application to other fields.




Fabio Sauli
(CERN)

For the development of novel micropattern gas detector technologies enabling the construction of large-scale detectors with novel geometries for particle physics, and also widespread application to other fields.



Senior Researcher Award
Renato Turchetta
(IMASENIC)

For their vision and leadership in the development of low-mass and high-resolution particle physics detectors, based on commercial CMOS technology, the Monolithic Active Pixel Sensors (MAPS).



Senior Researcher Award
Marc Winter
(JCLab)

For their vision and leadership in the development of low-mass and high-resolution particle physics detectors, based on commercial CMOS technology, the Monolithic Active Pixel Sensors (MAPS).

The 2026 ICFA Instrumentation Early Career Award

is presented to

Stefan Schoppmann

For pioneering hybrid and opaque scintillator technologies,
advancing neutrino and dark matter detectors through
innovative materials, patented developments, and leadership in
next-generation low-background experimental instrumentation

7th International Conference on Technology and
Instrumentation in Particle Physics, 2-6 February 2026,
Tata Institute for Fundamental Research, Mumbai, India



Stefan Söldner-Rembold

Stefan Söldner-Rembold
Chair of the ICFA IID Panel

The 2026 ICFA Instrumentation Award

is jointly presented to

Nicolò Cartiglia
Hartmut Sadrozinski
Abraham Seiden



For the groundbreaking development of ultra-fast silicon detectors for precision timing, now widely used in the particle physics community and enabling 4D tracking detectors

7th International Conference on Technology and Instrumentation in Particle Physics, 2-6 February 2026, Tata Institute for Fundamental Research, Mumbai, India

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