

## CURRICULUM VITAE

NAME, LAST NAME : Mahmut Kuzucuoğlu  
DATE AND PLACE OF BIRTH : November 15, 1958, Denizli, Turkey  
ADDRESS : METU Mathematics Department 06800 Ankara, Turkey  
NATIONALITY : Turkish  
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### 1. EDUCATION

HIGH SCHOOL : Denizli High School (1976)  
B. Sc. : Mathematics, Middle East Technical University (1981)  
M.S. : Mathematics, METU (1984) and Toledo University USA (1985)  
Ph. D. : Mathematics, Victoria University of Manchester, England, (Brian Hartley, 1987)

### 2. EMPLOYMENT HISTORY

TEACHING ASSISTANT : 27. 10.1981- 09.1983 METU, Dept. of Math., Turkey  
1984 -1985 Dept. Of Math, Toledo University, USA  
INSTRUCTOR : 07.04.1988 - 26.10.1988 METU, Dept. of Math., Turkey  
ASSISTANT PROFESSOR : 26.10.1988 – 21.10.1993 METU, Dept. of Math., Turkey  
ASSOCIATE PROFESSOR : 21.10.1993 – 06.07.1999 METU, Dept. of Math., Turkey  
PROFESSOR : 06.07.1999 - present METU, Dept. of Math. Turkey

### 3. MANAGEMENT HISTORY

VICE CHAIR : March 1996 – June 1996 (3 Months)  
OTHER :

- TUBITAK Basic Science
- Working member in Mathematics Foundation, 1996- 1999
- Faculty Human Resources Committee 18.02.2010 – 28.03.2012
- BAP Committee Faculty of Arts and Science Representative 02.09.2015 -

### 4. VISITING POSITIONS

- Research fellow of Manchester University, 1985-1987, 2.5 years.
- Teaching Assistant in Toledo University, 1985, 1 year.
- Research fellow of Krasnoyarsk State Academy of Architecture and Civil Eng. University (Russia). 3 months, 1998
- Oberwolfach Mathematische Institute Research in Pairs (RIP) 3 weeks 2003
- Freiburg Institute for Advanced Studies 28-September-28 October, 2012, 1 month.
- Dipartimento di Matematica e Applicazioni, Università di Napoli Federico II, 28.04.2015-18.05.2015, 3 weeks.
- University of Freiburg, Mathematisches Institute, 11-23 September, 2017, 2 weeks.

## **5. AREA OF SPECIALIZATION**

- Group Theory.
- Locally finite groups.
- Centralizers of subgroups in simple groups.
- Existentially Closed Groups
- Direct Limits of Symmetric Groups.

## **6. SCHOLARSHIPS, AWARDS AND GRANTS**

- Research Assistant Toledo University USA, (1985).
- Honorary research fellow of Manchester University, (1993).
- Research studentship and ORS (Overseas research students award) Manchester University.
- Fulbright grants, (1981).
- Royal Society England, (1993).
- TUBITAK (ESEP) Scientific exchange program, (1993).
- TUBITAK, Scientific exchange program, (1998).
- METU Performance award, (2011, 2014, 2017).

## **7. EDITORSHIPS**

- International Journal of Group Theory 20.04.2011--
- University of Istanbul Faculty of Science the Journal of Mathematics, Physics and Astronomy, New Series,
- Turkish Journal of Mathematics 22.01.2009 – 02.03.2015

### **Reviewing:**

- Reviewer of Mathematical Reviews
- C. Koç Basic Linear Algebra Book, 2011- 2016

### **8. REFEREED FOR THE JOURNALS**

- Journal of Algebra
- Communications in Algebra
- Turkish Journal of Mathematics
- Rendiconti Seminario Mat. Padova
- Commun. Fac. Sci. Univ. Ank. Sér. A1 Math. Stat.
- Gazi University Journal of Science
- Journal of Siberian Federal University
- Acta Mathematica
- International Journal of Group Theory
- Bulletin of the Iranian Mathematical Society

### **9. MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

- Turkish Mathematical Society
- American Mathematical Society

### **10. PUBLICATIONS**

#### **Ph.D. Dissertation**

Barely transitive permutation groups, Manchester university, 1987, (Supervisor: Prof. B. Hartley).

#### **Research Articles / Refereed Conference Proceedings**

1. M. Kuzucuoğlu, R. E. Phillips. Locally Finite Minimal non-FC-Groups, Mathematical Proc. Cambridge Phil.Soc. (1989), 105, 417-420.  
<https://doi.org/10.1017/S030500410007777X>
2. B. Hartley, M. Kuzucuoğlu, Centralizers of Elements in Locally Finite Simple Groups, Proc. London Math.Soc. (3) 62 (1991) 301-324. DOI: 10.1112/plms/s3-62.2.301

3. M. Kuzucuoğlu, Barely Transitive Permutation Groups. Arch. Math. Vol. 55 521-532 (1990). [doi.org/10.1007/BF01191686](https://doi.org/10.1007/BF01191686)
4. M. Kuzucuoğlu, A note on Barely Transitive Permutation Groups Satisfying min-2 Rendiconti del Seminario Matematico Vol 90, 9-15; (1993).
5. M. Kuzucuoğlu, Centralizers of Semisimple Subgroups in Locally Finite Simple Groups, Rendiconti del Seminario Matematico 92, 79-90 (1994).
6. M. Kuzucuoğlu, Centralizers of Abelian Subgroups in Locally Finite Simple Groups, Proc. Edinburg Math. Soc. 40, 217-225 (1997). [doi.org/10.1017/S001309150002366X](https://doi.org/10.1017/S001309150002366X)
7. B. Hartley, M. Kuzucuoğlu, Non-simplicity of Locally Finite Barely Transitive Groups, Proc. Edinburg. Math. Soc. 40 483-490 (1997). [doi.org/10.1017/S0013091500023968](https://doi.org/10.1017/S0013091500023968)
8. M. Kuzucuoğlu, A. Zalesskii, Hall Universal Group as a Direct Limit of Algebraic Groups, J. Algebra. 192, 55-60 (1997). [doi.org/10.1006/jabr.1996.6982](https://doi.org/10.1006/jabr.1996.6982)
9. V. V. Belyaev, M. Kuzucuoğlu, Barely Transitive and Heineken Mohamed Groups, J. London Math Soc. (2) 55, 261-263, (1997). DOI: 10.1112/S0024610797004870
10. M. Kuzucuoğlu, Locally Finite Barely Transitive Permutation Groups with Almost Nilpotent Point Stabilizers, Turkish J. Mathematics 21, 73-75, (1997).
11. V. V. Belyaev, M. Kuzucuoğlu, E. Seçkin, Totally Inert Groups, Rendiconti del Seminario Matematico, Vol 102, 151--156, (1999).
12. M. Kuzucuoğlu, P. Shumyatsky, On Locally Finiteness of Periodic Residually Finite Groups, Proc. Edinburg Mathematical Soc. 45, 717-721, (2002). doi:10.1017/S0013091501000311
13. V. Belyaev, M. Kuzucuoğlu, Locally Finite Barely Transitive Groups, Algebra and Logic 42 147-152 (2003). [doi.org/10.1023/A:1023946008218](https://doi.org/10.1023/A:1023946008218)
14. M. Kuzucuoğlu, On Torsion-Free Barely Transitive Groups, Turkish J. Mathematics 24, 273-276, (2000).
15. M. Kuzucuoğlu, P. Shumyatsky, Involutions in Locally Finite Groups, J. London Math. Soc. (2) 69, no. 2, 306—316, (2004). DOI: 10.1112/S0024610703005015
16. A. Berkman, M. Kuzucuoğlu, E. Ozyurt, On Groups with the Weak Wide Commensurable Property, Turkish J. Math. 29, no. 4, 403—412, (2005).
17. M. Kuzucuoğlu, V. Mazurov, Finite Sylow Subgroups in Simple Locally Finite Groups of Lie type, Siberian Math. J. vol 46. No 4, 863--866, (2005). DOI: 10.1007/s11202-005-0084-0.
18. M. Kuzucuoğlu, P. Shumyatsky, Centralizers of Involutions in Locally Finite Groups, Communications in Algebra 35:10 3253-3262 (2007). [doi.org/10.1080/00914030701410336](https://doi.org/10.1080/00914030701410336)
19. A. Berkman, M. Kuzucuoğlu, E. Ozyurt, Centralizers of Involutions in Locally Finite Simple Groups, Rend. Sem. Padova, 118, 189-196 (2007).
20. M. Kuzucuoğlu, Barely Transitive Groups, Turkish J. Math. 31; 79-94 (2007).
21. C. Betin, M. Kuzucuoğlu, Description of Barely Transitive Groups, Communication in Algebra 37: 1901–1907, (2009). [doi.org/10.1080/00927870802210076](https://doi.org/10.1080/00927870802210076)

22. K. Ersoy, M. Kuzucuoğlu, Centralizers of Subgroups in Simple Locally Finite Groups, *Journal of Group Theory* **15**, 9-22, (2012). [doi.org/10.1515/JGT.2010.087](https://doi.org/10.1515/JGT.2010.087)
23. C. Betin, M. Kuzucuoğlu, Locally graded barely transitive groups, *Central European Journal of Mathematics*, 11 (7), 1188-1196, (2013). DOI: 10.2478/s11533-013-0240-x
24. M. Kuzucuoğlu, Centralizers in Simple Locally Finite Groups, *International Journal of Group Theory*, Vol 2 ,No 1, 1-10, (2013). DOI: [10.22108/ijgt.2013.1521](https://doi.org/10.22108/ijgt.2013.1521)
25. Ü. B. Güven, O. H. Kegel, M. Kuzucuoğlu, Construction of Some Simple Locally Finite Groups, *J. Siberian Federal University, Mathematics and Physics* , 6(4), 437-440, (2013).
26. M. Kuzucuoğlu, A note on barely transitive groups. Translated from *Sovrem. Mat. Prilozh.*, Vol. 83, 2012. *J. Math. Sci. (N.Y.)* **195** (2013), no. 4, 486. <https://doi.org/10.1007/s10958-013-1594-0>
27. O. H. Kegel, M. Kuzucuoğlu, Centralizers in Hall's Universal Group and Direct Limits of Finitary Symmetric Groups, *Note di Matematica*, 34, No 1. 105-114, (2014). <https://doi.org/10.1285/i15900932v34n1p105>
28. Ü. B. Güven, O. H. Kegel, M. Kuzucuoğlu, Centralizers of Subgroups in Direct Limits of Symmetric Groups with Strictly Diagonal Embedding, *Comm. Algebra* 43, No. 5, 1920-1934, (2015).  
<https://doi.org/10.1080/00927872.2013.879657>
29. O. H. Kegel, M. Kuzucuoğlu, Homogenous Finitary Symmetric Groups, *Int. J. Group Theory* 4, No.1, 7–12 (2015). DOI: [10.22108/ijgt.2015.7277](https://doi.org/10.22108/ijgt.2015.7277)
30. Kegel, M. Kuzucuoğlu, Centralizers of Finite Subgroups in Hall's Universal Group *Rend. Semin. Mat. Univ. Padova* 138 (2017) 283–288, <https://doi.org/10.4171/RSMUP/138-15>.
31. M. De Falco, F. de Giovanni, M. Kuzucuoğlu, C. Musella, Groups whose Proper Subgroups have Restricted Infinite Conjugacy Classes, *Colloq. Math.* 150, no. 2, 281–291, (2017).  
DOI: 10.4064/cm7015-1-2017
32. M. Kuzucuoğlu, Centralizers of Finite  $p$ -Subgroups in Simple Locally Finite Groups, *J. Siberian Federal University, Mathematics and Physics*, 10 (3), 281—286 (2017).  
DOI: 10.17516/1997-1397-2017-10-3-281-286.
33. K. Ersoy, M. Kuzucuoğlu, P. Shumyatsky, Locally Finite Groups and Their Subgroups with Small Centralizers, *J. Algebra* 481, 1–11, (2017).  
<https://doi.org/10.1016/j.jalgebra.2017.02.018>
34. M. Kuzucuoğlu, Bogdana Oliynyk, Vitaly I. Sushchanskyy, Homogeneous Monomial Groups and Centralizers, *Comm. Algebra*, 2018, VOL. 46, NO. 2, 597–609  
<https://doi.org/10.1080/00927872.2017.1324874>
35. O. H. Kegel, M. Kuzucuoğlu,  $k$ -existentially Closed Groups, *Journal of Algebra* 499 (2018), 298–310. <https://doi.org/10.1016/j.jalgebra.2017.12.005>.

36. B. Kaya, O. H. Kegel, M. Kuzucuoğlu; On the existence of k-existentially closed groups, *Archiv der Mathematik*, **111**, 225-229, (2018).  
DOI 10.1007/s00013-018-1213-
37. Ü. Büşra Güven – Mahmut Kuzucuoğlu, Normalizers of finite subgroups in homogenous symmetric groups and automorphisms, submitted.

### **Open Problems**

Open problems published in *Kaurovka Notebook Unsolved Problems in Group Theory*, Problems 15.20, (2006); 18.53 (2018).

Answers to the questions 5.1 page 137 (2006), 5.18 page 138 (2006) *Kaurovka Notebook Unsolved Problems in Group Theory*.

Ü. Büşra Güven – Mahmut Kuzucuoğlu, Open problems published in *Advances in Group Theory and Applications ADV– 5C Vol. 5*, page 141-142, (2018).

### **Books**

1. M. Kuzucuoğlu *Graduate Algebra Problems with Solutions* (1997).
2. M. Kuzucuoğlu *Exercises and Solutions in Groups Rings and Fields* (1995).
3. M. Kuzucuoğlu *Group Theory Exercises and Solutions* (2014).

## **11. INTERNATIONAL CONFERENCE PARTICIPATION**

1. M. Kuzucuoğlu, (Poster Nato ASI (1994)) Finite and Locally finite Groups Centralizes in Locally finite simple groups.
2. M.Kuzucuoğlu, Finite simple groups and barely transitive groups, Workshop at Oberwolfach Inst., 1996 (Invited speaker).
3. M. Kuzucuoğlu, Locally finite barely transitive groups, Conference on Finite and locally finite groups and its applications Levico Terme Trento Italy, 1997 (Invited speaker).
4. M. Kuzucuoğlu , Barely transitive groups, Symmetry in natural science, Krasnoyarsk, Russia, 1998
5. V.V. Belyaev, M. Kuzucuoğlu, Exponent of locally finite barely transitive groups, Symmetry in natural science Krasnoyarsk, Russia, 1998 (Invited speaker).
6. Kıvanç Ersoy, Mahmut Kuzucuoğlu, Centralizers of abelian subgroups in locally finite simple groups *Contemporary Mathematics and its Applications Batumi State University, Batumi Georgia, 17-21 September 2007* (Invited speaker).

7. M. Kuzucuoğlu, Barely Transitive Groups International Conference Algebra and Its Applications, 12-18 August 2007, Krasnoyarsk, Russia. (Invited speaker).
8. M. Kuzucuoğlu, Centralizers in simple locally finite groups, IV Congress of the mathematicians of the Republic of Macedonia Struga, 19-22 October 2008 (With K. Ersoy).
9. M. Kuzucuoğlu, Centralizers of subgroups in simple groups, Group Theory Conference, Mashhad, IRAN 10-12 March 2010 (Invited speaker).
10. M. Kuzucuoğlu, Universal groups and regular limit groups, 41<sup>st</sup> Annual Iranian Mathematics Conference, Urmia, Iran, 12-15 September, 2010 (Invited speaker).
11. M. Kuzucuoğlu, Locally graded barely transitive groups, BIGTC, 13-18 February 2011, Johar Bahru, Malaysia (Invited speaker).
12. M. Kuzucuoğlu, A Note on Barely Transitive Groups, International conference on Modern Algebra and Its Applications 19-25-September, 2011 Batumi, Georgia (Invited speaker).
13. M. Kuzucuoğlu, Centralizers in Simple locally finite groups, Ischia Group Theory 2012, 26-29 March, 2012, Ischia, Italy (Invited speaker).
14. M. Kuzucuoğlu, Centralizers of Finite  $p$ -Subgroups in Simple Locally Finite Groups, International conference “Algebraic groups and Related structures” in honour of Nikolai Vavilov on the occasion of his 60th birthday St.Petersburg, Euler International Mathematical institute, 17-22 September 2012 (Invited Speaker).
15. M. Kuzucuoğlu (Poster Nato ASI (1994)) Finite and Locally finite Groups Centralizes in Locally finite simple groups.
16. M. Kuzucuoğlu, Simple Direct Limit Groups and Centralizers, Biennial International Group Theory Conference, 2013, Doğuş University, February 4-8 (Invited Speaker).
17. M. Kuzucuoğlu, Centralizers of subgroups in direct limits of symmetric groups, Advances in Group Theory and applications 2013, Porto Cesareo, Lecce Italy June 10-14 2013 (Invited Speaker).
18. M. Kuzucuoğlu, Direct Limits of finitary Symmetric Groups, The 6<sup>th</sup> international Group theory conference, 12-13 March 2014, Golestan University, IRAN. (Invited Speaker).
19. M. Kuzucuoğlu, Homogenous finitary symmetric groups, Ischia group theory conference 2014, Naples, Italy, 2—5 April 2014 (Invited speaker).
20. M. Kuzucuoğlu, Automorphisms of direct limits of symmetric groups, Caucasian Mathematics Conference CMC I Tbilisi, Georgia, September 5-6, 2014.
21. M. Kuzucuoğlu, Automorphisms of homogenous finitary symmetric groups, Brian Hartley Memorial Day, 8th October, 2014, Manchester, 2014. (Invited speaker).
22. M. Kuzucuoğlu, Homogenous Finitary Permutation Groups and Their Automorphisms, Dipartimento di Matematica, Università di Salerno Fisciano (Salerno) Italy, 13 May 2015, (Invited Speaker).
23. M. Kuzucuoğlu, Homogenous Finitary Symmetric Groups and Their Automorphisms , Groups and their actions, Bedlewo, Poznan, Poland 22-26, June, 2015(Invited Speaker).
24. M. Kuzucuoğlu, Centralizers in infinite locally finite simple groups, Models and Groups-5, October 8--10 2015, Tutorial 3 talks.

25. M. Kuzucuoğlu, Regular and Diagonal Embedding of Finite Symmetric Groups, 8<sup>th</sup> Iranian Group Theory conference, Tabriz-İran, 2-5 February, 2016 (plenary talk).
26. M. Kuzucuoğlu, Homogenous Monomial Groups, ISCHIA Group Theory 2016, 3-5 April 2016, Ischia, Italy. (Invited Speaker).
27. M. Kuzucuoğlu, Centralizers in Limit Monomial Groups, Algebra and Logic: Theory and applications, Siberian Federal University Krasnoyarsk, Russia, 24-29 July 2016, Professor Vladimir Levchuk and Professor A. Yu.Olshanskii, On the occasion of 70.th Birthday (Invited speaker, by internet)
28. M. Kuzucuoğlu, Monomial groups, Groups and Actions: Geometry and Dynamics, Dedicated to memory of Professor Vitali Sushchansky, Taras Shevchenko National University of Kiev Ukraine, Kiev, 19-22 December, 2016. (Invited speaker).
29. M. Kuzucuoğlu, Centralizers in limit monomial groups, Fourth biennial international group theory conference 2017, Kuala Lumpur 23-26 January 2017(Invited speaker).
30. M. Kuzucuoğlu, Regular direct limits of symmetric groups, Ischia Group Theory 2018, Ischia (Naples, Italy), 19-24 March 2018. (Invited Speaker).
- 31.

## 12. NATIONAL CONFERENCE PARTICIPACIONS

1. M. Kuzucuoğlu Lokal Sonlu Barely Transitive Gruplardan min-2 özelliği III Ulusal Matematik Sempozyumu 1990 Yüzüncü Yıl University VAN
2. M. Kuzucuoğlu.A Note on Barely Transitive Permutation Groups Satisfying min-2. Cebir ve Sayılar Teorisi Sempozyumu Silivri (1990)
3. M. Kuzucuoğlu Local sonlu basit gruplar Ulusal Matematik Sempozyumu Eastern Mediterranean University 8-12 September 1993 Kıbrıs.
4. M. Kuzucuoğlu Centralizers in locally finite simple groups Finite and locally finite groups NATO ASI Istanbul 14-27 August 1994.
5. M. Kuzucuoğlu R.E. Phillips Cebir ve Sayılar teorisi Sempozyumu 12-16 September 1988. Silivri-İstanbul.
6. M. Kuzucuoğlu, Locally finite barely transitive groups Turkish Math., Colloquim, Istanbul, 1996 (Invited speaker).
7. M. Kuzucuoğlu Lokal sonlu gruplarda elemanların merkezleyenleri. Altinoluk matematik günleri, Balıkesir University 1997.
8. C. Koç, M. Kuzucuoğlu, Central,izers of involutions in Finitary Linear Groups over Fields of Arbitrary Characteristic. Antalya Cebir Günleri, Antalya, 1999 (Invited Speaker).
9. M. Kuzucuoğlu, Barely Transitive Groups, Antalya Algebra Days 17-21 May 2007 Antalya.



10. M. Kuzucuoglu, Lie tipi basit yerel sonlu gruplarda  $Z_n \times Z_n$  ile eşyapılı deęişmeli altgrupların merkezleyenleri 20. Ulusal Matematik Sempozyumu 3-6 September 2007 Erzurum TURKEY. (With Kıvanç Ersoy)
11. M. Kuzucuoglu, Examples of some locally finite groups constructed as a direct limit of finite symmetric groups. TUBİTAK Feza Gürsoy Enstitüsü İstanbul, 18-22 February 2010. (Invited Speaker).
12. M. Kuzucuoglu, why are centralizers important? Memorial Day of Prof. Dr. Cemal Koç, ODTÜ 16 May 2010. (Invited speaker).
13. M. Kuzucuoglu, Centralizers of abelian unipotent subgroups in simple locally finite groups, Bilgi University, 60<sup>th</sup> birthday of Prof. Oleg Belegradsk. 2010. (Invited speaker).
14. M. Kuzucuoglu, Universal Groups, Antalya Algebra Days, 19-22 May 2010. (Invited speaker).
15. M. Kuzucuoglu, Universal Groups, Algebra and Number Theory Symposium in Honour of Prof. M. Bilhan, METU, Ankara, 13-15 October 2010. Çaęrılı konuşma.
16. M. Kuzucuoglu. Sonsuz Mertebeli Basit Gruplara Örnekler ve Bazı Sonuçlar, Cebir Topoloji Çalıştayı, 16-17 June 2011, (Prof. Dr. Yusuf Ünlü adına), Çukurova Üniversitesi, Adana. (Invited Speaker).
17. M. Kuzucuoglu. 13. Antalya Algebra Days, 18-22 May 2011, Antalya.
18. M. Kuzucuoglu, Universal Groups, Algebra and Number Theory Symposium in Honour of Prof. M. Bilhan, METU, Ankara, 13-15 October 2010 (Invited Speaker).
19. M. Kuzucuoglu, Centralizers in non-linear LFS-groups, TT-70 Fest, in the occasion of Tosun Terzioglu's 70<sup>th</sup> birthday, İstanbul 15 March, 2012(Invited Speaker).
20. M. Kuzucuoglu, Level preserving automorphisms of  $FSym(\kappa)(\zeta)$ , III. Cemal Koç Cebir seminer Günleri, 4 April 2015, Gebze Teknik Üniversitesi (Invited Speaker).
21. M. Kuzucuoglu, Hall's universal group and centralizers, 5<sup>th</sup> Cemal Koç Algebra Days, 29 April 2017 İstanbul Kültür University, (Invited Speaker).
22. M. Kuzucuoglu, Gruplar Teorisi ve Sınıflandırma Problemi, 26 May 2017 Çukurova Üniversitesi, (Invited Speaker).
23. M. Kuzucuoęlu, Monomial Grupların Direkt Limiti ve Sınıflandırılması, Hacettepe University Department of Mathematics, 11 Ekim, 2017.

### **13. ONLY PARTICIPATED CONFERENCES**

1. 38th British Mathematical Colloquium 1986 University of Hull (England).
2. St. Andrews Group Theory Conference 1987 (England)
3. Mathematisches Forschungstitut Oberwolfach RIP Workshop locally finite simple groups 1996 (Germany).

4. University of Cambridge, Isaac Newton Institute for Mathematical Sciences, NATO ASI, 1997, (England). Modular Representation Theory and Subgroup Structure of algebraic groups.
5. Mathematisches Forschungstitut Oberwolfach RIP Germany 1-31 March 2003.
6. Antalya Algebra Days, Şirince 2015.
7. 6th Cemal Koç Algebra Days, Yeditepe University, İstanbul, Turkey, April 28, 2018.

#### **14. CONTRIBUTIONS TO MATHEMATICAL COMMUNITY**

1. Nesin Mathematical Village, Locally Finite Groups, 2008.
2. Nesin Mathematical Village, 2010, 1 week.
3. Nesin Mathematical Village, Universal Groups, 2012.
4. İlkyar, Moduler Matematik ve Takvime Uygulamaları İlköğretim öğrencilerine seminer 2012.
5. Nesin Mathematical Village, Construction of some Infinite Simple Groups, 2013.
6. İlkyar, Asal Sayılar, İlkyar İlköğretim öğrencilerine seminer 2011, 2013.
7. ODTÜ Math Club, Neden Grup Theory (Bir Problemin Hikayesi), 21.11.2013.
8. İlkyar İletişim ve şifreleme, 19.06.2014.
9. İlkyar Sayılar ve altın oranı 2015.
10. Pamukkale Üniversitesi Doğa ve Matematik Topluluğu, Gruplar Teorisinde bir problemin hikayesi, 04.12.2015, Denizli.
11. Çankaya Üniversitesi, Matematik Bölümü, Sonlu Basit grupların Sınıflandırılmasının Hikayesi, 15.04.2016.
12. İlkyar Sayılar ve Matematikte sonsuz, 17.07.2017.
13. ODTÜ SEM (Sürekli Eğitim Merkezi) Dönem arası Seminerleri, İletişim ve Şifreleme, 5-7 Şubat 2018.
14. İLKYAR; Matematikte sonsuz var mıdır? Varsa kaç tanedir? 03 .08. 2018.
15. Kırşehir Ahi Evran Üniversitesi, Sonlu Basit Grupların Sınıflandırılması ve Tarihçesi. 2 Kasım 2018.
- 16.
- 17.

#### **15. PROJECTS**

1. BAP-01-01-2015-003 Simetrik grupların kati köşegen tipteki gömmeleriyle elde edilen homojen simetrik grupların otomorfizma grupları içindeki elemanların merkezleyenleri 2015-2016.
2. BAP-01-01-2016-002 Lineer Grupların direkt limiti şeklindeki Lokal sonlu gruplarda merkezleyenler 2016-2017.
3. GAP-101-2018-2737 k-existentially kapalı gruplarda altgrupların normalleyenleri.
- 4.

## 16. GRADUATE STUDENT SUPERVISION

- **M.S.**

1. Sezgin Sezer, Centralizers of elements in locally, Finite simple groups January 1992, METU, Turkey
2. Elif Seçkin, Locally finite simple groups as a product of two inert subgroups. 1996, METU, Turkey
3. Murat Çıplak, Centralizers of finite dimensional elements in unitary groups, 1998, METU, Turkey
4. Huseyin Demirci, Hall Universal Group, 1998, METU, Turkey
5. Emrah Yaka, Finitary permutations and locally finite graphs, 1998, METU, Turkey
6. Cansu Betin Strong residually finite FC-groups 2002, METU, Turkey
7. Öznur Mut, On Locally Finite Groups Generated by Sylow Subgroups and Groups of Finite Rank, 2003.
8. Kıvanç Ersoy Minimal non-FC groups and coprime automorphisms of quasi-simple groups METU 2004
9. Özge Almaş Monomial Groups, 2017.

- **Ph.D.**

- 1 Erdal Özyurt Totally inert groups METU Turkey
2. Cansu Betin. Barely Transitive groups, METU 2007.
3. Kıvanç Ersoy, Centralizers of finite subgroups in simple locally finite groups, 2009.
4. Ülviye Büşra Güven, Normalizers in Homogeneous Symmetric Groups 2017.

## 17. TEACHING

### Graduate Course

Algebra I- II, Lie Algebra, Simple groups of Lie Type I-II, Group Theory I-II  
Special topics (Finitary linear groups), Finite Groups, Infinite Groups

## **Undergraduate Courses**

Analytic Geometry II, Calculus I-II, Discrete Math II, Linear Algebra I-II-III, Introduction to Algebra, Group Theory, Representation and Blocks of Finite Groups, Matrix Groups quadratic forms.

## **18. CURRENT RESEARCH INTERESTS**

Centralizers of elements in simple locally finite groups

FC-groups, Minimal non-FC-groups.

Existentially Closed Groups

Direct Limits of Symmetric Groups

## **19. CONFERENCE ORGANIZATIONS**

1. One of the Organizer of Turkish Math Colloquim, Bilkent, 1994
2. Antalya Algebra Days, Antalya, 1999
3. Antalya Algebra Days, Antalya, 2000
4. Antalya Algebra Days, Antalya, 2003
5. Antalya Algebra Days, Antalya, 2007
6. 6. Memorium Day for Prof. C. Koç ODTÜ Ankara 16 May 2010
7. Algebra Workshop II in Honour of Prof C. Koç, Istanbul Mimar Sinan ve Boğaziçi Üniversiteleri 3-5 July 2010
8. Algebra and Number Theory Symposium Prof.Mehpare Bilhan, ODTÜ Ankara, 13 October 2010
9. Cemal Koç Algebra Days, ODTÜ, Ankara, 22-23 April 2016

## **20. CONFERENCE SCIENTIFIC COMMITTEE MEMBER**

1. XVII. Ulusal Matematik Sempozyumu, Bolu, 23-26 August 2004
2. XVI. Ulusal Matematik Sempozyumu, Van, 10-12 September 2003
3. 3. XIX. Ulusal Matematik Sempozyumu, Kütahya, 22-25 August 2006
4. XV.Ulusal Matematik Sempozyumu, Mersin, 4-7 September 2002
5. Antalya Algebra Days I-IX, Antalya, 1999-2006
6. XV.Ulusal Matematik Sempozyumu, Mersin, 4-7 September 2002
7. 7. Ulusal Matematik Sempozyumu, Erzurum, 17-21 September 2007
8. Antalya Algebra Days, Antalya, 2007

9. International Conference Algebra and Its Applications Krasnoyarsk, Russia, 12-18 August 2007
10. 4. Ankara Matematik Günleri, ODTÜ, 4-5 June 2009
11. Antalya Algebra Days, Antalya, 2008-2010
12. Modern Algebra and its Applications, Batumi, Georgia, 20-26 September 2010
13. The International Conference Algebra and Logic, Theory and Applications dedicated to the 75th anniversary of Yu. M. Gorchakov Krasnoyarsk, Russia, 19-25 July 2010
14. Algebra Workshop II in Honour of Prof. C. Koç, Istanbul 3-5 July 2010
15. Biennial International, Group Theory Conference, 2011, Universiti Teknologi Johor Bahru, Malaysia 14-18 February 2011
16. Antalya Algebra Days, Antalya, May 2011
17. International Conference on Modern Algebra and Its Applications Batumi, Georgia, 19-25 September, 2011
18. 7. Ankara Matematik Günleri, Bilkent, 31 May-1 June-2012
19. 19. Biannual International Group Theory Conference, 2013, Doğuş University İstanbul, 4-8 February 2013
20. The International Conference Algebra and Logic, Theory and Applications Krasnoyarsk, Russia, 2013
21. Ankara Matematik Günleri, ODTÜ, 2015
22. Antalya Algebra Days, 20-24 May 2015, Special session coordinator (Group Theory).
23. Ulusal Matematik Sempozyumu 7-9 September 2015 Antalya, Special session coordinator (Group Theory)
24. 8th. Iranian Group Theory Conference, University of Tabriz, February 3-5, 2016
25. Algebra and Logic: Theory and applications, Professor Vladimir Levchuk and Professor A.Yu. Olshanskii 70.th Birthday, Siberian Federal University Krasnoyarsk, Russia, 24-29 July 2016

### **Others**

ODTÜ Matematik Topluluğu tarafından düzenlenen  
"Matematik Sohbetleri" adlı panel  
11 Mayıs 2016 Çarşamba  
Saat: 15:45'te  
Cahit Arf Amfisi

Panelistler:  
Mahmut Kuzucuoğlu  
Yıldıray Ozan  
Cem Tezer

Moderatör:  
Ali Doğanaksoy

