

Ivana
Vojnović

DATE OF BIRTH:
30/11/1987

CONTACT

Gender: Female



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WORK EXPERIENCE

01/04/2018 - CURRENT

Assistant Professor

Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad

Novi Sad, Serbia

01/2018 - 06/2018

Post-doctoral research associate

Department of Mathematics, Faculty of Science, University of Zagreb

Zagreb, Croatia

01/2014 - 04/2018

Teaching Assistant

Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad

Novi Sad, Serbia

02/2012 - 01/2014

Research associate

Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad

Novi Sad, Serbia

EDUCATION AND TRAINING

11/2011 - 07/2017 - Novi Sad, Serbia

Doctor of Philosophy in Mathematics

Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad

- Doctoral Thesis: Microlocal defect distributions and applications, defended on 01/07/2017

10/2010 - 10/2011 - Novi Sad, Serbia

Master of Science in Mathematics

Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad

- Master Thesis: Generalized Solutions to Conservation Laws, defended on 13/09/2011

LANGUAGE SKILLS

MOTHER TONGUE(S): Serbian

English

Listening
B2

Reading
B2

Spoken
production
B2

Spoken
interaction
B2

Writing
B2

PUBLICATIONS

List of publications

- Jelena Aleksić, Stevan Pilipović, Ivana Vojnović – *A note on convergence in the spaces of L^p -distributions*, Novi Sad J. Math., Vol. 44, No. 2, 2014, 173-181
- Jelena Aleksić, Stevan Pilipović, Ivana Vojnović – *H-distributions via Sobolev spaces*, Mediterranean Journal of Mathematics, October 2016, Volume 13, Issue 5, pp 3499–3512
- Jelena Aleksić, Stevan Pilipović, Ivana Vojnović – *H-distributions with unbounded multipliers*, J. Pseudo-Differ. Oper. Appl. (2017), DOI 10.1007/s11868-017-0200-5
- Jelena Aleksić, Stevan Pilipović, Ivana Vojnović - *Defect distributions related to weakly convergent sequences in Bessel type spaces $H_{\Lambda}^{s,p}$* , 2018, Mediterranean Journal of Mathematics, DOI: 10.1007/s00009-018-1185-x ([link](#))
- Nenad Antonić, Ivan Ivec, Ivana Vojnović - *Continuity of pseudodifferential operators on mixed-norm Lebesgue spaces*, 2019, Monatshefte für Mathematik, DOI:10.1007/s00605-019-01318-1 ([link](#))
- Stevan Pilipović, Ivana Vojnović - *Defect distributions applied to differential equations with power function type coefficients*, J. Pseudo-Differ. Oper. Appl. **11**, 1231–1248 (2020). <https://doi.org/10.1007/s11868-019-00322-1>
- Ivan Ivec, Ivana Vojnović - *H-distributions on Hörmander spaces*, Journal of Mathematical Analysis and Applications, (2020). <https://doi.org/10.1016/j.jmaa.2020.124717>.

NETWORKS AND MEMBERSHIPS

Memberships

- Serbian mathematical sciences association, member since 2014
- European Women in Mathematics, member since 2018
- ISAAC (International Society for Analysis, its Applications and Computation), full member since 29 July 2019

PROJECTS

Research projects (collaborator)

- 2012 – 2019 – Methods of Functional and Harmonic Analysis and PDE with Singularities, National Research Project number 174024, PI: Stevan Pilipović
- since 2020 member of COST action CA 18232 Mathematical models for interacting dynamics on networks (mat-dyn-net)
- 2018 - 2022 - Microlocal defect tools in partial differential equations, PI: Nenad Antonić (<http://riemann.math.hr/MiTPDE/index.html>)
- 1.1.2018 - 30.6.2018. - Weak convergence methods and applications, funded by Croatian science foundation (HRZZ), PI: Nenad Antonić (riemann.math.hr/WeConMApp/)
- 2016 - 2017 – Microlocal analysis, partial differential equations and applications to heterogeneous materials; bilateral project Croatia-Serbia, MZOS/MNTR; PI: Stevan Pilipović
- 2015 - Methods of microlocal analysis for solving linear and nonlinear phenomena in transmission of signal (short-term projects of particular interest for sustainable development in AP Vojvodina) PI: Stevan Pilipović

ORGANISATIONAL SKILLS

Organisation of conferences

- 10/2017 – International conference *Applications of Generalized Functions in Harmonic Analysis, Mechanics, Stochastics and PDE*, Novi Sad, member of the organising committee
- 6/2018 - *International workshop on PDEs: analysis and modelling* at Department of Mathematics in Zagreb, member of the organising committee
- 8/2018 - *International Conference on Generalized Functions GF2018*, Novi Sad, Serbia, member of the organising committee

CONFERENCES, SEMINARS, WORKSHOPS

Conferences, seminars, workshops

- DANS – *Days of Analysis in Novi Sad*, 3.7. – 7.7.2014., poster presentation
- Seminar for analysis, Department of Mathematics "Giuseppe Peano", University of Turin, – 15.4.2015., talk: H-distributions via Sobolev spaces
- VI Congress of Mathematicians of Macedonia, International workshop on generalized functions and pseudo-differential operators, Ohrid, 15.6.-18.6.2016, short talk
- International Conference on Generalised Functions 2016, Dubrovnik, 4.-9.9.2016, short talk
- Applications of Generalized Functions in General Relativity, Stochastics and Mechanics, Novi Sad, 27.10.-1.11.2016, short talk
- Workshop *Young Women in Harmonic Analysis and PDE*, Bonn, 2.12.-4.12.2016, poster presentation
- Seminar for differential equations and numerical analysis, Faculty of Sciences Zagreb, 16.10.2017., talk
- *International workshop on PDEs: analysis and modelling* at Department of Mathematics in Zagreb, 18.-20.6.2018., talk
- *ApplMath18*, Šibenik, Croatia, 17-20 September 2018, talk
- *ECMI Modelling Week*, Darmstadt, Germany, 24.2.-3.3.2019 - participation as an instructor for the problem of mathematical modelling of erythrocyte sedimentation
- *Spring School on Analysis 2019*, Paseky nad Jizerou, Czech Republic, May 26 - June 1, 2019 (participation with talk)
- *12th ISAAC Congress*, Aveiro, Portugal, 29 July - 2 August 2019, talk
- 6th Najman Conference, Croatia, 8 September - 13 September 2019, talk
- Congress of young mathematicians, Novi Sad, 3 October - 5 October 2019, talk
- International workshop *Microlocal analysis and partial differential equations*, 24.2.-26.2.2020, Faculty of Sciences, University of Zagreb

STUDY VISITS

Study visits

- 1.3.-30.5.2015. - Department of Mathematics "Giuseppe Peano", University of Turin
Scientific host: Sandro Coriasco.
- 1.10.2010-31.1.2011- 4-months scholarship for doing research at the Department of Mathematics at the University of Vienna (passed exams on Distribution theory and Partial differential equations).

TEACHING

Teaching experience

2012 – current: exercises for several undergraduate and graduate courses (Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad) : Measure and integral (2019); PDEs, (2012-2019); ODEs (2012-2018) Probability (2016-2018); Stochastic analysis (2017); Analysis 1 (2012-2014); Metric and normed spaces (2012-2016); Analytic geometry (2013).

Additionally employed at the Faculty of Medicine, Novi Sad in 2017 and 2019.

Since 2019 lectures and exercises for graduate courses Advanced chapters of functional analysis and Numerical solving of partial differential equations

MASTER STUDENTS

Students who defended their theses

- Milica Lučić, defended 2018 (Weak topologies and applications, [master thesis](#))
- Nikola Sarajlija, defended 2019 (Topological approach to the distribution theory with applications to some partial differential equations)