

# CURRICULUM VITAE

as of March 2013

## ASLI GÜÇLÜKAN İLHAN

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### PERSONAL DATA

DATE OF BIRTH: February 09, 1983  
PLACE OF BIRTH: İzmir - Turkey  
CITIZENSHIP: Turkish  
MARITAL STATUS: Married

### EDUCATION

Ph.D., Mathematics Bilkent University, Ankara, Turkey, 2006–2011  
Dissertation: “Obstructions for constructing  $G$ -equivariant fibrations”  
Supervisor: Prof. Dr. Ergün Yalçın

Visiting Student University of Rochester, Rochester, NY, U.S.A  
August 15, 2007- May 15, 2008, supported by TÜBİTAK.  
Advisor: Assoc. Prof. Dr. Jonathan Pakianathan

M.S., Mathematics Bilkent University, Ankara, Turkey, 2004–2006  
Thesis: “The Extension Class of a Subset Complex”  
Supervisor: Prof. Dr. Ergün Yalçın

B.S., Mathematics Bilkent University, Turkey, 1999–2004

### APPOINTMENTS

Postdoctoral Research Assist. Bilkent University, Ankara, Turkey, 2011–2013  
TÜBİTAK TBAG/110T712

### SCHOLARSHIPS AND AWARDS

TÜBİTAK Scholarship for PhD Students (2006 – 2011)  
Alisbah Award, Bilkent University (2008)  
TÜBİTAK Research Fellowship (2007 – 2008)  
M.S Fellowship, Bilkent University (2004 – 2006)  
B.S Fellowship, Bilkent University (1999 – 2004)

### RESEARCH INTERESTS

Group actions on product of spheres  
Categorical homotopy theory  
Cohomology of finite groups

## PUBLICATIONS

1. *Equivariant homotopy diagrams*, submitted to Transactions of the American Mathematical Society (with Ö. Ünlü).
2. A. Güçlükan İlhan, *Obstructions for constructing equivariant fibrations*, Algebraic and Geometric Topology 12 (2012), 1313–1330.
3. A. Güçlükan and E. Yalçın, *The Euler class of a subset complex*, Quarterly Journal of Mathematics 61 (2010), 43–68.

## TEACHING EXPERIENCE

*Instructor:*

Linear Algebra I  
Linear Algebra II

*Teaching Assistant:*

Introduction to Calculus I-II (Math 105–106)  
Calculus I-II (Math 101–102)  
Linear Algebra and Differential Equations (Math 225)  
Linear Algebra I-II (Math 220–221)  
Differential Geometry I (Math 345)

*Recitation Instructor:*

Introduction to Calculus I (Math 105)  
Introduction to Calculus II (Math 106)  
Calculus I (Math 101)  
Calculus II (Math 102)

*Grader:*

Calculus II (Math 102)

## TALKS

- Equivariant fibrations and group actions on product of spheres, November 2012, Ankara Atılım University, Department of Mathematics, General Seminar,
- Homotopy types of  $R$ -completions in low dimensions, November 2012, Ankara Bilkent Algebraic Topology seminar,
- The topological index  $B$ , April 2012, Ankara ODTÜ-Bilkent Algebraic Geometry Seminar,
- Obstructions for constructing equivariant fibrations, October 2011, Ankara METU, Department of Mathematics, General Seminar
- Obstructions for constructing equivariant fibrations, August 2011, Copenhagen Homotopical approaches to group actions (workshop),
- Obstructions for constructing equivariant fibrations, June 2011, Çankırı Karatekin Mathematics Days: Combinatorics, Algebra, Geometry and Interactions,
- Spectra and generalized cohomology theories, February 2010, Ankara ODTÜ-Bilkent Algebraic Topology Seminar,
- The Steenrod problem, October 2009, Ankara Bilkent Algebraic Topology Seminar,

- Vector bundles and their classification, ODTÜ-Bilkent Algebraic Geometry Seminar, October 2009, Ankara
- Introduction to topological  $K$ -theory, ODTÜ-Bilkent Algebraic Geometry Seminar, October 2009, Ankara
- Free elementary group actions on product of sphere, Bilkent Algebraic Topology Seminar, March 2009, Ankara
- The Euler class of a subset complex. Antalya Algebra Days XI, May 2009, Antalya
- The Euler class of a subset complex, Topology group seminars, May 2008, Rochester
- The extension class of a subset complex, Antalya Algebra Days IX, May 2007, Antalya
- $T$ -power of a  $G$ -set and the exponential map of Burnside rings, Antalya Algebra Days VII, May 2005, Antalya

#### REFERENCES

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| Prof. Dr. Ergün Yalçın<br>yalcine@fen.bilkent.edu.tr                            | Department of Mathematics<br>Bilkent University<br>Bilkent, 06800 Ankara, Turkey |
| Prof. Dr. Sinan Sertöz<br>sertoz@fen.bilkent.edu.tr                             | Department of Mathematics<br>Bilkent University<br>Bilkent, 06800 Ankara, Turkey |
| Assist. Prof. Dr. Özgün Ünlü<br>unluo@fen.bilkent.edu.tr                        | Department of Mathematics<br>Bilkent University<br>Bilkent, 06800 Ankara, Turkey |
| Assoc. Prof. Dr. Jonathan Pakianathan<br>jonpak@math.rochester.edu              | Department of Mathematics<br>University of Rochester<br>Rochester, NY 14627, US  |
| Prof. Dr. Mefharet Kocatepe (Teaching Reference)<br>kocatepe@fen.bilkent.edu.tr | Department of Mathematics<br>Bilkent University<br>Bilkent, 06800 Ankara, Turkey |