Vincent PECASTAING

PERSONAL INFORMATION	Birth date: April 26, 1987. **Citizenship:** French **Affiliation:** Université Côte d'Azur (Nice, France) **Webpage:** `www.math.unice.fr/~pecastaing/`
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EMPLOYMENT

Maître de Conférences, Université Côte d'Azur (Nice)	09/2020 -
Postdoctoral researcher, University of Luxembourg	01/2017 - 08/2020
Visiting researcher, University of Maryland (GEAR funding)	09/2016 - 12/2016
ATER, Université Paris-Sud (Orsay)	09/2015 - 08/2016

First semester as postdoc visitor at Hümboldt University of Berlin.

EDUCATION

PhD in Mathematics, Université Paris-Sud (Orsay). Defended 12/2014
  Title: *The conformal group of pseudo-Riemannian manifolds*
  Advisor: C. FRANCES
Master, Mathematics, Université Paris-Sud. 2011
Agrégation, Mathematics. 2010
École normale supérieure, Paris. 2008-2012

PUBLICATIONS

The conformal group of a compact simply-connected Lorentzian manifold,
  J. Amer. Math. Soc., **35** (2022), 81-122. Joint with K. MELNICK.
Projective and conformal closed manifolds with a higher-rank lattice action,
  Submitted for publication. `https://arxiv.org/abs/1910.06199`
Conformal actions of higher-rank lattices on pseudo-Riemannian manifolds,
  Geom. Funct. Anal., **30**(2020) 955-987.
Conformal actions of real-rank 1 simple Lie groups on pseudo-Riemannian manifolds,
  Transf. Groups, **24**(2019), 1213-1239.
Lorentzian manifolds with a conformal action of $\mathrm{SL}_2(\mathbf{R})$,
  Comment. Math. Helv., **93**(2018), 2, 401-439.
Essential conformal actions of $\mathrm{PSL}_2(\mathbf{R})$ *on real-analytic compact Lorentz manifolds*,
  Geom. Dedicata, **188**(2017), 1, 171-194.
On two theorems about local automorphisms of geometric structures,
  Ann. Inst. Fourier, **66**(2016), 1, 175-208.

TALKS

Seminar of Geometry, Univ. Bordeaux (2022)
Workshop: Geometry Days in Nancy (2022)
Conference: Geometric Structures, Compactification and Group Actions, Strasbourg (2022)
Workshop: Global rigidity of actions by higher-rank groups, AIM, San Jose (2022)
Seminar Dynamical Systems, Analysis and Geometry, Univ. Avignon (2022)
Workshop Geometry and Topology, Univ. Luxembourg (2022)
Colloquium of pure Mathematics, Univ. Hamburg (2021, online)
Seminar Algebra, Topology, Geometry, Univ. Côte d'Azur (2020)
Seminar of Dynamics and Probability, Univ. Picardy Jules Verne (2020, online)
Seminar of Geometry and Dynamics (2020, online)
Seminar TSG, Grenoble, 2020
Conference Dynamical Aspects of Pseudo-Riemannian Geometry, Univ. of Porto (2020)
Seminar of Geometry, Univ. Bordeaux (2020)
Seminar of Differential Geometry, Masaryk Univ., Brno (2019)
Seminar of Ergodic Theory and Dynamics, Univ. Paris-Nord (2019)

Seminar of Geometry, Topology, Dynamics, Univ. Paris-Sud (2019)
Arbeitsgemeinschaft: Zimmer's Conjecture, Oberwolfach (2019)
Conference in honor of A. Zeghib, Avignon (2019)
Workshop SL2R, Metz (2019)
Seminar of geometry, Strasbourg (2019)
Australian-German workshop on differential geometry, Melbourne (2019)
Seminar of Topology and Geometry, Toulouse (2018)
Workshop Representation of surface groups and beyond, Lille (2018)
IX International meeting on Lorentzian geometry, Warsaw (2018)
Seminar of Ergodic Theory, Rennes (2018)
Seminar Darboux, Montpellier (2018)
Seminar of Differential Geometry, Nancy (2017)
Seminar of Geometry and Dynamics, Avignon (2017)
Seminar of Geometry, Strasbourg (2017)
Seminar of Geometry and Topology, Univ. Maryland (2016)
Seminar of Geometry and Dynamics, Avignon (2016)
Seminar of Geometry, Leipzig (2016)
Seminar of Geometry and Topology, Luxembourg (2016)
Seminar of Geometry, EPFL (2015)
Seminar of Differential Geometry, Hümboldt Univ. Berlin (2015)
Seminar of Geometry, Rennes (2015)
Seminar of Geometry, Bordeaux (2015)
Seminar of Geometry and Dynamics, Lille (2015)
Seminar Darboux, Montpellier (2015)
Seminar of Geometry and Dynamics, ENS Lyon (2014)
Seminar of Geometry and Topology, Univ. Maryland (2014)
AMS Fall NE Sectional Meeting, Halifax (2014)
Conference of the GDR Platon, Avignon (2014)

ORGANIZATION

Co-organizer of a thematic trimester at the Institut Henri Poincaré in Paris:
 Group actions, Geometric Structures, Zimmer program and Rigidity. 04/2024 - 07/2024.
 Pre-school held in CIRM (Luminy)
Local coordinator for the GDR Platon at Université Côte d'Azur
Co-organizer of the conference in honor of A. Zeghib, Avignon 06/2019
 Géométrie et dynamique: de A à Z.
Co-organizer of the conference and winter school on *Geometric structures in Nice,* 01/2019
Co-organizer of a GDR Platon conference held in Luxembourg, 06/2018
 Pseudo-Riemannian geometry and Anosov representations
Co-organizer of the GAAG 2, held in Luxembourg, 01/2018 (One day workshop gathering
 research groups from Strasbourg, Lorraine, Luxembourg and IHES)
Co-organizer of the Geometry and Topology seminar at the Univ. Luxembourg, 2017-2020