



***AccelNet: Accelerating Research
through International
Network-to-Network Collaborations***



The Inter-American network of networks of QCD challenges

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37th Winter Workshop on Nuclear Dynamics
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Inter-American Network of Networks of QCD challenges – Program goals

- (1) Develop strategic partnerships across the various physics research networks in the Americas to tackle QCD challenges;
- (2) Identify the needs, strengths and synergies of network partners for developing large scale science projects in the US;
- (3) Design activities for researchers in the U.S., Canada, and Latin America that will facilitate leveraging complementary resources for QCD research, and
- (4) Enhance the training of the next generation of researchers in a novel set of skills that include international multi-team experience.

Program activities

- Establish communications and relationships among existing networks
- Promote the development of new networks to tackle QCD challenges
- Organization of scientific meetings aimed at bringing the community together. Support the organization of workshops, conferences, summer schools organized by networks or network partners
- Research exchange and mobility programs between networks in the U.S., Canada and Latin American countries

Research areas related to QCD

- Accelerator technologies
- Theory
- High performance computing
- Particle detectors, instrumentation and electronics
- Real-time event selection
- Software development, and development of Monte Carlo simulation
- AI and QIS tools

Program coordinators



Daniel Tapia Takaki
University of Kansas,
Principal Investigator



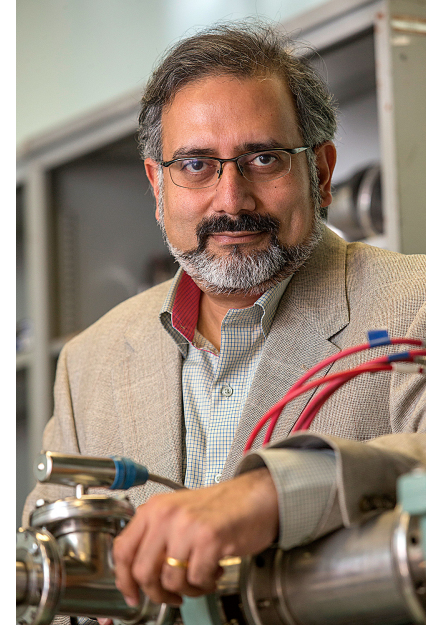
Christine Aidala
University of Michigan
Former Chair of the
Institutional Board of
the EIC's User Group



Carlos Bertulani
University of
Texas A&M-
Commerce and
APS Forum on
International
Physics



Jean Delaysen
Old Dominion
University
Director
of the Center for
Accelerator
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JLab associate



Abhay Desphande
Stony Brook
University, Founding
Director of the Center
for Frontiers in
Nuclear Science
(CNFS), and Director
of EIC Science⁵ at BNL

International Advisory Board

- Prof. Luisa Cifarelli (University of Bologna, Italy)
- Prof. Barbara Erazmus (SUBATECH, IMT Atlantique, CNRS/IN2P3, France)
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- Prof. Larry McLerran (INT and University of Washington, USA)
- Prof. Veronica Riquer (Sapienza University of Rome, Italy)
- Prof. Alberto Santoro (Rio de Janeiro State University, Brazil)
- Prof. Robert Tribble (Brookhaven National Lab and Texas A&M University)

List of invited networks

We are an open network: future networks can also participate

- [Electron-Ion Collider User Group](#)
- [Jefferson Lab Users Association](#)
- [RHIC and AGS User's Group](#)
- [US LHC Users Association](#)
- [Association of Latin American Nuclear Physics and Applications \(ALAFNA\)](#),
- [Southeastern Universities Research Association \(SURA\)](#)
- Latin American Association for High Energy, Cosmology and AstroParticle Physics
- [Nuclear Physics and Applications \(INCT-FNA\)](#)
- Rede Nacional de Física de Altas Energias (RENAFAE)
- [Mexican Particle Accelerator Community \(CMAP\)](#)
- [EIC-Canada Collaboration](#)
- [California EIC Consortium](#)

List of invited network partners

We are an open network: future networks
can also participate

- [Center for Frontiers in Nuclear Physics \(CFNS\)](#) at Stony Brook University & Brookhaven National Laboratory
- [The Electron-Ion Collider Center at Jefferson Lab](#)
- [Center for Accelerator Science at Old Dominion University](#)
- [The ICTP South American Institute for Fundamental Research \(ICTP-SAIFR\)](#)
- [Canadian Institute of Nuclear Physics](#)
- [TRIUMF. Canada's Particle Accelerator Center](#)
- [The Institute of Nuclear Theory](#)
- [Center for Nuclear Femtography](#)

Call for Proposals

Go to <http://www.iann-qcd.org>

- For this call, IANN-QCD is interested in supporting the following types of activities:

Activity 1: Exchange visit programs

Activity 2: Early-stage research projects

Activity 3: Participation or organization of scientific meetings

Activity 4: Strategic partnerships

We expect a large fraction of the applications will be submitted by May 31, 2022. All the proposed activities must be completed by June 1, 2023.

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Applications can be submitted at any time. Proposals should identify a U.S. researcher that will serve as the contact person. While there is no recommended level of funding, it is anticipated that award sizes may range from \$500 to \$15,000 per year. Funding may be used to support travel or local expenses related to the proposed activities.

Funding can be requested by individual researchers or by network representatives. Travel for students and postdoctoral researchers should be requested by a senior researcher that directly supervises their research work, unless those requests are made by network representatives. Network representatives can request funding for a collective group of students and researchers. A detailed justification should be provided in the application materials when such arrangements are proposed.

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Please help us advertising this program and get engaged !

Useful links

- **Program website**

<http://www.ainn-qcd.org>

- **Dec 16 2021 kick-off meeting at CFNS, Stony Brook**

<https://indico.bnl.gov/event/13562/overview>