CURRICULUM VITAE
Baris Coskunuzer

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Dept of Mathematical Sciences
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Education			
⬦ Ph.D.	Princeton University	2004	
⬦ M.S.	Caltech	2001	
⬦ B.S.	Bogazici University	1999	

Experience			
⬦ Professor	UT Dallas	2019 – ...	
⬦ Vis. Assoc. Professor	Boston College	2016 – 2019	
⬦ Vis. Assoc. Professor	MIT	2014 – 2015	
⬦ Associate Professor	Koc University	2011 – 2016	
⬦ Assistant Professor	Koc University	2007 – 2011	
⬦ Gibbs Assistant Professor	Yale University	2004 – 2007	

Fields of Interest
⬦ Geometric Topology
⬦ Topological Data Analysis

Grants			
⬦ NSF-AMPS Research Grant (w. Jie Zhang)	2022–25	350K USD	
⬦ NSF Geometric Analysis Research Grant	2022–25	115K USD	
⬦ NASA AIST Grant (as co-I)	2022–23	599K USD	
⬦ Simons Collaboration Grant	2018–23	42K USD	
⬦ RS Newton Mob. Grant (w. G. Tinaglia)	2016–18	12K GBP	
⬦ TUBITAK 2219 Research Grant	2014–15	30K USD	
⬦ TUBITAK 1001 Research Grant	2010–13	125K TL	
⬦ EU - FP7 Marie Curie Research Grant	2008–12	100K EU	
⬦ TUBITAK Career Research Grant	2008–10	45K TL	
⬦ NSF Topology Research Grant	2006–08	110K USD	

Awards
⬦ BAGEP Award of Science Academy of Turkey, 2016
⬦ Fulbright Scholar Award, 2014
⬦ Masatoshi Gunduz Ikeda Research Award, 2010
⬦ Parlar Foundation Research Encouragement Award, 2010
⬦ Young Scientist Award of Turkish Academy of Sciences, 2009
⬦ Sedat Simavi Science Award, 2009

Selected Publications: *Google Scholar*   *MathSciNet*

Selected Papers in Topological Data Analysis

- (H. Adams) Geometric Approaches to Persistent Homology   **SIAGA** (2022) 26pp

- (A. Demir et al) Drug Discovery with TDA   **NeurIPS** (2022)

- (C. Akcora et al) Reduction Algorithms for PH   **NeurIPS** (2022)

- (Y. Chen et al) Time-Aware Multipersistence with GCNs   **ICLR** (2022)

- (Y. Chen & Y.R. Gel) Topological Relational Learning on Graphs   **NeurIPS** (2021)

Selected Papers in Geometry & Topology

- Minimal Surfaces in Hyperbolic 3-Manifolds, **Comm. Pure Appl. Math.** (2021) 26pp

- Embedded H-Planes in Hyperbolic 3-Space, **Trans. Amer. Math. Soc.** (2019) 17pp

- Asymptotic Plateau Problem in $\mathbb{H}^2 \times \mathbb{R}$, **Selecta Math.** (2018) 28pp

- *(W. Meeks & G. Tinaglia)* Nonprop. Emb. H-planes in $\mathbb{H}^2 \times \mathbb{R}$, **Math. Ann.** (2018) 22pp

- Embeddedness of the Solutions to the H-Plateau Problem, **Adv. Math.** (2017) 22pp

- *(W. Meeks & G. Tinaglia)* Nonprop. Emb. H-planes in $\mathbb{H}^3$, **J. Diff. Geom.** (2017) 21pp

- Asymptotic H-Plateau Problem in $\mathbb{H}^3$, **Geom. & Topology** (2016) 14pp

- *(T. Bourni)* Area min. surfaces in MC 3-man., **J. Reine Angew. Math.** (2015) 33pp

- Examples of Area Minimizing Surfaces in 3-manifolds, **IMRN** (2014) 12pp

- Embedded Plateau Problem, **Trans. Amer. Math. Soc.** (2012) 14pp

- Non-properly Emb. Min. Planes in $\mathbb{H}^3$, **Commun. Contemp. Math.** (2011) 13pp

- Generic Uniq. of Area Min. Disks for Ext. Curves, **Amer. J. Math.** (2010) 14pp

- LA Planes in $\mathbb{H}^3$ are Properly Embedded, **Indiana Univ. Math. J.** (2009) 12pp

- Generic Uniq. of Least Area Planes in Hyp. Space, **Geom. & Topology** (2006) 12pp

| **Short Visits** | ⋄ Max-Planck Institute - Bonn | July-August 2013 |
| | ⋄ Yale University | July-August 2011 |

| **Teaching** | ⋄ You can see the classes taught in the following link | |

Some Talks & Conferences	⋄ Seminar at Applied Algebraic Topology Network	April 2021
	⋄ Topology Seminar at Caltech	May 2020
	⋄ Geometry-Topology Seminar at Warwick U.	May 2020
	⋄ Brian White Conference at Stanford U.	July 2018
	⋄ Geometry Seminar at U. Chicago	March 2017
	⋄ Geometry Seminar at Harvard U.	March 2015
	⋄ Topology Seminar at Yale U.	March 2015
	⋄ Geometry Seminar at Princeton U.	February 2015
	⋄ Geometry Seminar at Stanford U.	November 2014
	⋄ Joint LA Topology Seminar at Caltech	November 2014
	⋄ Geometry Seminar at MIT	September 2014
	⋄ European Geom. Analysis Conf. at Roscoff	June 2014
	⋄ Oberseminar, Max-Planck Institute, Bonn	July 2013
	⋄ Var. Prob. & Geometric PDEs Conf. at Granada	June 2013
	⋄ Minimal Surfaces & 3-manifolds Workshop at MIT	April 2013
	⋄ Geometry Day at King's College, London	May 2012
	⋄ Geometry Seminar at Cambridge U.	May 2012

Synergetic Activities	⋄ Organizer of Several Workshops & Graduate Schools
	⋄ Associate Editor for Math World (Popular Math Journal)
	⋄ Executive Board Member of Turkish Math Society (2009-16)
	⋄ Referee for Duke, JEMS, JDG, CMH, TAMS, JGA, et al.

Misc.	⋄ Permanent resident, Born in 1977, Married with two children