

# Guher Camliyurt

McBryde Hall 422  
225 Stanger Street, Virginia Tech  
Blacksburg, VA, 24061-0123  
✉ gcamliyurt@vt.edu

## Academic Positions

- 2023–Present **Assistant Professor**, *Virginia Tech*, Department of Mathematics.  
Blacksburg, VA
- 2019–2023 **L.E. Dickson Instructor**, *University of Chicago*, Department of Mathematics.  
Chicago, IL
- 2018–2019 **Postdoctoral Member**, *Institute for Advanced Study*, School of Mathematics.  
Princeton, NJ

## Education

- 2013–2018 **PhD in Applied Mathematics**, *University of Southern California*, Los Angeles, California.  
Dissertation Topic: "Unique Continuation for Parabolic and Elliptic Equations and Analyticity Results for Euler and Navier Stokes Equations"  
Advisor: Igor Kukavica
- 2010–2013 **MSc in Mathematics**, *Boğaziçi University*, Istanbul, Turkey.  
Master Thesis: "Zeros of Orthogonal Polynomials and Universality Limits"  
Advisor: Alp Eden
- 2005–2010 **BSc in Mathematics**, *Boğaziçi University*, Istanbul, Turkey.

## Publications

- Camliyurt, G., Kenig, C. Scattering for radial bounded solutions of focusing supercritical wave equations in odd dimensions. *Nonlinear Anal.*, 236, Paper No. 113352, 2023.
- Camliyurt, G., Kukavica, I. and Vicol, V. C. Analyticity up to the boundary for the Stokes and Navier-Stokes systems. *Trans. Amer. Math. Soc.*, 373(5):3375–3422, 2020.
- Camliyurt, G., Kukavica, I. and Vicol, V. C. A Gevrey space-time regularity for solutions of the Navier-Stokes equations in half-space. *J. Differential Equations*, 265(9):4052–4075, 2018.
- Camliyurt, G., Kukavica, I. and Wang, F. On localization and quantitative uniqueness for the elliptic partial differential equations. *Partial Differential Equations in Fluid Mechanics-Edited by Charles L. Fefferman, James C. Robinson, Jose L. Rodrigo*, 2018.
- Camliyurt, G., Kukavica, I. and Wang, F. On quantitative uniqueness for elliptic equations. *Math. Z.*, 291(1-2):227-244, 2018.
- Camliyurt, G., Kukavica, I. On the Lagrangian and Eulerian analyticity for the Euler equations. *Phys. D*, 376/377:121–130, 2018.
- Camliyurt, G., Kukavica, I. Quantitative unique continuation for a parabolic equation. *Indiana Univ. Math. J.*, 67(2):657–678, 2018.
- Camliyurt, G., Kukavica, I. A local asymptotic expansion for a solution of the Stokes system. *Evol. Equ. Control Theory*, 5(4):647–659, 2016.

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## Honors, Awards and Grants

- 2018 **Center for Applied Mathematical Sciences (CAMS) Graduate Student Prize**, *University of Southern California*.  
Graduate Student Prize for Excellence in Research with a Substantial Mathematical Component.
- 2017 **The Edward and Dolores Blum Graduate Research Prize**, *University of Southern California*.  
The award is given by the Department of Mathematics for achievements in research and is awarded to two math PhD students each year.
- 2016 **Graduate School Travel/Research Award**, *University of Southern California*.
- 2013 – 2018 **Provost's PhD Fellowship**, *University of Southern California*.  
The highest honor at USC for PhD students, this fellowship is awarded to prospective graduate students who will make a substantive, documentable and unique contribution to their PhD program.
- 2013 **The Dora Aksoy Award**, *Bogazici University*.
- 2005 – 2010 **Undergraduate Merit Scholarship**, *The Scientific and Technological Research Council of Turkey*.  
The scholarship is given to students with the highest ranking (top 0.3 %) in the university entrance exam.

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## Service

- 2020–2023 **Co-organizer**, *Calderon-Zygmund Analysis Seminar*.  
University of Chicago
- 2020 **Contributor**, *GROW 2020*.  
University of Chicago
- 2017–2018 **Board Member**, *AWM Student Chapter at USC*.  
University of Southern California
- 2016–2017 **Organizer**, *USC Graduate Analysis Seminar*.  
University of Southern California
- 2017 **Organizer**, *Real Analysis Qualifying Exam Preparation Sessions*.  
University of Southern California
- 2017 **Grand Awards Judge**, *Intel ISEF*.  
Los Angeles

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## Invited Talks

- Spring 2023 **Colloquium**, *University of Arkansas*.  
Fayetteville, AR
- Spring 2023 **Mathematics Colloquium**, *University of California Santa Cruz*.  
Santa Cruz, CA
- Spring 2023 **Colloquium**, *Arizona State University*.  
Tempe, AZ
- Spring 2023 **CMOR Special Lecture**, *CMOR Department, Rice University*.  
Houston, TX
- Spring 2023 **Colloquium**, *Virginia Tech*.  
Blacksburg, VA
- Fall 2022 **Math Colloquium**, *Carnegie Mellon University*.  
Pittsburgh, PA

- Spring 2022 **Analysis and Applied Mathematics Seminar**, *University of Illinois at Chicago*.  
Chicago, IL
- Spring 2022 **Analysis Seminar**, *Bilkent University*.  
Ankara, Turkey
- Spring 2022 **Early Career Math Colloquium**, *University of Arizona*.  
Tucson, Arizona
- Spring 2022 **Analysis and PDE Seminar**, *University of North Carolina at Chapel Hill*.  
Chapel Hill, NC
- Winter 2021 **Calderon-Zygmund Analysis Seminar**, *University of Chicago*.  
Chicago, IL
- Winter 2021 **Applied Math Seminar**, *George Washington University*.  
Washington, DC
- Spring 2020 **Special Sessions on Irregular Flows in PDEs**, *AIMS Conference on Dynamical Systems, Differential Equations and Applications*. *Cancelled due to the Covid-19 pandemic*.  
Atlanta, GA
- Winter 2020 **CUNY Harmonic Analysis and PDEs Seminar**, *The Graduate Center*.  
New York, NY
- Winter 2019 **SIAM Conference on Analysis of Partial Differential Equations**.  
Palm Springs, CA
- Winter 2019 **Calderon-Zygmund Analysis Seminar**, *University of Chicago, Chicago*.  
Chicago, IL
- Spring 2019 **Reflections on Mathematical Fluid Dynamics**, *University of Virginia*.  
Charlottesville, VA
- Winter 2019 **Analysis Seminar**, *Institute for Advanced Study*.  
Princeton, NJ
- Fall 2018 **FRG Workshop**, *University of Chicago*.  
Chicago, IL
- Fall 2018 **Postdoctoral Short Talks**, *Institute for Advanced Study*.  
Princeton, NJ
- Summer 2018 **Research Program**, *Park City Mathematics Institute*.  
Park City, UT
- Spring 2018 **Analysis Seminar**, *University of California, San Diego*.  
San Diego, CA
- Spring 2018 **Special Session on Evolution Equations and Applications**, *AMS Spring Southeastern Sectional Meeting*.  
Nashville, TN
- Winter 2018 **AMS Joint Mathematical Meetings**.  
San Diego, CA
- Winter 2017 **SIAM Conference on Analysis of Partial Differential Equations**.  
Baltimore, MD
- Spring 2017 **Southern California Applied Mathematics Symposium**.  
Los Angeles, CA

- Spring 2017 **Special Session on Analysis and Numerical Computations of PDEs in Fluid Mechanics**,  
*AMS Spring Central Sectional Meeting*.  
Bloomington, IN
- Winter 2017 **10th Annual Women in Mathematics in Southern California Symposium**, *University of Southern California*.  
Los Angeles, CA

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## Teaching Activities

- 2023–Present **Assistant Professor**, *Virginia Tech*, Blacksburg, VA.  
Math 2204, Intro to Multivariable Calculus, Fall 2023
- 2019–2023 **L.E. Dickson Instructor**, *University of Chicago*, Chicago, IL.  
Math 16310, Honors Calculus III, Inquiry Based Learning, Spring 2023  
Math 16210, Honors Calculus II, Inquiry Based Learning, Winter 2023  
Math 16300, Honors Calculus III, Spring 2022  
Math 16200, Honors Calculus II, Winter 2022  
Math 20510, Analysis in  $\mathbb{R}^n$  III (accelerated), Spring 2021  
Math 20410, Analysis in  $\mathbb{R}^n$  II (accelerated), Winter 2020  
Math 20310, Analysis in  $\mathbb{R}^n$  I (accelerated), Fall-Winter 2020  
Math 20250, Abstract Linear Algebra, Spring 2020  
Math 27300, Basic Theory of Ordinary Differential Equations, Winter 2019  
Math 16100, Honors Calculus I, Autumn 2019
- 2014–2018 **Graduate Teaching Assistant**, *University of Southern California*, Los Angeles, California.  
Real Analysis Qualifying Exam Meetings, August 2017  
Math 625, Topics in Real Analysis, Summer 2017  
Math 425a, Fundamental Concepts of Analysis, Spring 2017  
Math 525b, Real Analysis, Spring 2016  
Math 116, Mathematics for Social Sciences, Spring 2015  
Math 507b, Theory of Probability, Spring 2015  
Math 125, Calculus I for Engineering and Sciences, Fall 2014
- 2010–2013 **Graduate Teaching Assistant**, *Boğaziçi University*, Istanbul, Turkey.  
Real Analysis, Complex Analysis, Calculus I–II, 2010–2013  
Graduate Coordinator, Fall 2012–Spring 2013  
*Duties included organizing the schedule of TA office hours and planning the proctoring timetable for large classes.*
- 2008–2009 **Undergraduate Teaching Assistant**, *Boğaziçi University*, Istanbul, Turkey.  
MATH 224 Linear Algebra