

André Lichnerowicz prize in Poisson geometry - 2022

The André Lichnerowicz prize was established in 2008 to be awarded for notable contributions to Poisson geometry. The prize is to be awarded every two years at the “International Conference on Poisson Geometry in Mathematics and Physics” to researchers who had completed their doctorates at most eight years before the year of the Conference.

The prize was named in memory of André Lichnerowicz (1915-1998) whose work was fundamental in establishing Poisson geometry as a branch of mathematics. In 2022, it was awarded by a jury composed of the members of the scientific and advisory committees of the biennial Poisson Conference. The prize amount was 400 Eur for each recipient and the funds were provided by Georg-August-Universität Göttingen.

The prize for the year 2022 was awarded to
Yiannis Loizides and Álvaro del Pino Gómez
on July 25, 2022, at ICMAT, Madrid, Spain

Yiannis Loizides received a Ph.D. degree in Mathematics at the University of Toronto in 2017 under the direction of Eckhard Meinrenken. He has made outstanding contributions to symplectic and Poisson geometry, and its relation with index theory. In his thesis, he developed a rigorous theory of classical and quantum norm-square localization of Hamiltonian loop group spaces. Later work, with various co-authors, include quantization commutes with reduction results for the geometric quantization of log-symplectic Poisson manifolds as well as pre-symplectic manifolds. Recently, he was able to extend Teleman-Woodward’s generalized Verlinde formulas from the moduli space setting to arbitrary Hamiltonian loop group spaces, using a new index-theoretic approach.

Álvaro del Pino Gómez received his Ph.D. degree in Mathematics from ICMAT, Madrid, Spain, in 2017, under the supervision of Francisco Presas. He has distinguished himself by important contributions to Engel structures, contact geometry and symplectic foliations. His first works concerned foliations possessing a leafwise contact or symplectic structures (i.e., regular Poisson structures). Since then, del Pino has been involved in a deep study of Engel structures, aiming at classifying them. Del Pino has also been working on the interplay between Poisson Geometry (symplectic foliations) and Contact Geometry. His most recent work concerns foundational aspects of h-principles and, in particular, two techniques known as wrinkling and convex integration.