

# GEVORG MNATSAKANYAN

## PERSONAL INFORMATION

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ADDRESS: Mathematical Institute, University of Bonn, Endenicher Allee 60, 53115, Bonn, Germany  
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## EDUCATION

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2020 - CURRENT Ph.D. in harmonic analysis, **University of Bonn**,  
Advisor: Christoph Thiele  
2018-2020 Master in Mathematics, **University of Bonn**  
Final grade: 1.1 (in 1 to 5 system)  
2014-2018 Bachelor in Mathematics, **Yerevan State University**  
Final grade: 19.7 (out of 20)

## TEACHING EXPERIENCE

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2021 | UNIVERSITY OF BONN  
*Tutor for the course Harmonic and Real Analysis*  
Conducting problem solving sessions and checking homeworks

2020 | UNIVERSITY OF BONN  
*Tutor for the course Introduction to Stochastic Analysis*  
Conducting problem solving sessions and checking homeworks

2017 | AMERICAN UNIVERSITY OF ARMENIA  
*Teaching Associate for the course Calculus 1*  
Conducting problem solving sessions and checking homeworks

2017 | YEREVAN PHYSMATH SCHOOL  
*Math teacher*  
Training the Armenian IMO team

2017 | VANADZOR PHYSMATH SCHOOL  
*Math teacher*  
Leading advanced math circles and math olympiad preparation for high school students

## PUBLICATIONS

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On quantitative estimates of the de Branges function associated to the scattering transform, Gevorg Mnatsakanyan, preprint, [arXiv:2210.00309](https://arxiv.org/abs/2210.00309), 2022.

On almost-everywhere convergence of Malmquist-Takenaka series, Gevorg Mnatsakanyan, [Journal of Functional Analysis](#) **282** (2022), no. 12, 109461.

Sharp weighted estimates for strong-sparse operators, Gevorg Mnatsakanyan, [Journal of Contemporary Mathematical Analysis](#) **57** (2022), no. 4, 222-231.

On a weak type estimate for sparse operators of strong type, Grigori Karagulyan and Gevorg Mnatsakanyan, [Journal of Contemporary Mathematical Analysis \(Armenian Academy of Sciences\)](#) **54** (2019), 216-221.

## AWARDS

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- 2018 German Academic Exchange(DAAD) Fellow
- 2018 Gold medal at International Mathematics Competition
- 2017 Silver Medal at International Mathematics Competition
- 2017 Gold medal of Yerevan State University for outstanding academic performance
- 2016 Best student of the department of Mathematics and Mechanics, YSU
- 2014 Silver medal at International Mathematical Olympiad
- 2013 Silver medal at International Mathematical Olympiad
- 2012 Bronze medal at International Mathematical Olympiad

## CONFERENCES AND SUMMER SCHOOLS

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- 2022 Summer school 'Nodal domains and landscape functions', Kopf, Germany, participant
- 2022 Workshop on Real Analysis, Harmonic Analysis, and applications, Oberwolfach Institute, Germany, participant
- 2022 Harmonic analysis and related topics, Conference in honor of Michael Lacey, Centre de Recerca Matemática, Barcelona, Spain, participant
- 2019 Summer school 'Sphere packings and optimal configurations', Kopf, Germany, talk
- 2018 Conference dedicaed to the memory of Sergei Mergelyan, Yerevan, Armenia, participant
- 2017 Summer school 'Mathematics and Applications', Tsakhkadzor, Armenia, participant
- 2015 Summer school 'Mathematics and Applications', Tsakhkadzor, Armenia, participant

## LANGUAGES

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- ARMENIAN: mother tounge
- ENGLISH: fluent
- RUSSIAN: fluent
- GERMAN: beginner