

CONTACT INFORMATION	Faculty of Mathematics Karlsruhe Institute of Technology Englerstraße 2 76131 Karlsruhe, Germany	+49 (0)721 608-43914 claudio.llosa@kit.edu https://www.math.kit.edu/user/llosa/ https://orcid.org/0000-0001-9480-0372
NATIONALITY	German, Peruvian	
BORN	30th of March 1989, Karlsruhe, Germany	
RESEARCH INTERESTS	Compact Kähler manifolds and their fundamental groups, Geometric Group Theory, Homological finiteness properties of groups and spaces, Dehn functions, Subgroups of direct products of surface groups, Residually free groups, Nilpotent groups, Kodaira fibrations, Mapping Class groups, CAT(0) spaces.	
EMPLOYMENT	<p>Since October 2020 Junior professor (W1-Professor) in Geometry at the Faculty of Mathematics of the Karlsruhe Institute of Technology (KIT).</p> <p>March 2020 – September 2020 Lise Meitner Postdoctoral fellowship of the FWF at the Faculty of Mathematics of the University of Vienna.</p> <p>October 2019 – February 2020 Postdoc at the Max-Planck Institute for Mathematics in Bonn.</p> <p>October 2017 – September 2019 Sophie Germain Postdoctoral fellowship of the FMJH at the Laboratoire de Mathématiques d’Orsay, University of Paris-Sud.</p>	
EDUCATION	<p>University of Oxford, Wolfson College DPhil in Mathematics, September 2017</p> <ul style="list-style-type: none"> • Dissertation title: Kähler groups and Geometric Group Theory • Supervisor: Prof. Martin R. Bridson <p>University of Munich M.Sc. in Mathematics, September 2013</p> <ul style="list-style-type: none"> • Master thesis: Volumes of representations of 3-manifold groups • Supervisor: Prof. Dieter Kotschick <p>B.Sc. in Mathematics, July 2011</p> <ul style="list-style-type: none"> • Bachelor thesis: On the local normal form of J-convex functions on almost complex manifolds (German) • Supervisor: Prof. Kai Cieliebak • Minor in Theoretical Physics <p>Gymnasium Wilhelmsdorf, Germany</p> <ul style="list-style-type: none"> • Abitur, July 2008 	
PREPRINTS AND PUBLICATIONS	<p>(1) C. Llosa Isenrich, P. Py, <i>Mapping class groups, multiple Kodaira fibrations, and CAT(0) spaces</i>, arXiv:2001.03694 (January 2020), to appear in Math. Annalen.</p> <p>(2) C. Llosa Isenrich, R. Tessera, <i>Residually free groups do not admit a uniform polynomial isoperimetric function</i>, Proc. AMS vol. 148 (2020), no. 10, 4203-4212.</p>	

- (3) C. Llosa Isenrich, *Kähler groups and subdirect products of surface groups*, Geometry & Topology 24 (2020), no.2, 971-1017.
- (4) C. Llosa Isenrich, R. Tessera, *On the Dehn functions of Kähler groups*, Groups, Geometry, and Dynamics, vol. 14 (2020), no. 2, pp. 469-488.
- (5) M.R. Bridson, C. Llosa Isenrich, *Kodaira fibrations, Kähler groups, and finiteness properties*, Transactions of the AMS vol. 372 (2019), no.8, pp. 5869-5890.
- (6) C. Llosa Isenrich, *Branched covers of elliptic curves and Kähler groups with exotic finiteness properties*, Annales de l'Institut Fourier, Volume 69 (2019) no.1, pp. 335-363.
- (7) C. Llosa Isenrich, *Finite presentations for Kähler groups with arbitrary finiteness properties*, Journal of Algebra vol. 476 (2017), pp. 344-367.
- (8) C. Llosa Isenrich, G. Pallier, R. Tessera *Cone-equivalent nilpotent groups with different Dehn functions*, arXiv:2008.01211 (August 2020).
- (9) C. Llosa Isenrich, *Complex hypersurfaces in direct products of Riemann surfaces*, arXiv:1806.02357 (June 2018), submitted.

CONFERENCE
TALKS

Hypersurfaces complexes dans des produits directs de surfaces de Riemann, Rencontre de l'ANR Hodgefun, IMB Bordeaux, Bordeaux, France (November 2018), invited talk.

Kähler groups and coabelian subgroups of products of surface groups, Geometric Group Theory in Campinas, ICM satellite conference, UNICAMP, Campinas, Brazil (July 2018).

On Dehn functions of Kähler groups, Group theory, ICM satellite conference, Cabo Frio, Brazil (July 2018).

Kähler groups and subdirect products of surface groups, Non-positively Curved Groups on the Mediterranean, Nahsholim, Israel (May 2018).

Kähler groups from branched covers of elliptic curves, Journée francillienne d'accueil des postdoctorant.e.s en mathématiques, IHÉS, Bures-sur-Yvette, France (October 2017).

Kähler groups and subdirect products of surface groups, Manifolds and Groups, University of Regensburg, Regensburg, Germany (September 2017), invited talk.

Kähler groups and subgroups of direct products of surface groups, Groups and Geometry in the Southeast, UCL, London, UK. (October 2016)

A construction method for Kähler groups from maps onto complex tori, Finiteness conditions in Topology and Algebra, Queen's University, Belfast, UK. (September 2015)

OTHER TALKS

Cone-equivalent nilpotent groups with different Dehn functions, Topology and Geometric Group Theory Seminar, Cornell, US (October 2020).

Kodaira fibrations and mapping class groups, Geometry and Analysis on Groups seminar, University of Vienna, Austria (March 2020).

Kodaira fibrations and mapping class groups, Differential geometry seminar, Max Planck Institute for Mathematics, Bonn, Germany (February 2020).

Introduction to Kähler groups, MPI Oberseminar, Max Planck Institute for Mathematics, Bonn, Germany (December 2019).

Lower bounds on Dehn functions of residually free groups, Group theory seminar, IC-

MAT/UAM, Madrid, Spain (December 2019).

Images of Kähler groups in direct products of surface groups, Geometry seminar, University of Heidelberg, Germany (November 2019).

Lower bounds on Dehn functions of residually free groups, GGTT seminar, Tufts University, Boston, US (September 2019).

Bilder von Kählergruppen in direkten Produkten von Flächengruppen, Colloquium (job talk), KIT, Karlsruhe, Germany (July 2019).

Lower bounds on Dehn functions of residually free groups, Oberseminar Groups and Geometry, University of Bielefeld, Bielefeld, Germany (June 2019).

Kähler groups and complex hypersurfaces in direct products of Riemann surfaces, Séminaire d'Analyse et Géométrie, Institut de Mathématiques de Jussieu, Paris, France (March 2019).

Complex hypersurfaces in direct products of Riemann surfaces, HORUS Seminar, Université de Strasbourg, Strasbourg, France (December 2018).

Lower bounds on Dehn functions of residually free groups, LKS Seminar, University of Regensburg, Regensburg, Germany (October 2018).

Complex hypersurfaces in direct products of Riemann surfaces, Oberseminar Geometrie, University of Munich (LMU), Munich, Germany (October 2018).

On Dehn functions of Kähler groups, Geometry and Topology Seminar, Technion, Haifa, Israel (May 2018).

Sous-groupes kähleriens coabeliens des produits directs de groupes de surfaces, Séminaire de géométrie analytique, IRMAR, Université de Rennes 1, Rennes, France (March 2018).

Kähler groups and subdirect products of surface groups, Journée de rentrée de l'équipe de Topologie et Dynamique, Université Paris-Sud, Orsay, France (October 2017).

Constraints on coabelian Kähler subdirect products of surface groups, Poincaré Seminar, University of Oxford, Oxford, United Kingdom (June 2017).

Kähler groups and subdirect products of surface groups, Guillermo Torres Seminar for Geometry and Topology, UNAM, Mexico City, Mexico (March 2017).

Constructing Kähler groups with arbitrary finiteness properties, Topology Seminar, Tata Institute of Fundamental Research, Mumbai, India. (July 2016)

On lines (not) in Analytic varieties, Kinderseminar, University of Oxford, Oxford, UK. (May 2015)

Volumes of representations of 3-manifold groups, Junior Topology and Group theory seminar, University of Oxford, Oxford, UK. (February 2014)

OTHER	01/20	Winterschool on Cremona groups, Geometric Topology and Algebraic Geometry, UNAM, Cuernavaca, Mexico
CONFERENCES	06/19	Aspects of non-positive and negative curvature in Group Theory, CIRM, Marseille, France
ATTENDED	05/19	GAGTA 2019, Bar Ilan University, Israel
	03/19	Rencontre de l'ANR Gamme, Saint-Etienne de Tinée, France

11/18 Paroles aux jeunes chercheurs en groupes et géométrie, Université Lyon 1, Lyon, France

06/18 School on 3-Manifolds and Geometric Group Theory, CIRM, Marseille, France

05/18 Right-angled Artin groups and their automorphisms, Université Paris-Sud, Orsay, France

01/18 Escuela de invierno en grupos y dinamica en Mexico, UNAM, Mexico City, Mexico

06/17 Oberwolfach Workshop 1726 – Geometric Structures in Group Theory, MFO, Oberwolfach, Germany

03/17 Young Geometric Group Theory VI, University of Oxford, UK

02/17 Groups of dynamical origin, UNAM, Mexico City, Mexico

08/15 Conference on Topology and Geometry, Bonn, Germany

04/14 British Mathematical Colloquium 2014, Queen Mary University, London, UK, participation funded by a Google stipend

11/13 – 06/17 Participation in the quarterly Groups and Geometry in the South-east meetings, UK

03/13 N+7th Southern California Topology Colloquium, Caltech, Pasadena

02/13 Young Geometric Group Theory II, Technion, Haifa, Israel

TEACHING
EXPERIENCE

10/14 – 07/17 College Lecturer in Pure Mathematics, St. Catherine’s College, University of Oxford,
4 contact hours per week during term time plus associated marking and administration
Duties included tutorials and classes in Pure Mathematics and conducting admission interviews. In particular, I have taught for the Part A courses Linear Algebra, Metric spaces and Complex Analysis, Algebra, Integration, Topology, Group Theory, and Introduction to Manifolds, and for the Prelims course in Geometry

Trinity 2015 Tutorials and Revision classes, Graph Theory, Queen’s College, University of Oxford

Trinity 2014 Revision classes, Linear Algebra, St. Catherine’s College, University of Oxford

Hilary 2014 Teaching Assistant, Homological Algebra, Mathematical Institute, University of Oxford

Michaelmas 2013 Teaching Assistant, Topology and Groups, Mathematical Institute, University of Oxford

Spring 2013 Class tutor, Geometry and Topology of surfaces, Department of Mathematics, University of Munich

Autumn 2012 Class tutor, Mathematical Quantum Mechanics, Department of Mathematics, University of Munich

Spring 2012 Class tutor, Analysis I, Department of Mathematics, University of Munich

Autumn 2011 Class tutor, Algebra for teachers, Department of Mathematics, University of Munich

Spring 2011 Class tutor, Functional Analysis, Department of Mathematics, University of Munich

Autumn 2010 Class tutor, Algebra for teachers, Department of Mathematics, University of Munich

	Spring 2010	Class tutor, Linear Algebra for Computer scientists, Department of Mathematics, University of Munich
	Autumn 2009	Teaching Assistant, Complex analysis, Department of Mathematics, University of Munich
GRANTS AND AWARDS	Since 03/20	Lise Meitner postdoctoral fellowship of the FWF (No. M2811-N, 2 years, €159.340,00), University of Vienna, terminated in Sep. 2020 to take up Junior professorship at the KIT
	2015–2017	PhD Scholarship of the German Academic Scholarship Founda- tion (Studienstiftung des dt. Volkes), University of Oxford
	2014–2015	Scholarship for doctoral students by the German Academic Ex- change Services (DAAD), University of Oxford
	2013–2017	EPSRC research studentship, University of Oxford
	2013	Lehre@LMU scholarship for conference funding, University of Munich
	2009–2013	Scholarship of the German Academic Scholarship Foundation (Studienstiftung des deutschen Volkes), University of Munich
EXTENDED PROFESSIONAL TRAVEL	01/18 – 02/18	Visit to UNAM as guest of Dr. Pierre Py, Mexico City, Mexico, 5 weeks.
	01/16	Visit to the Tata Institute for Fundamental Research as guest of Prof. Mahan Mj, Mumbai, India, 3 weeks.
OTHER PROFESSIONAL ACTIVITIES	09/18 – 6/18	Organiser of a working group of doctoral students and postdocs in Geometric Group Theory at the University of Paris-Sud
LANGUAGES		Fluent in German, English, Spanish and French