

# Tomasz Rzepecki

## Curriculum Vitae

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## Education

- 2014–2018 **PhD, mathematics**, *Uniwersytet Wrocławski*, Wrocław, Poland  
Thesis: *Bounded Invariant Equivalence Relations*, supervised by Krzysztof Krupiński
- 2012–2014 **MSc, mathematics**, *Uniwersytet Wrocławski*, Wrocław, Poland  
Thesis: *Smoothness of Bounded Invariant Equivalence Relations*, supervised by Krzysztof Krupiński
- 2009–2012 **BSc, mathematics**, *Uniwersytet Wrocławski*, Wrocław, Poland

## Experience

### Employment

- 2018–Present **Assistant professor**, *Uniwersytet Wrocławski*, Wrocław, Poland
- 2018–2019 **Post-doctoral Fellowship Lady Davis**, *Hebrew University of Jerusalem*, Jerusalem, Israel

### Grants

- 2016– 2019 Principal investigator in the NCN *Preludium* Grant
- 2017– 2018 *Etiuda* scholarship and internship programme by the NCN
- 2017–2021 Investigator in the NCN grant *Sonata Bis*

## Papers

### Preprints

- 2020 **Generating ideals by additive subgroups of rings**, with Krzysztof Krupiński  
submitted

### Published papers

- 2021 **Hereditary G-compactness**  
*Archive for Mathematical Logic*
- 2021 **On the automorphism group of the universal homogeneous meet-tree**, with Itay Kaplan and Daoud Siniora  
*The Journal of Symbolic Logic*
- 2020 **Galois groups as quotients of Polish groups**, with Krzysztof Krupiński  
*Journal of Mathematical Logic* 20.03
- 2018 **Topological dynamics and the complexity of strong types**, with Krzysztof Krupiński and Anand Pillay  
*Israel Journal of Mathematics* 228.2

2018 **Equivalence relations invariant under group actions**

*The Journal of Symbolic Logic* 83.2

2016 **Smoothness of bounded invariant equivalence relations**, with Krzysztof Krupiński

*The Journal of Symbolic Logic* 81.1

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## Conferences and workshops

### Plenary talks

- December 2019 **Generic tuples and free groups**, *22<sup>nd</sup> Colloquiumfest*, AV ČR, Praha, Czechia
- September 2018 **Strong type spaces as quotients of Polish groups**, *Neostability theory*, CMO, Oaxaca, Mexico
- September 2017 **Model-theoretic Galois groups as quotients of Polish groups**, *Set theoretic & Topological methods in Model Theory*, ISI, Tezpur, India
- May 2016 **When do closed classes imply closedness?**, *Antalya Algebra Days XVIII*, Nesin Mathematical Village, Şirince, Turkey
- July 2015 **Topological dynamics and the complexity of strong types II**, *Neostability theory*, CMO, Oaxaca, Mexico
- August 2014 **Smoothness of bounded invariant equivalence relations**, *Classification Theory Workshop*, NIMS, Daejeon, Korea

### Invited session talks

- September 2019 **Teoria modeli a przestrzenie Banacha i dynamika topologiczna**, *Jubileuszowy Zjazd Matematyków Polskich w stulecie PTM*, Kraków, Poland
- September 2018 **Linear orders, cyclic orders and hereditary G-compactness**, *Joint meeting*, Uniwersytet Wrocławski, Wrocław, Poland

### Contributed talks

- July 2017 **Model Theory, Topological Dynamics and Descriptive Set Theory**, *11th Panhellenic Logic Symposium*, European Cultural Center of Delphi, Delphi, Greece
- August 2015 **Topological dynamics and invariant equivalence relations**, *Logic Colloquium 2015*, University of Helsinki, Helsinki, Finland

### Selected seminar talks

- May 2018 **Strong types, Polish groups and topological dynamics**, *+972 Seminar*, University of Haifa, Haifa, Israel

### Conferences and workshops without talks

- June 2019 *Model Theory of Valued Fields and Applications*, WWU, Münster, Germany.
- April 2018 *Set Theory, Model Theory and Applications*, BGU, Eilat, Israel.
- January–March 2018 *Théorie des modèles, Combinatoire et Corps Valués*, IHP, Paris, France.
- June/July 2017 *Model Theory*, Wrocław and Będlewo, Poland.

- July 2016 Graduate Student and Postdoc Mini-Courses & International conference as a part of the Thematic Program on Model Theory, Notre Dame, USA.
- April/May 2016 *Model Theory Month in Münster*, WWU, Münster, Germany.
- June/July 2015 *When Topological Dynamics meets Model Theory*, Marseille, France.
- October 2013 *Andrzej Mostowski Centenary Conference*, Warsaw, Poland.
- August 2012 *Model Theory in Wrocław*, Uniwersytet Wrocławski, Wrocław, Poland.

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## Awards

- 2021 Excellence Initiative - Research University award for young scientists
- 2014 Third place in Józef Marcinkiewicz contest for the best student's paper in Mathematics

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## Teaching

- Linear algebra (lecturer, TA)
- Advanced calculus (TA)
- Introduction to mathematics (TA)
- Databases/basic PostgreSQL (TA)
- Programming in Python (TA)

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## Selected service

- referee for Israel Journal of Mathematics, Journal of Symbolic Logic, Mathematical Logic Quarterly
- June/July 2017 Member of the organising committees for the conference *Model Theory*, in Wrocław and Będlewo (Poland)

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## Languages

- Polish Native
- English Full professional proficiency
- French Basic