Jean-Marc Schlenker

— Born 05/31/1968 in Grenoble (France), french citizen. Married, 3 children : Liséa, born 19/01/2011, Arthur and Gaspard, both born 3/12/2012.
— Address : Mathematics department, University of Luxembourg, Maison du nombre, 6 avenue de la Fonte L-4364 Esch-sur-Alzette, Luxembourg
— Email : `jean-marc.schlenker@uni.lu` ; `http://math.uni.lu/schlenker`.

Academic curriculum

— 17.1.2000 : "Habilitation", Université Paris-Sud (Orsay).
— 9.1992-8.1995 : PhD, Ecole Polytechnique. Advisor : François Labourie. Title : isometric immersions of surfaces. Defended 12.12.1994.
— 9.1991-7.1992 : D.E.A. (master) d'Analyse Non-Linéaire Appliquée at Ecole Polytechnique and Université Paris IX (Dauphine). "Stage de D.E.A." at Ecole Polytechnique under the supervision of François Labourie on isometric immersions.
— 9.1989-7.1991 : Undergraduate studies, Ecole Polytechnique.

Employment

— 4.2013-$\cdots$: Professor, University of Luxembourg.
— 9.2000-$\cdots$: Professor, Université Toulouse III. 1st class since 9.2005. On leave to CNRS (one semester each) in 2004-05, 2007-08, 2011-12. On leave since 2013.
— 9.1995-8.1999 : Maître de conférences, Université Paris-Sud (Orsay). "Détachement" to CNRS and visit to FIM, ETH Zürich, 9.1999–8.2000.

Main administrative responsabilities

— Dean of the Faculty of Science, Technology and Communication, University of Luxembourg, Oct 2018–Oct 2023.
— Head of the Mathematics Department, University of Luxembourg, Jan–Oct 2018.
— Deputy director of Institut de Mathématiques de Toulouse, 1/2011–12/2012. Significant contribution to setting up the successful Labex (CIMI) and Idex (UNITI) projects involving IMT.
— Member of *Comité de suivi de la loi LRU*, 1.2010–1.2013. *President* of the committee, 2.2011–1.2013.
— Member of the scientific council (COS) of *Observatoire des Sciences et Techniques*, a branch of HCERES (French evaluation organization) in charge of providing bibliometric data.
— Member of HCERES committee for institutional evaluation of *Paris Sciences et Lettres (PSL University)*, 2017, and *Ecoles Centrale de Nantes*, 2021.

Main scientific responsabilities

— Associate editor since 2009, and co-Editor in Chief since 1.2013, of *Geometriae Dedicata*. Previously, associate editor of *Annales de la Faculté des Sciences de Toulouse, mathématiques*, 2002-05.
— Coordinator of the Fermat prize for the 2009 edition. The Fermat prize is a research prize in mathematics, awarded every other year in one of three areas (variational principles, number theory, probabilities). Recent laureates were A.J. Wiles (1995) - M. Talagrand (1997) - F. Bethuel, F. Hélein (1999) - R. L. Taylor, W. Werner (2001) - L. Ambrosio (2003) - P. Colmez, J.-F. Le Gall (2005) - C. Khare (2007) - E. Lindenstrauss, C. Villani (2009).
— Member of C.N.U. (Conseil National des Universités), 2007-2010. C.N.U. is responsible for giving the possibility to apply to positions in France (qualification) and also for half the promotions of faculty in the country.
— Member of the AERES/HCERES (french evaluation agency) evaluation committees of the mathematics departments at *Ecole Polytechnique* (CMLS & CMAP), 2008, *Ecole Normale Supérieure* (DMA), 2009 and 2017, *Ecole Normale Supérieure de Lyon* (UMPA), 2010, *Fondation des Sciences*

Mathématiques de Paris (FSMP), 2013, *Institut Fourier* (Grenoble), 2015, *Institut de recherche mathématique de Rennes*, 2021. President of HCERES evaluation committee for *Institut de recherche mathématique de Rennes*, March 2021.

— Member of the quadrennial evaluation panel of mathematics departments in Portugal (FCT) in 2008. Member of the FCT grant evaluation committee in 2009, and *chair* of this committee in 2011.
— Member of a DFG panel for a Transregional Collaborative Research Centre, in 2010, 2011, 2016, 2020.
— Member of the Mathematics and Statistics Evaluation Group of the Natural Sciences and Engineering Research Council of Canada (NSERC), 2014–2016 (on leave in 2015).
— Member of the *Research Council of Norway* panel for grants in mathematics, 2015, 2016, 2017.
— Since 2000, I've done a number of scientific evaluations for the french ministry of research. In particular I was on the committee for the PEDR, later renamed PES (a supplement to the salary attributed for 4 years to the most active researchers) in pure and applied mathematics in 2001, 2002, 2003, 2006, 2007, 2009, and *president* of this committee in 2010. various countries, etc).
— Regularly write referee reports or screening advices for various mathematical journals, for instance *Acta Mathematica*, *Duke Math. J.*, *Inventiones math.*, *J. Differential Geom.*, *J. Amer. Math. Soc.*, etc.
— Defence committees : Habilitations of Zindine Djadli (Cergy, 2003), Zhongmin Qian (Toulouse, 2004), Sergiu Moroianu (Toulouse, 2004), Thierry Barbot (Lyon, 2005), Xiang-Dong Li (Toulouse, 2007), Sorin Dumitrescu (Orsay, 2008), Vincent Guirardel (Toulouse, 2009), Olivier Guichard (Orsay, 2011, chair), Eric Colin de Verdières (ENS Paris, CS, 2012), François Fillastre (U. Cergy, 2015), Pierre Mounoud (Bordeaux, 2015, report), Fanny Kassel (Lille, 2016), and Nicolas Tholozan (ENS, 2021). Reports for the habilitations of Boris Springborn (T.U. Berlin, 2008) Charles Frances (Orsay, 2012), Graham Smith (Grenoble, 2017), and Hao Chen (Göttingen, 2021).

PhD thesis of Antonónio Salgueiro (Toulouse,2004), Graham Smith (Orsay, 2004, report), Laurent Mazet (Toulouse, 2004), François Guéritaud (Orsay, 2006), Samuel Tapie (Grenoble, 2009, chair), Juliette Genzmer (Paris 6, 2010, report), Manuel Caroli (INRIA Sophia-Antipolis, CS, 2010, chair), Mehdi Belraouti (Avignon, 2013), Mikhail Bogdanov (INRIA Sophia-Antipolis, CS, 2013, report) Daniel Monclair (ENS Lyon, 2014), Tiffany Covolo (Luxembourg, 2014, chair), Nicolas Tholozan (Nice, 2014), Olivier Glorieux (Paris 6, 2015, report) Maria Hempel (ETHZ, 2015, report), Andrea Seppi (U. Pavie, 2015, report), Vincent Alberge (U. Strasbourg, 2016), Clément Debin (Grenoble, 2016, report), Miguel Acosta (Paris 6, 2017, report).

Organization of scientific events

— Conference for the 60th birthday of François Labourie (title to be defined), July 2022. Co-organizer.
— Workshop on Combinatorial and algebraic aspects of geometric structures, Chiang Mai, July 22-26, 2019. Organizing committee.
— Winter school (Jan 7–11) and Conference (Jan 14–18) on Geometric structures, Nice 2019. Organizing committee.
— Conference on pseudo-Riemannian geometry and Anosov representations. June 11–14, 2018, University of Luxembourg. Organizing committee.
— GAAG days – Geometry in action, actions in geometry : Strasbourg, Feb 3, 2017, Nancy, June 13, 2019, Luxembourg, Jan 18, 2018, Nancy, June 25, 2018.
— Singapore Luxembourg Interactions iN Geometry (SLING), NUS, Singapore, May 3-5, 2017.
— Teichmueller theory and geometric structures on 3-manifolds, Luxembourg, June 12-14, 2017.
— Confererence *Variétés de représentations*, Rennes, June 2017. (Scientific committee.)
— Workshop *Computational geometry in non-Euclidean spaces*, Nancy, Aug 26-28, 2015.
— Workshop *3 dimensional Geometric Structures, Representations of Surface Groups and related topics*, University of Luxembourg, July 13-15, 2015.
— Workshop "Regards croisés sur les structures géométriques et la géométrie lorentzienne", Avignon, Sept 8-10, 2014.

— Program on Teichmüller theory and 3-dimensional geometry, Centro di Giorgi, Italy, May-June 2014 (scientific committee).
— Trimester on *Geometry and analysis of surface group representations*, I.H.P., Jan-Mar 2012.
— Workshop "Immersed surfaces in 3-manifolds", IHP, Mar 26-30, 2012.
— Conference "Surface groups in Paris", IHP, 2/2012.
— Conference "SPK 60" for the 60th birthday of Steve Kerckhoff, Luminy, June 2011. Organizing committee.
— "Analysis and geometry of surface group representations", 20-25/3/2011, Autrans, France.
— Conference "Teichmüller Theory and its Interactions in Mathematics and Physics", 6-7/2010, CRM, Bellaterra, Spain
— Summer school and workshop on Einstein metrics, Nantes, 27/6-03/7/2009.
— Program "Geometry, Topology and Dynamics of Character Varieties", 18 June 2010 – 15 Aug 2010, Institute of Mathematical Sciences (IMS), National University of Singapore (included a workshop and a conference which were satellite events of ICM 2010).
— "Geometric Structures in 2 and 3 dimensions", 17-22/01/2010, Autrans, France.
— "Variétés d'Einstein et au-delà", C.I.R.M., 26-30 nov. 2007.
— "Premier congrès Canada-France des sciences mathématiques", 12-15 juillet 2004, Toulouse.
— "Colloque Fermat", Toulouse, Oct. 2001.

Teaching experience

Various teaching since 9.1995, at every level from first-year to graduate courses. Advising of several research projects at the undergraduate or master's level.

Doctoral and post-doctoral supervision

PhD supervision.
— Abderrahim Mesbah, 11.2020–10.2024.
— Diptaishik Choudhury, 2.2019–1.2023.
— Filippo Mazzoli, 10.2016–9.2020. Now postdoctoral fellow, University of Virginia, 8.2020–8.2023.
— Andrea Tamburelli, 9.2015–06.2018. Now postdoctoral fellow (2018–2021), Rice University.
— Jérémy Toulisse, 9.2012-7.2015, on 3-dimensional AdS manifolds with cone singularities. Maître de conférences, U. Nice, from 9/2019.
— Boubacar Diallo, 9.2007-11.2014, on convex cores of globally hyperbolic anti-de Sitter manifolds. Current situation : works in small business.
— Dmitriy Slutskiy, 9.2008–10.2013, on hyperbolic manifolds with convex boundary. Co-supervision with Victor Alexandrov (Novosibirsk). Dmitriy was in Novosibirsk for the beginning of his PhD but was in Toulouse during the academic years 2010-11 and since 2011–12. Postdoc in Strasbourg, 10.2013–9.2015, and Cergy, 10.2015-9.2016. Now Data analyst at Engie.
— Brice Loustau, 9.2008–07.2011, on the complex symplectic structure of the space of quasifuchsian representations. Postdoc at Orsay, 9.2011–8.2014, IMPA, 9.2014-8.2015, at Rutgers U., 9.2015–8.2018, Darmstadt, 9.2018-8.2020.
— François Fillastre, 2002-2006, on Fuchsian isometric embeddings of surfaces. Co-supervision with Bruno Colbois (Neuchatel). Currently Maître de Conférences at Cergy University.
— Grégoire Montcouquiol, 2001-2005, on deformations of singular Einstein manifolds. Currently Maître de Conférences at Université Paris-Sud (Orsay).

Short research projects of PhD students.
— 2-months research project of Susovan Pal (PhD student, Rutgers), June-July 2013. Support from a REGS grant from the GEAR research network.
— 3-months research project of Andrea Seppi (PhD student, U. Pavia), Apr-May and July 2014.
— 2-months research project of Isaac Solomon (PhD student, Brown University), GEAR REGS, May-June 2015.

Supervision of postdoctoral researchers.

— Christian El Emam, 10.2020–8.2021.
— Sourav Ghosh, FNR OPEN, 10.2018–9.2020. Now assistant professor, Ashoka University (India).
— Sun Zhe, FNR OPEN, 9.2018–8.2020. Now postdoctoral fellow, IHES.
— Miguel Acosta, FNR OPEN, 9.2018–8.2020. Now secondary school teacher (Professeur Agrégé), France.
— Binbin Xu, FNR INTER, 9.2017-8.2020. Now still postdoctoral fellow, University of Luxembourg (other group).
— Vincent Pecastaing (UL), 1.2017–9.2020. Now Maître de Conférences, Université de Nice.
— Louis Merlin, UL, 1.2018–9.2019. Then postdoc, Aachen University, from 9.2019.
— Clément Guérin, FNR AFR & OPEN, 9.2016—8.2019. Professeur Agrégé, Centre Universitaire, Mayotte, from 9.2019.
— Andrea Seppi, FNR OPEN, 1.2018–12.2019. Now CR CNRS, Institut Fourier, Grenoble.
— Olivier Glorieux, FNR AFR, Dec 2016-Oct 2018. Now postdoc at IHES.
— Andrew Yarmola, UL IRP then FNR OPEN, 9.2016-2.2018. Currently postdoctoral fellow, Princeton University.
— Daniel Monclair, FNR AFR PDR then UL, 7.2015–8.2017. Currently Maître de Conférences, Université Paris-Sud (Orsay).
— Clara Aldana, FNR AFR PDR then FNR OPEN, 1.2015–10.2018. Now Assistant professor, Universidad del Norte in Barranquilla, Colombia.
— Nicolas Tholozan, UL, 1.2015–12.2016. Currently CNRS researcher at Ecole Normale Supérieure.
— Hengnan Hu, IRP of UL, 3.2015–2.2017. Currently Asset and Liability management at Bank of China Luxembourg.
— Son Lam Ho, IRP of UL, 9.2014–2.2015. Currently Data analyst, Property Pricetag.
— Sara Maloni, Toulouse, 6 months in 2012, ANR funding. Currently Assistant Professor (tenure-track), University of Virginia (USA).

Grants and funding

— FNR OPEN project CoSH, 9.2021-8.2024, 734kE.
— FNR AFR bilateral project with Singapore (co-appliquant with Hugo Parlier), COALAS, two 2-year postdoctoral positions funded, 9.2018–10.2020, approx. 280kE.
— FNR INTER/ANR project SoS (co-appliquant with Hugo Parlier), 4.2018-3.2022, 218kE (Luxembourg side).
— University of Luxembourg internal grant NeoGeo, 9.2017–8.2019, 201kE.
— FNR OPEN project AGoLoM, 9.2017–8.2020, 667kE.
— FNR INTER/ANR project Dyngeo (with ANR partners Olivier Guichard and François Labourie), 1.2017–12.2020, 307kE (Luxembourg side).
— FNR AFR project with Singapore, with Ser Peow Tan (NUS), two 2-year postdoctoral positions funded, 9.2016-12.2018, approx. 280kE.
— FNR AFR postdoctoral grant, Daniel Monclair, July 2015–June 2017.
— FNR AFR postdoctoral grant, Clara Aldana, Dec 2014–Nov 2016.
— University of Luxembourg internal grant GeoLoDim, 2014–2017 (304kE).
— Member of the GEAR NSF research network (2012-2019).
— Coordinator of the A.N.R. program "ETTT", 2009–13 (total funding 188kE).
— Member (15 %) of the A.N.R. program "Flows and Operators in Geometry", 2007–10.
— M.I.T.-France grant, with Igor Pak (MIT), 2007.
— Member (65%, in charge of the Toulouse node) of an ANR program on "Higher Teichmüller theory", 2006–09.
— Member (33%) of the A.N.R. program "geometry of non-compact or singular Einstein metrics", 2006–09.
— Coordinator of a "ACI jeune chercheur" program on "Special metrics on manifolds with boundary", 2003–06.

Outreach and general audience communication

— Since it's creation in 2007 I have been involved *nonfiction.fr*, a website with a wide audience publishing book reviews on a daily basis. From 2007 to 2010 I have coordinated the science part of the project.
— From March 2008 to December 2010 I wrote monthly (in principle) columns in *La Tribune*, one of the main national daily newspapers in France, on themes related to research and higher education.

Miscellaneous

Fluent in french and english. Basic written and spoken german. Basic understanding of italian (needs brushing up). Good programing skills (mostly python, sagemath).

Chevalier de l'Ordre National du Mérite (11.2010).

Publication list

Articles (mathematics)

A 1 Compactly supported bidimensional wavelet bases with hexagonal symmetry. A. Cohen and J.-M. Schlenker. *Constructive Approximation*, 9 :209–236, 1993.

A 2 Surfaces convexes dans des espaces lorentziens à courbure constante. J.-M. Schlenker. *Commun. Anal. and Geom.*, 4 :285–331, 1996.

A 3 Métriques sur les polyèdres hyperboliques convexes. J.-M. Schlenker. *Journal of Differential Geometry*, 48(2) :323–405, 1998.

A 4 Représentations de surfaces hyperboliques complètes dans H^3. J.-M. Schlenker. *Annales de l'Institut Fourier*, 48(3) :837–860, 1998.

A 5 Généricité des hypothèses de non focalisation. N. Burq and J.-M. Schlenker. Annexe à *Contrôle de l'équation des ondes dans des ouverts peu réguliers*, N. Burq, *Bulletin de la S.M.F.* 126 (1998), 601–637.

A 6 The Schläfli formula in Einstein manifolds with boundary. I. Rivin and J.-M. Schlenker. *Electronic Research Announcements of the A.M.S.* 5 (1999) 18-23.

A 7 Dihedral angles of convex polyhedra. J.-M. Schlenker. *Discrete Comput. Geom.*, 23(3) :409–417, 2000.

A 8 Surfaces convexes fuchsiennes dans les espaces lorentziens à courbure constante. F. Labourie and J.-M. Schlenker. *Math. Annalen* 316 (2000) 3, 465-483.

A 9 Surfaces à courbure extrinsèque négative dans l'espace hyperbolique. J.-M. Schlenker. *Annales Scientifiques de l'E.N.S.* 34(2001) :1, 79-130.

A 10 Convex polyhedra in Lorentzian space-forms. J.-M. Schlenker. *Asian Journal of Math.* 5(2001) :2, 327-364.

A 11 Einstein manifolds with convex boundaries. J.-M. Schlenker. *Commentarii Mathematici Helvitici* 76(2001) :1, 1-28.

A 12 Hypersurfaces in H^n and the space of its horospheres. J.-M. Schlenker. *Geom. Funct. Anal.* 12(2002) :2 pp. 395-435.

A 13 Higher Schläfli formulas and applications. J.-M. Schlenker and R. Souam. *Compositio Mathematica* 135(2003) :1, 1-24.

A 14 Rhombic embeddings of planar quad-graphs. Richard Kenyon, Jean-Marc Schlenker. math-ph/0305057, 2003. *Trans. Amer. Math. Soc.* 357 (2005), 3443-3458.

A 15 A rigidity criterion for non-convex polyhedra. Jean-Marc Schlenker. math.DG/0301333, 2003. *Discrete Comput. Geom.* 33 (2005) :2, 207-221.

A 16 Hyperideal circle patterns. Jean-Marc Schlenker. math.GT/0407043, 2004. *Math. Res. Lett.* 12 (2005) :1, 85-102.

A 17 Hyperbolic manifolds with convex boundary. Jean-Marc Schlenker. math.DG/0205305, 2002. *Inventiones mathematicae* 163(2006) :1, 109-169.

A 18 Jean-Marc Schlenker. Small deformations of polygons and polyhedra. *Trans. Amer. Math. Soc.* 359 (2007), 2155-2189. math.DG/0410058.

A 19 Minimal surfaces and particles in 3-manifolds. Kirill Krasnov and Jean-Marc Schlenker. math.DG/0511441, 2005. *Geometriae dedicata* 126 :1 (2007), 187-254.

A 20 Notes on a paper of Mess. Lars Andersson, Thierry Barbot, Riccardo Benedetti, Francesco Bonsante, William M. Goldman, François Labourie, Kevin P. Scannell, Jean-Marc Schlenker. *Geometriae Dedicata* 126 :1 (2007), 47-70.

A 21 On the renormalized volume of hyperbolic 3-manifolds. Kirill Krasnov, Jean-Marc Schlenker. math.DG/0607081. *Comm. Math. Phys.* 279 :3 (2008), 637-668.

A 22 Circle patterns on singular surfaces. Jean-Marc Schlenker. math.DG/0601631. *Discr. Comput. Geom.* 40(2008) :1, 47-102.

A 23 Higher Schläfli formulas II. Vector-valued differential relations. Jean-Marc Schlenker, Rabah Souam. math.DG/0611499. *Intern. Math. Res. Notices*, . Int. Math. Res. Not. 2008, Art. ID rnn 068, 44 pp.

A 24 AdS manifolds with particles and earthquakes on singular surfaces. Francesco Bonsante, Jean-Marc Schlenker. math.GT/0609116. *Geom. Funct. Anal.* 19 :1 (2009) 41–82.

A 25 On the infinitesimal rigidity of weakly convex polyhedra. Robert Connelly and Jean-Marc Schlenker. math.DG/0606681. *European Journal of Combinatorics* 31(2010) :4, 1080-1090.

A 26 Quasifuchsian manifolds with particles. Sergiu Moroianu, Jean-Marc Schlenker. *Journal of Differential Geometry* 83 :1 (2009), 75-129.

A 27 On weakly convex star-shaped polyhedra. Jean-Marc Schlenker. arXiv :0704.2901. *Discrete Mathematics* 309(2009) :20, 6139-6149.

A 28 Representations of quantum permutation algebras. Teodor Banica, Julien Bichon, Jean-Marc Schlenker. arXiv :0901.2331. *J. Funct. Anal.* 257 (2009), 2864-2910.

A 29 A symplectic map between hyperbolic and complex Teichmüller theory. Kirill Krasnov, Jean-Marc Schlenker. arXiv :0806.0010. *Duke Mathematical Journal* 150(2009) :2, 331-356.

A 30 Profiles of inflated surfaces. Igor Pak, Jean-Marc Schlenker. arXiv :0907.5057. *Journal of Nonlinear Mathematical Physics* 17 :2 (2010) 145–157.

A 31 On the infinitesimal rigidity of polyhedra with vertices in convex position. Ivan Izmestiev, Jean-Marc Schlenker. arXiv :0711.1981. *Pacific J. Math.* 248(2010) :1, 171-190.

A 32 The Weil-Petersson metric and the renormalized volume of hyperbolic 3-manifolds. Kirill Krasnov and Jean-Marc Schlenker. in Handbook of Teichmüller theory. Volume III, Vol. 17 of *IRMA Lect. Math. Theor. Phys.*, 779–819, Eur. Math. Soc., Zürich (2012).

A 33 Multi Black Holes and Earthquakes on Riemann surfaces with boundaries. Francesco Bonsante, Kirill Krasnov, Jean-Marc Schlenker. math.GT/0610429. *Intern. Math. Res. Not.* 2011, no. 3, 487–552.

A 34 On orthogonal matrices maximizing the 1-norm. Teodor Banica, Benoit Collins, Jean-Marc Schlenker. arXiv :0901.2923. *Indiana Univ. Math. J.* 59(2010) :3, 839–856.

A 35 Maximal surfaces and the universal Teichmüller space. Francesco Bonsante, Jean-Marc Schlenker. arXiv :0911.4124. *Inventiones Math.* 182(2010) :279-333.

A 36 On polynomial integrals over the orthogonal group. Teodor Banica, Benoit Collins, Jean-Marc Schlenker. arXiv :0910.1258. *J. Combinatorial Theory A* 118 :3 (2011), 778-795.

A 37 Volume maximization and the extended hyperbolic space. Feng Luo, Jean-Marc Schlenker. arXiv :0908.2023. *Proc. Amer. Math. Soc.* 140 :3 (2012) 1053–1068.

A 38 Combinatorial aspects of orthogonal group integrals. Teodor Banica, Jean-Marc Schlenker. arXiv :1011.2454. *Intern. J. Math.* 22 :11 (2011), 1611–1646.

A 39 Fixed points of compositions of earthquakes. Francesco Bonsante, Jean-Marc Schlenker. *Duke Math. J.* 161 :6 (2012) 1013–1056.

A 40 Collisions of particles in locally AdS spacetimes I. Local description and global examples. Thierry Barbot, Francesco Bonsante and Jean-Marc Schlenker. arXiv :1010.3602. *Comm. Math. Phys.* 308 (2011) :1, 147-200.

A 41 Flippable tilings of constant curvature surfaces. François Fillastre, Jean-Marc Schlenker. arXiv :1012.1594. *Illinois J. Math.* 56 :4(2012), 1213-1256.

A 42 Non-rigidity of spherical inversive distance circle packings. Jiming Ma, Jean-Marc Schlenker. arXiv :1105.1469. *Discrete and Computational Geometry* 47 :3 (2012), 610–617.

A 43 A cyclic extension of the earthquake flow. Francesco Bonsante, Gabriele Mondello, Jean-Marc Schlenker. arXiv :1106.0525. *Geometry and Topology* 17 (2013) :1, 157–234.

A 44 Collisions of particles in locally AdS spacetimes II. Moduli of globally hyperbolic spaces. Thierry Barbot, Francesco Bonsante, Jean-Marc Schlenker. arXiv :1202.5753. *Comm. Math. Phys.* 327(2014) :3, 691-735.

A 45 The renormalized volume and the volume of the convex core of quasifuchsian manifolds. Jean-Marc Schlenker. arXiv :1109.6663. *Math. Research Letters*, 20 (2013) :4, 773–786.

A 46 Recovering the geometry of a flat spacetime from a background radiation. Francesco Bonsante, Catherine Meusburger, Jean-Marc Schlenker. arxiv :1302.6966. *Annales Henri Poincaré* 15 :9(2014), 1733–1799. .

A 47 Analytic aspects of the circulant Hadamard conjecture Teodor Banica, Ion Nechita, Jean-Marc Schlenker arxiv :1212.3589. *Ann. Math. Blaise Pascal* 21 (2014), 25-59.

A 48 Submatrices of Hadamard matrices : complementation results. Teodor Banica, Ion Nechita, Jean-Marc Schlenker arxiv :1311.0764. *Electron. J. Linear Algebra* 27 (2014), 197–212.

A 49 The convex core of quasifuchsian manifolds with particles. Cyril Lecuire, Jean-Marc Schlenker. arXiv :0909.4182. *Geometry & Topology* 18-4 (2014), 2309–2373.

A 50 A cyclic extension of the earthquake flow II. Francesco Bonsante, Gabriele Mondello, Jean-Marc Schlenker. arXiv :1208.1738. *Annales Scientifiques de l'ENS* 48(2015) :4, 811-–859.

A 51 Small circulant complex Hadamard matrices of Butson type. Gaurush Hiranandani,Jean-Marc Schlenker. arxiv :1311.5390. *European Journal of Combinatorics* 51, Jan 2016, 306–314.

A 52 The renormalized volume and uniformisation of conformal structures. Colin Guillarmou, Sergiu Moroianu, Jean-Marc Schlenker. arXiv :1211.6507. *J. Inst. Math. Jussieu*, 17 (2018), no. 4, 853–912.

A 53 Symplectic Wick rotations between moduli spaces of geometric structures on 3-manifolds. Carlos Scarinci, Jean-Marc Schlenker. arXiv :1411.4772. *Annali della Scuola Normale Superiore di Pisa, Classe di Scienze* (5) 18 (2018), no. 3, 781–829.

A 54 Hyperbolic ends with particles and grafting on singular surfaces. Qiyu Chen, Jean-Marc Schlenker. arXiv :1704.07167. *Annales de l'IHP, Analyse non-linéaire*, 36 (2019), no. 1, 181–216.

A 55 Constant Gauss curvature foliations of AdS spacetimes with particles. Qiyu Chen, Jean-Marc Schlenker. arXiv :1610.07852. *Transactions of the American Math. Soc.*, 373(2020) :6, 4013–4049.

A 56 Polyhedra inscribed in a quadric. Jeffrey Danciger, Sara Maloni, Jean-Marc Schlenker. arXiv :1410.3774. *Inventiones Mathematicae* 221(1), 237-300.

A 57 Volumes of quasifuchsian manifolds. Jean-Marc Schlenker. arXiv :1903.09849. To appear, *Surveys in Differential Geometry*, vol. 24, 2020.

A 58 The induced metric on the boundary of the convex hull of a quasicircle in hyperbolic and anti de Sitter geometry. Francesco Bonsante, Jeffrey Danciger, Sara Maloni, Jean-Marc Schlenker. arXiv :1902.04027. To appear, *Geometry & Topology*

A 59 Weakly Inscribed Polyhedra. Hao Chen and Jean-Marc Schlenker. arXiv :1709.10389. To appear, Trans. Amer. Math. Soc., B

A 60 Quasicircles and width of Jordan curves in $\mathbb{CP}^1$. Francesco Bonsante, Jeffrey Danciger, Sara Maloni, Jean-Marc Schlenker. arXiv :1902.04027. To appear, *Bulletin of the London Mathematical Society.*

A 61 Bending laminations on convex hulls of anti-de Sitter quasicircles. Louis Merlin, Jean-Marc Schlenker. arXiv :2006.13470. To appear, *Proc. London Math. Soc.*

A 62 A hyperbolic proof of Pascal's Theorem Miguel Acosta, Jean-Marc Schlenker. arXiv :2012.14883. To appear, *The Mathematical Intelligencer.*

Recent preprints

P 1 Some questions on anti-de Sitter geometry. Thierry Barbot, Francesco Bonsante, Jeff Danciger, William M. Goldman, François Guéritaud, Fanny Kassel, Kirill Krasnov, Jean-Marc Schlenker, Abdelghani Zeghib. arXiv :1205.6103. (Not submitted.)

P 2 Higher signature Delaunay decompositions. Jeffrey Danciger, Sara Maloni, Jean-Marc Schlenker. arXiv :1602.03865.

P 3 Notes on the Schwarzian tensor and measured foliations at infinity of quasifuchsian manifolds. (Review paper, not submitted.) Jean-Marc Schlenker. arXiv :1708.01852.

P 4 Delaunay Triangulations of Points on Circles. Vincent Despré, Olivier Devillers, Hugo Parlier, Jean-Marc Schlenker. arXiv :1803.11436.

P 5 Properness for circle packings and Delaunay circle patterns on complex projective structures. Jean-Marc Schlenker and Andrew Yarmola. arXiv :1806.05254.

P 6 Hyperideal polyhedra in the 3-dimensional anti-de Sitter space. Qiyu Chen and Jean-Marc Schlenker. arXiv :1904.09592.

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