

# Curriculum vitae

## Pınar Kılıçer

### PERSONAL DATA

---

DATE OF BIRTH:	8 May 1986
PLACE OF BIRTH:	Kayseri, Turkey
ADDRESS:	Carl von Ossietzky Universität Oldenburg Institut für Mathematik 26111 Oldenburg, Germany
PHONE:	+49(0)441798-3239
EMAIL:	<a href="mailto:pinarkilicer@gmail.com">pinarkilicer@gmail.com</a>
WEB PAGE:	<a href="https://www.uni-oldenburg.de/pinar-kilicer/">https://www.uni-oldenburg.de/pinar-kilicer/</a>

### EMPLOYEMENT

---

Sep 2019– Sep 2017	Postdoctoral researcher at Carl von Ossietzky University of Oldenburg, Germany.
Sep 2017– Jul 2016	Postdoctoral researcher (supported by Deutsche Forschungsgemeinschaft) at Carl von Ossietzky University of Oldenburg, Germany.
Jul–Apr 2016	Postdoctoral fellow at Max Planck Institute for Mathematics in Bonn, Germany.

### EDUCATION

---

Jul 2016– Sep 2012	<b>ALGANT PhD</b> , <i>Leiden University</i> and <i>University of Bordeaux</i> , ‘The CM class number one problem for curves’, under the supervision of Marco Streng, Peter Stevenhagen and Andreas Enge.
Jul 2011– Sep 2009	<b>MSc in Mathematics</b> , <i>Koç University, Istanbul</i> , ‘Stark’s Conjectures and Hilbert’s 12th Problem’, under the supervision of Kazım Büyükboduk.
Sep 2009– Sep 2004	<b>BSc in Mathematics</b> , <i>Middle East Technical University, Ankara</i> .

## PREPRINTS

---

- 2018 **On primes dividing the invariants of CM Picard curves**, arXiv:1801.04682, with Elisa Lorenzo García, Marco Streng.
- 2017 **Plane quartics over  $\mathbb{Q}$  with complex multiplication**, arXiv:1701.06489, with Hugo Labrande, Reynald Lercier, Christophe Ritzenthaler, Jeroen Sijsling, Marco Streng.
- 2016 **A bound on the primes of bad reduction for CM curves of genus 3**, arXiv:1609.05826, with Kristin Lauter, Elisa Lorenzo García, Rachel Newton, Ekin Ozman, Marco Streng.
- 2015 **The CM class number one problem for curves of genus 2**, arXiv:1511.04869, with Marco Streng.

## IN PREPARATION

---

**Towards a formula for denominators of class invariants in genus 3**, with Sorina Ionica, Kristin Lauter, Elisa Lorenzo Garca, Maike Massierer, Adelina Mânzăţeanu, Christelle Vincent.

**Rational CM points and class polynomials for genus 3**, with Marco Streng.

**The CM class number one problem for curves of genus 3**

## INVITED TALKS

---

- Feb 2018 **The CM class number one problem for curves of low genus**, Workshop on curves of low genus, *Madrid, Spain*.
- Nov 2017 **On primes dividing the invariants of CM Curves of genus 3**, The 21st Workshop on Elliptic Curve Cryptography, *Nijmegen, Netherlands*.
- May 2017 **On primes dividing the invariants of CM Picard Curves**, Oberseminar, *Ulm University, Germany*.
- Sep 2016 **CM and some related problems**, Women in Numbers - Europe 2, *Lorentz Center, Netherlands*.
- May 2016 **Elliptic Curves: Complex Multiplication, class number one problem**, Colloquium of Department of Natural and Mathematical Sciences for Engineering, *Ozyegin University, Istanbul, Turkey*.
- May 2016 **The CM class number one problem for curves of genus 2**, Number Theory Seminar, *MPIM in Bonn, Germany*.
- Jan 2016 **The CM class number one problem for curves of genus 2**, Oberseminar, *Oldenburg University, Germany*.
- Dec 2015 Conference Arithmetic Geometry: Explicit Methods and Applications, *Independent University of Moscow, Russia*.

## OTHER TALKS

---

- Jul 2017 **The CM class number one problem for curves of low genus**, Workshop on curves of low genus, *Barcelona, Spain*.
- Jun 2017 **On primes dividing the invariants of CM Picard Curves**, AGCT-16, *CIRM, France*.
- Jun 2017 **On primes dividing the invariants of CM Picard Curves**, Oberseminar, *Oldenburg University, Germany*.
- Oct 2016 **Some problems related to CM theory**, Final annual conference of the DFG priority project SPP 1489, *Kaiserslautern University, Germany*.
- Feb 2016 **Curves of genus 2**, ALGANT meeting, *University of Duisburg-Essen, Germany*.
- Mar 2015 **The CM class number one problem for curves of genus 2 and 3**, ALGANT meeting, *University of Regensburg, Germany*.
- Apr 2014 **The CM class number one problem for curves of genus 2**, LFANT Seminar, *University of Bordeaux, France*.
- Mar 2014 **Jacobian of a curve**, Seminar on Stable Reduction for Curves, *University of Bordeaux, France*.
- Feb 2014 **The CM class number one problem for curves of genus 2**, ALGANT meeting, *University of Milan, Italy*.
- Nov 2013 **The CM class number one problem for curves of genus 2**, DIAMANT symposium, *Lunteren, Netherlands*.
- Oct 2013 **The introduction and the main theorems of Complex Multiplication**, Seminar on Complex Multiplication, *Leiden University, Netherlands*.
- Jun 2013 **Jacobians**, Seminar on Modular Forms, *Leiden University, Netherlands*.
- Apr 2013 **Elliptic Functions**, Seminar on Modular Forms, *Leiden University, Netherlands*.
- Jul 2013 **Stark Conjectures and Hilbert's 12th Problem**, Talk on master thesis, *Leiden University, Netherlands*.

## POSTER

---

- Sep 2015 **The CM class number one problem for curves of genus 2**, Modular Forms and Curves of Low Genus: Computational Aspects Workshop, *ICERM, Providence, USA*.

## CONFERENCE AND WORKSHOP PARTICIPATION

---

- Nov 2017 **The 21st Workshop on Elliptic Curve Cryptography**, *Nijmegen, Netherlands.*
- Sep 2017 **Curves and L-functions**, *ICTP– Trieste, Italy.*
- Jul 2017 **Workshop on Algorithms in Number Theory and Arithmetic Geometry**, *Leiden, Netherlands.*
- Jul 2017 **Workshop on curves of low genus**, *Barcelona, Spain.*
- Jul 2017 **FOCM-2017**, *Barcelona, Spain.*
- Jun 2017 **Workshop Arithmetic Geometry and Computer Algebra**, *Oldenburg, Germany.*
- Jun 2017 **Conference on Arithmetic, Geometry, Cryptography and Coding Theory**, *CIRM–Marseille, France.*
- May 2017 **Modular forms are everywhere**, *MPIM– Bonn, Germany.*
- Oct 2016 **Final annual conference of the DFG priority project SPP 1489**, *Kaiserslautern, Germany.*
- Sep 2016 **Women in Numbers - Europe 2**, *Lorentz Center, Netherlands.*
- Aug 2016 **ANTS-XII**, *University of Kaiserslautern, Germany.*
- Aug 2016 **Mathematical Structures for Cryptography**, *Lorentz Center, Netherlands.*
- May 2016 **DIAMANT symposium**, *Veenendaal, Netherlands.*
- Apr 2016 **Explicit Methods in Number Theory: Conference in Honour of Cremona’s 60th Birthday**, *University of Warwick, Coventry, England.*
- Feb 2016 **ALGANT meeting**, *University of Duisburg-Essen, Germany.*
- Sep 2015 **Modular Forms and Curves of Low Genus: Computational Aspects Workshop**, *ICERM, Providence, USA.*
- Jun 2015 **Belgian-Dutch Algebraic Geometry day/NoGaGs seminar**, *RU, Nijmegen, Netherlands.*
- May 2015 **DIAMANT symposium**, *Veenendaal, Netherlands.*
- May 2015 **Conference on Arithmetic, Geometry, Cryptography and Coding Theory**, *CIRM, Marseille, France.*
- Mar 2015 **Bethe Forum Constructive Methods in Number Theory**, *BCTP, Bonn, Germany.*
- Mar 2015 **ALGANT meeting**, *University of Regensburg, Germany.*
- Nov 2014 **DIAMANT symposium**, *Soest, Netherlands.*
- Sep 2014 **Workshop: Advanced School and Workshop on L-functions and modular forms**, *ICTP, Trieste, Italy.*

## CONFERENCE AND WORKSHOP PARTICIPATION

---

Jun 2014	<b>Conference: Effective aspects of moduli spaces and applications</b> , <i>CMHL, Rennes, France.</i>
Mar 2014	<b>Winter school: Frobenius distributions on curves</b> , <i>CIRM, Marseille, France.</i>
Feb 2014	<b>ALGANT meeting</b> , <i>University of Milan, Milan, Italy.</i>
Nov 2013	<b>DIAMANT symposium</b> , <i>Lunteren, Netherlands.</i>
Sep 2013	<b>Mini-courses Arithmetic method and applications</b> , <i>LMB, Besançon, France.</i>
Jul 2013	<b>SAGE Days: Algorithms in Arithmetic Geometry</b> , Lorentz Center Workshop, <i>Leiden University, Netherlands.</i>
Jul 2013	<b>Conference on Algebraic Geometry</b> , <i>UVA, Amsterdam, Netherlands.</i>
May 2013	<b>DIAMANT symposium</b> , <i>Heeze, Netherlands.</i>
Nov 2012	<b>Oberwolfach Seminar: Algorithms for Complex Multiplication over Finite Fields</b> , <i>MFO, Oberwolfach, Germany.</i>

## TEACHING

---

Winter 2017	<b>Algebraic number theory</b> , <i>Carl von Ossietzky University of Oldenburg.</i>
Fall 2012	<b>Algebraic number theory</b> , teaching assistant, <i>Leiden University.</i>
Spring 2012	<b>Abstract algebra II</b> , teaching assistant, <i>Koç University.</i>
Spring/Fall 2011	<b>Abstract algebra I-II</b> , teaching assistant, <i>Koç University.</i>
2009/2010	<b>Calculus I-II</b> , teaching assistant, <i>Koç University.</i>

## SEMINARS ORGANIZED

---

Fall 2013	<b>Complex multiplication</b> , with Chloe Martindale, <i>Leiden University.</i>
Spring 2013	<b>Modular forms</b> , with Dino Festi, <i>Leiden University.</i>

## LANGUAGES

---

**Turkish** (native speaker)  
**English** (fluent)  
**German** (A2-level)