Curriculum Vitae

Mihai-Cosmin Pavel

Personal Information

Nationality: Romanian

Current position: Assistant Researcher at the "Simion Stoilow" Institute of Mathematics of the Romanian Academy (IMAR) since October 2022

Email: cpavel at imar dot ro

Professional address: IMAR, 21 Calea Grivitei Street, 010702 Bucharest, Romania

Studies

University of Lorraine, Institute Élie Cartan de Lorraine (IECL) — Nancy, France
PhD in Mathematics, Advisor: Matei Toma — 2019–2022

Title: "Moduli spaces of semistable sheaves"

University of Bucharest — Romania
Master in Mathematics, Advisor: Marian Aprodu — 2017–2019

Title: "Syzygies of points"

University of Bucharest — Romania
Bachelor in Mathematics, Advisor: Victor Vuletescu — 2014–2017

Title: "Fuchsian Groups"

Articles

Mihai Pavel, "Restriction theorems for semistable sheaves", https://arxiv.org/pdf/2204.01762.pdf, submitted to journal, April 2022

Mihai Pavel, "Moduli spaces of slope-semistable pure sheaves", https://arxiv.org/pdf/2105.09395v3.pdf, submitted to journal, July 2021

Conference and seminar talks

Algebraic geometry seminar IMAR, Bucharest, Romania — October 2022

Title: "Compactification of moduli spaces of vector bundles"

162nd Anniversary of the University of Iasi, Romania — October 2022

HyperKähler manifolds and related geometries, Cetraro, Italy — August 2022

Title: "Moduli spaces of semistable sheaves"

Journée des doctorants IECL, Metz, France — July 2022

Title: "27 lines on a smooth cubic surface"

Bridgeland stability seminar, online — December 2021

Title: "Moduli spaces and stacks of Bridgeland semistable objects"

Workshop for Young Researchers in Mathematics - 10th Edition, online — May 2021

Title: "Moduli spaces of slope-semistable pure sheaves"

Séminaire des doctorants IECL, Nancy, France — March 2021

Title: "An introduction in moduli space theory"

Complex geometry seminar IECL, Nancy, France — 2020

Title: "Serre's GAGA Theorem"

Complex geometry seminar IECL, Nancy, France — 2019

Title: "A proof of Chow's Theorem"

Conferences and workshops attended

HyperKähler manifolds and related geometries, summer school, Cetraro, Italy — August 2022

GAeL XXIX, Paris, France — May 2022

Géométrie algébrique en l'honneur de Claire Voisin, Paris, France — May 2022

Derived Categories of Fano Varieties Hyperkähler Varieties and Their Period Maps, winter school, Udine, Italy — November 2021

Lecture on Deformation Theory, online course by Christian Lehn, Chemnitz — 1st semester 2021

Irregular Riemann-Hilbert Correspondence, summer school, Aussois, France — September 2021

Enumerative Geometry, Physics and Representation Theory, summer school, Paris, France — July 2021

Higgs bundles in Strasbourg, online conference — June 2021

Conference Algebraic Geometry, Angers, France — June 2021

Workshop for Young Researchers in Mathematics - 10th Edition, online — May 2021

Mini-school on moduli of sheaves on three- and four-folds at UNC, online — December 2020

FRG Workshop on Moduli Spaces and Stability, online, http://homepages.math.uic.edu/~coskun/frg2020.html — December 2020

Workshop on Riemannian and Kähler Geometry, IMAR Bucharest, Romania — April 2019

Conferences and seminars organized

Bridgeland stability seminar, online — 1st semester 2021

GAeL XXVII, Bucharest, local organizer — June 2019

Teaching

Tutor, Real Analysis, 1st year undergraduate classes, University of Bucharest — 2nd semester 2016

Tutor, Mathematical Logic and Set Theory, 1st year undergraduate classes, University of Bucharest — 1st semester 2015

Langauges

Romanian: native

English: fluent

French: intermediate