

Statement

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I have been elected member of the EICUG Steering Committee since its formation. And I served also as Vice-Chair, then Chair and Past-Chair according to the new chair-line system.

During eight years, I witnessed / contributed to several important steps in the development of the EICUG structure and the EIC project (celebrating the CD-0 by DOE, creating the international representative positions inside the EICUG SC, starting regular EICUG newsletter with calendar of interesting events, co-editing the EIC Yellow Report, organizing the annual joint EICUG-ePIC meetings, co-authoring EIC-LHC Synergy documents for the European Strategy for Particle Physics Update, starting the EICUG Award,...).

While serving as Chair, I governed the transition of EICUG to the so-called "Phase 3", as defined in the EICUG Charter, corresponding to the formation and growth of the ePIC Collaboration. This implied a deep restructuring of the EICUG organization in Committees and Working Groups; for example, introducing the chair-line system and the ePIC and Young representatives in the SC, and forming the Theory, Artificial Intelligence (AI4EIC) and Monte Carlo (MC4EIC) Working Groups, etc..

I joined the ePIC Collaboration since its formation, and I am member of its Collaboration Council also since its formation, representing the INFN - Pavia and the University of Pavia.

Therefore, I have practice of governing bodies of both large communities, the EICUG and the ePIC Collaboration.

Of course, I have been more deeply involved in the former, while the latter has a much more complicated structure and a different mode of operations. The ePIC CC has several Standing Committees (Election, Conferences and Talks, Collaboration Culture, Membership, Publications), each one having its own responsibilities and being led by a Chair and a Vice-Chair (with the exception of the Election Committee).

However, I believe that the actual role of the ePIC CC is to govern the community according to the ePIC Charter and through its Standing Committees, keeping all members together as a unique body as well as focused on the ultimate goal, namely constructing the ePIC detector that would allow the NAS pillars of the EIC physics program to become reality.

In this sense, the actual roles of the ePIC CC and of the EICUG SC are very similar.

I am very honored to have been nominated for running as candidate for the Vice-Chair position in the ePIC CC. And I am happy to accept this nomination.

Also because as Vice-Chair I would work with Renee Fatemi as Chair, replicating a similar and very enjoyable collaboration that we had as Chair and Vice-Chair of the EICUG SC.

In summary, if elected I will use my accumulated experience inside the EICUG SC to contribute to productive discussions inside the ePIC CC and to making appropriate and fruitful policy decisions within the Collaboration according to the ePIC Charter, fostering a welcoming, respectful and inclusive environment.

CV of Marco Radici

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=> Positions

I am a staff member of INFN in Pavia (Italy) since Dec. 1988.

In 1991-1992, I was invited as Visiting Scientist at the University of Illinois at Urbana-Champaign (USA), working in the group of prof. V.J. Pandharipande.

Since 2007, I am INFN Senior Staff Researcher.

=> Research activity

I first joined the Pavia group, formed by prof. S. Boffi, C. Giusti, and F.D. Pacati, working on electromagnetic knockout reactions in atomic nuclei and studying, in particular, the effects of short- and long-range correlations among nucleons that emerge in the nuclear spectral density and related spectroscopic factors.

Later, I turned to the analysis of electromagnetic form factors of the nucleon and its resonances using relativistic covariant quark models, mostly in collaboration with the group of prof. W. Plessas in Graz (Austria).

Then, I approached the phenomenology of azimuthal (spin) asymmetries in hard reactions like deep-inelastic scattering, electron-positron annihilations and hadronic collisions. In particular, I pioneered systematic studies of the properties of di-hadron fragmentation functions, performed the first ever extraction of them from experimental e^+e^- annihilation data, and used them in the first ever extraction of the transversity parton distribution in the collinear framework from both polarized deep-inelastic scattering and hadronic collisions.

I am also co-founder of the MAP Collaboration (Multidimensional Analysis of Parton distributions), originally born in Pavia and now including various institutions outside Pavia (Torino and Cagliari in Italy, CEA-Saclay in France, ANL in US) where our former post-docs are now members or staff members. The main focus of the MAP Collaboration is the multidimensional study of the partonic structure of hadrons, in particular through the extraction from experimental data of the so-called Transverse Momentum Distributions (TMDs). The most important achievements are the first extraction of quark TMDs from a global fit at highest available perturbative accuracy including flavor sensitivity of intrinsic quark transverse momenta, and the first extraction of such objects from Drell-Yan data using Neural Networks to parametrize the unknown nonperturbative component. The MAP Github repository contains the publicly available Nanga Parbat framework with all related codes. I am co-author of almost 180 publications, of which 90+ in peer-review journals. I delivered 130+ talks, about 100+ invited. I am also co-author of a book published by Oxford Univ. Press.

=> Services and commitments

I participated in several scientific projects both of the Italian MIUR program PRIN and of the European Community Framework Programmes FP4 through FP7.

Since 2008, I have been national spokesperson of various INFN scientific projects aiming to study the structure of hadrons.

From 2005 to 2011, I was member of the INFN national theoretical Committee CSN4, coordinating and financing all the INFN theoretical activities.

In the same time range, I was referee of all the national INFN scientific projects in theoretical Hadronic and Nuclear Physics. Later, I have been member of several Selection Committees for INFN, University of Pavia, and foreign Institutions (e.g., Vrije Univ. Amsterdam, the Netherlands).

I am referee of various international peer-review journals, of NSF and DOE (USA). I also served as referee of FOM (The Netherlands). I am editor of the journal E.P.J. Plus.

I have been / am member of Program and / or Organizing Committees of various workshops and international conferences.

From 2015 to 2020, I have been the national INFN coordinator of the project "3-Dimensional Maps of the Spinning Nucleon (3DSPIN)", funded by the European Community in the framework of the Horizon 2020 general programme.

From 2016 to 2020, I served for two consecutive terms in the EIC Users Group (EICUG) Steering Committee (SC) and in the EICUG Institutional Board, representing INFN-Pavia and University of Pavia.

From 2021 to 2023, I served as elected Vice-Chair of the EICUG SC.

From 2023 to 2024, I served as Chair, and from 2024 to 2025 as Past-Chair.

I also served in the EICUG Charter Review Committee.

In 2023-2024, I served in the NuPECC Long Range Plan Topical WG 6 “Research Infrastructures”, contributing to recommendations about the EIC project in the section “Foreign Infrastructures”.

I served as convener of the SIDIS Working Group (WG) in the ATHENA Collaboration and during the transition to the newly formed ePIC Collaboration.

I am member of the ePIC Collaboration since its formation.

I am member of the ePIC Collaboration Council (CC) since its formation, representing INFN-Pavia and University of Pavia.

=> Teaching and tutoring

Since 2004, I am Contract Professor for the Master Degree in Physics at University of Pavia, and I am member of the Teaching Board of the local PhD School of Physics, coordinating the course “Strong Interactions”.

I have been (co-)Supervisor of various undergraduate and graduate students, and also tutor of various INFN post-docs.