

Curriculum Vitae

Santi Spadaro

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Personal Information

- Full Name: Santi Domenico Spadaro.
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Academic Titles

- Italian Habilitation to the rank of Associate Professor (01/A2), valid from 28/03/2017 to 28/03/2023.
- PhD in Mathematics, Auburn University, USA, 2006–2009.
- Laurea in Mathematics, University of Catania, Italy, 2001–2005, *magna cum laude*.

Academic positions

- Postdoctoral Fellow, University of Catania, Italy, 2017–present.
- FAPESP Postdoctoral Fellow, University of Sao Paulo, Brazil, 2014–2017
- Postdoc, Silesian University in Opava, Czech Republic, 2013.
- INdAM-Cofund Postdoctoral Fellow, York University, Toronto, Canada, 2012–2013 (co-funded by Marie Curie Actions).
- Visiting Assistant Professor, Miami University, Ohio, USA, 2011–2012.
- Postdoctoral Fellow, Ben Gurion University, Israel, 2009–2011 (funded by the Center for Advanced Studies in Mathematics).
- Research and Teaching Assistant, Auburn University, USA, 2006–2009.

Papers

1. S. Spadaro and P. Szeptycki, G_δ covers of compact spaces, submitted.
2. A. Bella and S. Spadaro, *On the cardinality of almost discretely Lindelöf spaces*, submitted.
3. S. Spadaro, *Infinite games and chain conditions*, *Fundamenta Mathematicae* **234** (2016), 229-239.
4. S. Spadaro, *Countably compact weakly Whyburn spaces*, *Acta Mathematica Hungarica* **149** (2016), 254–262.
5. L. Aurichi, S. Spadaro, L. Zdomskyy, *Selective versions of chain condition-type properties*, *Acta Mathematica Hungarica* **148** (2016), 1–16.
6. A. Bella and S. Spadaro, *Infinite games and cardinal properties of topological spaces*, *Houston Journal of Mathematics*, **41** (2015), 1063–1077.
7. M. Kojman, D. Milovich and S. Spadaro *Noetherian type in topological products*, *Israel Journal of Mathematics* **202** (2014), 195–225.
8. N. May, S. Spadaro and P. Szeptycki, *A new class of spaces with all finite powers Lindelöf*, *Topology and its Applications*, **170** (2014), 104–118.
9. S. Spadaro, *Increasing chains and discrete reflection of cardinality*, *Rendiconti dell’Istituto Matematico dell’Universita’ di Trieste*, **45** (2013), 1–10.
10. D. Soukup, L. Soukup and S. Spadaro, *Comparing weak versions of separability*, *Topology and its Applications*, **160** (2013), 2538–2566.
11. S. Spadaro *P-spaces and the Volterra property*, *Bulletin of the Australian Mathematical Society*. **87** (2013), 339-345.
12. S. Spadaro, *On two topological cardinal invariants of an order-theoretic flavor*, *Annals of Pure and Applied Logic*, **163** (2012), 1865–1871.
13. A. Bella, C. Costantini and S. Spadaro, *P-spaces and the Whyburn property*, *Houston Journal of Mathematics*, **37**, 3 (2011), 995–1015.
14. S. Spadaro *A short proof of a theorem of Juhász*, *Topology and its Applications*, **158**, 16 (2011), 2091–2093.
15. A. Bella, M. Matveev and S. Spadaro, *Variations of Selective Separability II: discrete sets and the influence of convergence and maximality*, *Topology and its Applications*, **159** (2012), 253–271.
16. S. Spadaro, *A note on discrete sets*, *Commentationes Mathematicae Universitatis Carolinae*, **50**, 3 (2009), 463–475.
17. S. Spadaro, *Covering by discrete and closed discrete sets*, *Topology and its Applications*, **156** (2009), 721–727.

Work in progress

- L. Aurichi and S. Spadaro, *The weak Lindelöf number and the cardinality of topological spaces*, preprint.
- S. Spadaro, *Cardinal functions for the G_δ topology*, preprint.
- S. Spadaro, *Some remarks on Corson compacta*, preprint.

Courses

- At the University of Catania:
 - Linear Algebra and Geometry (Spring 2017).
- At Miami University (2011-2012).
 - 2 sections of Calculus I
- At Auburn University (2006-2009).
 - 8 sections of Business Calculus II
 - 2 sections of Math for Elementary Education III
 - Introduction to Advanced Mathematics
 - Calculus I
 - College Algebra

Cosupervision of students

- Collaborated with Lucia Junqueira in advising her student Robson Figueredo (PhD University of Sao Paulo, 2015).
- Collaborated with Paul Szeptycki in advising his student Natasha May (PhD York University, 2013).

Selected Awards and Honours

- Short visit grant (project INFTY), European Science Foundation, 2011.
- VATAT Grant, Israeli Council for Higher Education, 2010.
- Ben Fitzpatrick Memorial Fellowship, Auburn University, 2008.

Selected talks

- Spring Topology and Dynamical Systems Conference, New Jersey City University, USA, March 2017, semi-plenary speaker.
- Twelfth Symposium on General Topology and its relations to Modern Analysis and Algebra (TOPOSYM 2016), Prague Czech Republic, August 2016, contributed talk.
- Analysis, Topology and Algebra: Theory and Applications (ATA 2016), Čačak, Serbia, July 2016, contributed talk.
- International Conference on Topology (ITCM 2015), Messina, Italy, September 2015, invited speaker.
- Federal University of Bahia, Brazil, April 2015, seminar talk.
- Congresso Brasileiro de Jovens Pesquisadores em Matematica Pura e Aplicada, December 2014, contributed talk.
- Federal University of Bahia, Brazil, April 2014, seminar talk.
- ICMC-University of Sao Paulo, Sao Carlos, Brazil, August 2013, two seminar talks.
- Brazilian Conference on General Topology and Set Theory (STW 2013), Sao Sebastiao, SP, Brazil, August 2013, contributed talk.
- Kurt Gödel Research Center for Mathematical Logic, University of Vienna, Austria, June 2013, seminar talk.
- University of Colorado, Boulder, USA, April 2013, seminar talk.
- Spring Western Meeting of the AMS, University of Colorado, Boulder, USA, April 2013, invited special session talk.
- 8th Italian-Spanish Conference on Topology and its Applications, Trieste, Italy, September 2012, invited speaker.
- Fields Institute, University of Toronto, Canada, March 2012, seminar talk.
- University of Wisconsin-Parkside, Kenosha, WI, USA, March 2012, seminar talk.
- Rényi Institute, Hungarian Academy of Sciences, Budapest, Hungary, July 2011, seminar talk.
- BLAST 2011, University of Kansas, Lawrence, KS, USA, June 2011, contributed talk.
- Winter School in Abstract Analysis: Section Topology, Hejnice, Czech Republic, February 2011, contributed talk.
- Center for Theoretical Study, Prague, Czech Republic, August 2010, seminar talk.
- Summer Topology Conference 2010, Kielce, Poland, July 2010, contributed talk.
- Galway Topology Colloquium 2010, Birmingham, England, June 2010, contributed talk.
- University of Trieste, Italy, September 2009, seminar talk.

- Second European Set Theory Meeting: in honour of Ronald Jensen, Bedlewo, Poland, July 2009, poster presentation.
- Spring Topology and Dynamics Conference, University of Florida, Gainesville, FL, USA, March 2009, invited special-session talk.
- Fall Southeastern Meeting of the AMS, University of Alabama-Huntsville, USA, October 2008, invited special session talk.
- Pittsburgh Topology Conference, University of Pittsburgh, USA, October 2008, one-hour talk.
- Advances in Set Theoretic Topology 2008, Erice, Italy, June 2008, contributed talk.
- Spring Topology and Dynamics Conference 2008, Milwaukee, WI, USA, March 2008, contributed special session talk.
- Spring Topology and Dynamics Conference 2007, Rolla, MO, USA, March 2007, contributed special session talk.

Short-term Research Visits

- Kurt Gödel Research Center for Mathematical Logic, University of Vienna, Austria, December 2016 (hosted by Lyubomyr Zdomskyy and funded by the University of Vienna and FAPESP).
- York University, Toronto, Canada, November-December 2015 (hosted by Paul Szeptycki and funded by FAPESP).
- Federal University of Bahia, Salvador, Brazil, April 2015 (hosted by Samuel Gomes da Silva and funded by FAPESP and the Federal University of Bahia).
- ICMC-USP, Sao Carlos, SP Brazil, June-July 2014 (hosted by Leandro Aurichi and funded by FAPESP).
- Federal University of Bahia, Salvador, Brazil, April 2014 (hosted by Samuel Gomes da Silva and funded by FAPESP).
- ICMC-USP, Sao Carlos, SP, Brazil, August 2013 (hosted by Leandro Aurichi and funded by FAPESP).
- Kurt Gödel Research Center for Mathematical Logic, University of Vienna, Austria, June 2013 (hosted by Lyubomyr Zdomskyy and funded by the University of Vienna).
- University of Colorado, Boulder, USA, April 2013 (hosted by J. Donald Monk and funded by the University of Colorado).
- Hungarian Academy of Sciences, Budapest, Hungary, July 2011 (hosted by Lajos Soukup and funded by the European Science Foundation - project INFTY short visit grant).
- Institute for Advanced Study, Princeton, June 2011 (hosted by Menachem Kojman and funded by Ben Gurion University).
- Czech Academy of Sciences, Prague, Czech Republic, February-March 2005 (hosted by Jan Pelant and funded by the University of Catania).

Service and Outreach

- Member in Harlen Garcia's MA committee, Federal University of Bahia, April 2015.
- Founder and organizer of the PCF theory seminar, University of Sao Paulo, September-December 2014.
- Referee for the journals: *Acta Mathematica Hungarica*, *Advances in Mathematics*, *Commentationes Mathematicae Universitatis Carolinae*, *Quaestiones Mathematicae* and *Topology and its Applications*.
- Reviewer for the American Mathematical Society.
- Expository talk on *Cantor's Continuum Problem*, Silesian University of Opava, March 2013, delivered to an audience of high school students.

Languages

Italian, English, Portuguese, Spanish, Hebrew.