Centro di Ricerca Ennio de Giorgi Scuola Normale Superiore 56100 Pisa Collegio Puteano, Piazza dei Cavalieri 3 amos.turchet@sns.it

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	EMPLOYMENT
	Junior Visitor, Scuola Normal Superiore di Pisa Acting Assistant Professor, University of Washington Postdoctoral Researcher, Chalmers University of Technology
	VISITING APPOINTMENTS
2013	Academic guest, Rational Points, Rational Curves and Entire Holomorphic Curves on Algebraic Varieties, Centre de recherches mathématiques, Montréal
2012 - 2013	Visiting Researcher, Brown University, Advisors: Prof.s Dan Abramovich and Joseph Silverman
	EDUCATION
2014	Ph.D. Mathematics, Università degli studi di Udine (advisor: Pietro Corvaja)
2010	M.S. Mathematics, Università degli studi di Udine, cum laude
2007	B.S. Mathematics, Università degli studi di Udine, cum laude
2007	Classical Guitar Diploma, Conservatorio A. Boito di Parma, $10/10$
	RESEARCH INTERESTS

Arithmetic and Algebraic Geometry, Number Theory

AWARDS AND GRANTS

- 2019 Qualification for Maître de conférences
- 2018 Nominee, University of Washington Postdoc Mentoring Award
- 2017 Grant for "Where Geometry meets Number Theory, a conference for 60th birthday of P. Salberger": 110.000 SEK (Gothenburg Center for Advanced Studies GoCAS) and 93.000 SEK (Swedish Research Council)
- 2016 Grant for "Number Theory Days 5": 25.000 SEK (GoCAS)
- 2015 Grant for "Number Theory Days 3": 35.000 SEK (GoCAS)
- 2014 Knut and Alice Wallenberg Foundation Travel grant
- 2011 2014 MIUR Ph.D. Scholarship
- 2003 2008 Scholarship for Academic Merit, Magnano in Riviera, UD

PUBLICATIONS

IN JOURNALS AND VOLUMES

1. Fibered Threefolds and Lang-Vojta's Conjecture over Function Fields.

Transactions of the American Mathematical Society 369 (2017), no.12, 8537-8558 doi: 10.1090/tran/6968

- 2. A fibered power theorem for pairs of log general type. (with K. Ascher.) Algebra and Number Theory 10 (2016), no. 7, 1581–1600. doi: 10.2140/ant.2016.10.1581
- 3. Invitation to Integral and Rational points on curves and surfaces. (with P. Das.) Rational Points, Rational Curves, and Entire Holomorphic Curves on Projective Varieties, Contemporary Mathematics, vol. 654, Amer. Math. Soc., Providence, RI, 2015, pp. 53-73. doi: 10.1090/conm/654/13215

SUBMITTED FOR PUBLICATION

- 4. Uniformity for integral points on surfaces, positivity of log cotangent sheaves and hyperbolicity. (with K. Ascher and K. DeVleming.) submitted.
- 5. The Erdös–Ulam problem, Lang's Conjecture, and uniformity. (with K. Ascher and L. Braune) submitted.
- 6. Lang-Vojta Conjecture over function fields for surfaces dominating \mathbb{G}_m^2 . (with L. Capuano.) submitted.

IN PREPARATION

- 7. Geometric Lang-Vojta Conjecture in \mathbb{P}^2 . (with K. Ascher and M. Talpo.) – in preparation.
- 8. Exceptional Loci and Special Manifolds. (with E. Rousseau and J. Wang) in preparation.

OTHER PUBLICATIONS

- 9. Hyperbolicity of Varieties of log general type: arithmetic and geometry. (notes for the course given with K.Ascher) -2019
- 10. Geometric Lang-Vojta Conjecture in the projective plane. Ph.D. Thesis, 2014;

LECTURE SERIES

- 2019 School (and Workshop) on Diophantine geometry and special varieties Trento, September 2019, Supporting lecturer
- 2018 Geometry and arithmetic of orbifolds, Montréal December 2018

 Title: Arithmetic and Geometry of log pairs (w. Kenny Ascher 4 lectures)

SEMINARS AND CONFERENCES AS SPEAKER

2019 Summer program on complex geometry and several complex variables, Shanghai Center for Mathematical Sciences

Université Paris-Sud, Audition pour MDC

Diophantine Approximation and Value Distribution Theory at the interface of Arithmetic and Complex Hyperbolic Geometry. UQAM, Montréal

Hawaii Number Theory 2019 conference (HINT 2019)

Arithmetic Geometry Session

Greater Vancouver Number Theory Day, UBC, Vancouver

2018 Canadian Math Society Winter Meeting, Vancouver

Recent Advances in Arithmetic and Hyperbolic Geometry

University of Oxford, Arithmetic Geometry Seminar

Spring Eastern Sectional AMS Meeting, Portland University

Special Session on Algebraic Geometry and its Connections

University of Oxford, Algebraic Geometry Seminar

- 2017 Banff International Research Station, Diophantine Approximation and Algebraic Curves UBC, Algebraic Geometry Seminar
- 2016 University of Oregon, Number Theory Seminar

University of Washington, Number Theory Seminar

University of Washington, Algebra and Algebraic Geometry Seminar

KTH, Seminar Algebra and Geometry

Aix Marseille Université, Séminaire Géométrie, Dynamique et Topologie

Universität Bayreuth, Algebraic Geometry Seminar

Johannes Gutenberg University Mainz, SFB-Kolloquium

2015 Terzo Incontro Italiano di Teoria dei Numeri, Centro de Giorgi Pisa Quantitative arithmetic geometry, Mittag-Leffler Institute \mathbb{N}^3 -days 2, University of Copenhagen

Chalmers University of Technology, Algebraic Geometry Seminar

2014 Universität Basel, Seminar Algebra and Geometry

Banff International Research Station, Vojta's Conjectures

Chalmers University of Technology, Number Theory Seminar

Intercity workshop in Arakelov Theory, "Sapienza" Università di Roma

On Lang and Vojta's conjectures, CIRM Marseille

- 2013 TULSF VIII (A meeting in Algebraic Geometry), Ljubljana University Brown University, Junior Arithmetic and Algebraic Geometry Seminars
- 2012 Moduli of Curves and Gromov-Witten Theory, Institut Fourier

SELECTED CONFERENCES AS A PARTICIPANT

2019 Topics in Rational and Integral Points, Universität Basel
Birational Geometry and Hodge Theory – Entire Curves, Rational Curves and Foliation,
CIRM Marseille

2018 International summer school on Arithmetic geometry, Università degli Studi di Salerno Workshop on effectivity and ineffectivity for unlikely intersections, University of Manchester

- 2017 Western Algebraic Geometry Symposium, Fall 2017, UCLA
 - Specialization problems in Diophantine Geometry, Cetraro

Western Algebraic Geometry Symposium, Spring 2017, UBC

Banff International Research Station, Newton-Okunkov Bodies, Test Configurations, and Diophantine Geometry

- 2016 \mathbb{N}^3 -days 4, University of Copenhagen
- 2015 Banff International Research Station, Distribution of Rational and Holomorphic Curves in Algebraic Varieties

2015 Summer Research Institute on Algebraic Geometry, University of Utah

Final ERC meeting in Diophantine Geometry, Accademia dei Lincei

2014 \mathbb{N}^3 -days 1, University of Copenhagen

Second ERC Research Period on Diophantine Geometry, Cetraro

Géometrié Algébrique en Liberté, SISSA

2011 School and Conference on Modular Forms and Mock Modular Forms and their applications in Arithmetic, Geometry and Physics, ICTP

TEACHING

University of Washington, Professor

2019 Spring Math 308 H: Matrix Algebra (Linear Algebra)

Winter Math 340 G: Abstract Linear Algebra

2018 Fall Math 308 C: Matrix Algebra (Linear Algebra)

Math 308 D: Matrix Algebra (Linear Algebra)

Spring Math 308 B: Matrix Algebra (Linear Algebra)

Winter Math 582 G: Diophantine Geometry of Curves (Graduate Course)

Math 308 D: Matrix Algebra (Linear Algebra)

2017 Fall Math 402: Introduction to Modern Algebra I (Group Theory)

Spring Math 308 G: Matrix Algebra (Linear Algebra)

Winter Math 308 A: Matrix Algebra (Linear Algebra)

Math 308 D: Matrix Algebra (Linear Algebra)

2016 Fall Math 308 G: Matrix Algebra (Linear Algebra)

University of Washington, Reading courses

2018 Arithmetic of Elliptic Curves (1 graduate student)

Uniformity of Rational points (4 undergraduate students)

2017 Diophantine Equations (4 undergraduate students)

Primality Tests and Elliptic Curves (4 undergraduate students)

Primality Tests and the AKS Theorem (4 undergraduate students)

	CHALMERS UNIVERSITY OF TECHNOLOGY, Professor
2015	Scheme Theory (Graduate Course)
	CHALMERS UNIVERSITY OF TECHNOLOGY, Teaching assistant
2015	MVE085: Multivariable Calculus
	MVE016: Calculus II
2014	MVE085: Multivariable Calculus
	Università degli studi di Udine, Teaching assistant
2013 - 2014	Matematica Discreta per Informatica (Combinatorics, arithmetic and linear algebra)
2012 - 2013	Matematica Discreta per Informatica
2011 - 2012	Matematica Discreta per Informatica
	Matematica per Architettura (Multivariable calculus and linear algebra)
2010 - 2011	Matematica per Architettura
	Conference Organization
	Organizer
2019	AMS Joint Central and Western Sectional Meeting:
	Special session on "Arithmetic Geometry and its connections"
	Co-organizer: L. Capuano
2017	Where Geometry meets Number Theory, a conference for 60th birthday of P. Salberger
	Co-organizer: J. Brandes, T. Browning, O. Marmon
2016	\mathbb{N}^3 -days 5 at Chalmers University
	Co-organizers: J. Brandes, D. Eriksson, P. Salberger, M. Westerholt-Raum

ADVISING

2015

2011

THESIS SUPERVISED

 \mathbb{N}^3 -days 3 at Chalmers University

2016 Stepan Maximov, Trang Nguyen, Robin Sorsa Sigurdson, Olivia Stalin Chalmers University of Technology - Undergraduate thesis: "Primality Tests and the AKS primality test"

9th Metaheuristics International Conference (Local Organizer)

RESEARCH PROJECTS FOR UNDERGRADUATES

- Washington Experimental Mathematical Lab: Uniformity of Diophantine Equations
 Washington Experimental Mathematical Lab: Elliptic Curves and Primality Tests
 - Washington Experimental Mathematical Lab: The AKS Primality Test

Co-organizer: D. Eriksson, P. Salberger, M. Westerholt-Raum

OUTREACH

2018 Lecturer, Math Day - University of Washington

2017 Lecturer, Math Day - University of Washington

SERVICE

DEPARTMENTAL SERVICE

2018 Leading Acting Assistant Professor (guidance for new postdocs)

2014 – 2016 Chalmers University of Technology: Organizer of the Algebraic Geometry and Number Theory Seminar

COMMUNITY SERVICE

Referee for Journal of Pure and Applied Algebra, Mathematica Scandinava

Reviewer for Zentralblatt MATH

Member of the American Mathematical Society

Academic References

RESEARCH

Prof. Dan Abramovich, Brown University - abrmovic@math.brown.edu

Prof. Pietro Corvaja, Universitá degli studi di Udine - pietro.corvaja@uniud.it

Prof. Sándor Kóvacs, University of Washington - skovacs@uw.edu

Prof. Aaron Levin, Michigan State University - levina@msu.edu

Prof. Bianca Viray, University of Washington - bviray@uw.edu

TEACHING

Prof. Jayadev Athreya, University of Washington - jathreya@uw.edu

Prof. David Collingwood, University of Washington - colling@uw.edu