

Curriculum vitae

di Dikran Dikranjan

Nato: il 5.02.1050 a Rousse (Bulgaria), cittadinanza italiana.
Laurea in Mathematica: Università di Sofia, conseguito nel 1973
Ph.D. in Mathematica: Università di Sofia, conseguito nel 1978
Secondo Dottorato (perfezionamento): alla Scuola Normale Superiore di Pisa 1980-1983.

Posizioni accademici

1978–1986 ricercatore presso Institute of Mathematics, Bulgarian Academy of Sciences, Sofia.
1986–1992 Professore Associato presso Institute of Mathematics, Bulgarian Academy of Sciences.
1992–2000, Professore Associato in Algebra, Università di Udine
2000–2020, Professore ordinario di Algebra, Università di Udine

Interessi scientifici e attività di ricerca e didattica

L'attività di ricerca si è concretizzata in oltre 250 pubblicazioni scientifiche apparse su riviste internazionali, cinque monografie e un libro di testo in diverse aree dell'algebra, topologia, dinamici sistemi e teoria delle categorie. Ha diretto 13 tesi di dottorato e numerosi tesi di laurea in questi campi della matematica. Ha tenuto i corsi di Algebra (I e II), Topologia (I e II), Istituzioni di Algebra Superiore e Teoria delle categorie.

Responsabile o coordinatore di programmi di ricerca nazionali o internazionali

Collaborative research grant of NATO, CRG 950347, for the project “Topological and algebraic representation theorems and their applications” in 1995-96, extended for 1997-98 (for collaboration with the University of West Virginia, USA).

Research grant of the Italian Ministry of University and Research MURST for 1998 for the project “Theory of rings, modules and abelian groups: homological, topological and categorical methods”

Research grant of MURST in 2000 for the project “New perspectives in the theory of rings, modules and abelian groups.”

Research grant of MURST in 2002 for the project “Subgroups of the compact groups”

Research grant of MURST in 2005 for the project “Selected arguments on topological groups and rings of functions”

Research grant of MURST in 2005 for the project “Modules over integral domains, abelian topological groups and algebraic entropy”

Research grant of MURST in 2008 for the project “Modules over integral domains, abelian topological groups and algebraic entropy”

Ministerio de ciencia e innovación (MICINN) in Spain, grants MTM2006-02036, MTM2008-04599, MTM2009-14409-C02-01.
Slovenian Research Agency (SRA), grants P1-0292-0101 and J1-9643-0101.

Research grant of Fondazione Cariparo (Padua) in 2012 for the project “Algebraic structures and their applications: abelian and derived categories, algebraic entropy and representation of algebras”

Research grant L13710 (long-term FY2013 visitor grant) of the Japan Society for the Promotion of Science (JSPS) March 2014-January 2014.

PRID2017 del DMIF dell'Università di Udine per il biennio 2017/19.

Nucleo di Valutazione 1997-2005

Membro del Nucleo di Valutazione dell'Università di Udine per i seguenti quattro bienni: 1997-1999 (DR 1255 del 24.12.1997, sezione ricerca), 1999-2001 (DR 1071 del 30.12.1999 sezione ricerca), 2001-2003 (DR 1302 del 06.12.2001, sezione didattica), 2003-2005 (DR 310 del 28.04.2004, sezione didattica).

Soggiorni di Ricerca

October 1986, November/December 1988, November 1990: Steklov Institute of Mathematics, Soviet Academy of Sciences and Moscow State University “Lomonosov”

May 1990: Department of Mathematics, University of l'Aquila, Italy

September/December 1983 (Padua), April/June 1989 (Padua, l'Aquila): Visiting Professor of Italian CNR

October/December 1989, June/August 1991, April 1993, September 2003, April/July 2005: Department of Mathematics, York University, Canada

June 1990 and October 1991: Department of Mathematics, University of Padua, Italy

April 1997, July/August 1999/December 2004: Department of Mathematics, UAM Mexico City, Mexico.

July 1994: Department of Mathematics, University of Bern, Switzerland
 December 1994/January 1995, February/March 1998, November 2003, December 2007, October 2008, December 2009:
 University of Matsuyama, Japan.
 September 1995, CUNY, New York, USA.
 October 1995, April 1996, March 1999 : University of West Virginia.
 May 1996: University of California at Los Angelis (UCLA), Bakersfield Campus, Pomona Polytechnics
 March 1997: University of Mississippi
 July 2000: University of West Australia, Perth.
 July 2000: University of South Australia, Adelaide.
 April/May 2004, October 2007, November 2012: Bar Ilan University, Tel Aviv and Ben Gurion University of Beer Sheva
 October/November 2004: University of Wisconsin at Madison.
 January/February 2005: University of Coimbra, Portugal.
 September/December 2005, May/June 2007, December 2010, September 2011: Universidad Complutense de Madrid, Spain.
 June 2003, July 2007, June 2012: University Jaume I, Castellon, Spain.
 October 2010, October 2011: Universidad de Navarra, Spain.
 October 2013: University of Malta.
 November 2013, December 2017: University of Cape Town (South Africa).
 January/February 2014: Mimar Sinan University of fine arts (Istanbul) and Selcuk University (Konya), Turkey
 September 2016, October 2019: Nanjing Normal University, China
 February/May 2019, University of Łódź, Poland.
 February 2017, 2020: Universität Passau.

Conferenze plenary o su invito a convegni internazionali

International conference on Rings and Modules, Krems (Austria), August 1988
 Categorical Topology Conference, Prague, August 1988
 International Topology Conference, Lecce (Italy), 1990
 Summer School in Category Theory, Bressanone (Italy), 1991
 Topology Conference, Matsuyama (Japan), 1994
 8-th Prague Symposium on Topology and its Relation to Modern Algebra and Analysis, 1996
 II Iberoamerican Topology Conference, Morelia (México), 1997
 1997 Spring Topology and Dynamics Conference, Lafayette, Louisiana, USA
 International Conference in honour of A. Orsatti's 60-th birthday, Padua, June 1997
 Geometric and General Topology Conference, Kyoto (Japan), March 1998
 Workshop on General and Geometric Topology, Osaka (Japan), 1998
 I Joint meeting Japan-Mexico in Topology and its Applications, Morelia (México), 1999
 International Conference on Topology and Applications, Yokohama (Japan), August 1999
 Workshop on topological groups and Lie groups, Madrid, 1999
 Workshop on Algebra, Logic and Geometry, Caserta (Italy), March 21-24, 2000.
 International Topology Conference, Istanbul, 2000
 International Topology Conference ITES2000, Manga de Mar Menor (Spain), 2000
 9-th Prague Symposium on Topology and its Relation to Modern Algebra and Analysis Prague (Čech Republic), 2001
 International Topology Conference ITES2001, Bressanone (Italy), June 2001
 II Joint meeting Japan-Mexico in Topology and its Applications, Matsue (Japan), 2002
 IV Iberoamerican Topology Conference, Lorca (Spain), 2003
 Conference on General Topology, Kyoto (Japan), November 2003.
 Workshop on dimension theory of topological group, Barcelona, March 11-14, 2004.
 Topology Conference, Beer Sheva University, Beer Sheva (Israel), April 29-30, 2004.
 International Topology Conference, Skopje (Macedonia), 2004
 III Joint meeting Japan-Mexico in Topology and its Applications, Oaxaca (México), December 6-10, 2004.
 Workshop on topological groups and number theory, Wien (Austria), March 2005.
 Workshop on Geometric Topology, Nipissing University, North Bay (Canada), May 2005.
 Meeting of the Canadian Math. Society, Waterloo University (Canada), June 2005.
 Workshop on Topological Groups, Pamplona (Spain), August 2005.
 Workshop on topological aspects of category theory, Antwerp (Belgium), December 2005.
 International Topology Conference, Aegion (Greece), July 2006.
 10-th Prague Symposium on Topology and its Relation to Modern Algebra and Analysis, (Prague, August 2006)
 International Topology Conference ITES2007, Bressanone (Italy), June 26–29, 2007
 Categorical Methods in Algebra, Topology and Computer Science, October 26-28, 2007, Coimbra, Portugal
 IV Joint meeting Japan-Mexico in Topology and its Applications, December 3-7, 2007, Kyoto, Japan
 Workshop "Hyperspaces and Selections", Matsuyama (Japan), December 2007

Advances in Set-Theoretic Topology, International Conference in honour of T. Nogura's 60-th birthday, June 9-19, 2008, Erice, Sicily, Italy.

International Conference on Topology and its Applications, Ankara, June 2009,

Workshop on Topological Groups, A Coruña (Spain), October 2009.

Groups and Topological groups, Essen (Germany), January 2010.

Ishia Group Theory, April 2010, Ischia (Italy).

International Conference on Topology and its Applications, June 26-30, 2010, Nafpaktos, Greece

Algebra Meets Topology, International Conference in honour of D. Dikranjan's 60-th birthday Barcelona, July 2010.

Advances in Group Theory and Applications June 2011, Porto Cesareo (Lecce, ITALY).

International Conference on Topology and its Applications, Islamabad, July 2011,

11-th Prague Symposium on Topology and its Relation to Modern Algebra and Analysis, (Prague, August 2011)

Commutative Rings and their Modules, Bressanone, June 4-8, 2012

Workshop in Applied Topology (WiAT'12), Castellon (Spain), June 20-22, 2012

VI Workshop on Coverings, Selections, and Games in Topology, Caserta (Italy), 27 June 2012.

Gruppen und Topologische Gruppen, Vienna July 6, July 7, 2012,

International Topology Conference ITES2012, Trieste, September 2012

Spring Topology Conference, Hartford, USA, March 2013,

Summer Topology Conference, North Bay, Canada, July 2013.

International Conference on Topology and Geometry 2013, joint with the Sixth Japan-Mexico Topology Symposium (JAMEX VI), Matsue (Japan), September 2-6, 2013.

Groups and Topological groups, Mimar Sinan University, Istanbul (Turkey), January 2014.

49th General Topology Symposium, Kyoto Institute of Technology (Japan), June 5-6, 2014

International Workshop on Mathematical Sciences in Matsue, Shimane University (Japan), October 11-13, 2014

RIMS meeting on Set-theoretic/Geometric Topology and Related topics, Kyoto (Japan), October 22-24, 2014

Workshop on mathematical logic, Kobe University, Kobe (Japan), November 15 - 19, 2014

Symposium of General Topology 2014, Shizuoka (Japan), December 16 - 18

International Conference on Topology and Set Theory, Yokohama, August 2015.

12th Prague Topological Symposium, Prague July 2016

Workshop on Topology and its Applications, Nanjing Normal University, Nanjing, September 24, 2016

Pittsburgh Topology Conference, June 2017, Pittsburgh (USA).

Summer Topology Conference, June 2017, Dayton, Ohio (USA).

Mathematical days in Sofia, July 2017, Sofia (Bulgaria).

Workshop on Topology and Topological Groups, Muizenberg (Cape Town), African Institute for Mathematical Sciences, South Africa, 6 - 7 December 2017.

2018 Workshop on Topological Methods in Analysis and Algebra, Burriana, June 2018

International Conference on Topology and its Application, Nafpatos, Greece, July 2018.

International Eurasian Conference on Mathematical Sciences and Applications, Kiev, August 2018.

First Joint meeting of the Italian Mathematical Union, the Italian Society of Industrial and Applied Mathematics and the Polish Mathematical Society, Wroclaw, September 2018

AGTA workshop - Reinhold Baer Prize 2018, Napoli Novembre 2018

International Conference Mathematical communities in the reconstruction after the Great War (1918-1928), CIRM, Marseilles (12-17 November 2018)

Dynamical systems and beyond, Pisa (Italy) 25-27 March

2019 Interdisciplinary Colloquium in Topology and its Applications, Vigo (Spain) June 19-22, 2019

Dynamics of (Semi-)Group Actions Łódź (Poland) 8-13 July, 2019

International Conference "Group Theory in Berlin", Berlin, 19-21 September 2019

Supervisione di tesi di dottorato

Ivan Gotchev, Compactly determined and sequentially determined extensions of topological spaces (University of Sofia, 1985/1988).

Alberto Tonolo, Closure in abstract categories and categories of topological modules, (University of Florence, 1990/1993).

Chiara Milan, On the structure theory of locally compact groups and applications, (University of Florence, 1999/2002).

Erica Zanin, Selected topics in rings of continuous functions, (University of Trento, 2004/2006).

Valentina Rossi, Galois Structures and Coverings in Universal and Topological Algebra, (University of Udine/Université Catholique de Louvain, 2004/2007).

Anna Giordano Bruno, Cardinal invariants of topological groups and applications to κ -pseudocompact groups, (University of Udine, 2005/2008)

Lorenzo De Leo, Weak and strong topologies of the abelian topological groups, (Universidad Complutense de Madrid, 2003/2008).

Sergio Zampa, Topological entropy and its connection to the algebraic entropy and the measure entropy, (University of Udine, 2006/2011).

Daniele Toller, Markov topologies of groups, (University of Udine, 2009/2012).
Daniele Impieri, Characterized subgroups of the abelian topological groups, (University of Udine, 2011/2013)
Nicolò Zava, Coarse geometry: a foundational and categorical approach with applications to groups and hyperspaces, (University of Udine, 2016/2019)
Wenfei Xi, Locally minimal groups, Nanjing Normal University, Udine University 2016/2019

Supervisione di tesi di laurea

Gerda Mladenova, Locally compact group topologies on abelian groups (University of Sofia, 1979/80)
Ivan Gotchev, Supertopologies and extensions of topological spaces (University of Sofia, 1984/85)
Luca Codutti, Designs and incidence structures (University of Udine, 1995/96)
Chiara Milan, Continuous dualities between categories of topological modules (University of Padova, 1996/97)
Rosa Ermacora, Approximation by uniformly continuous functions (University of Udine, 1996/97)
Elena Boschi, Generators of topological groups (University of Udine, 1997/98).
Ruth Marussi, Complemented lattices (University of Udine, 1998/99)
Danira Romanello, Recent trends in minimal topological rings (University of Udine, 1999/2000).
Raffaele Di Santo, The Galois connection of a topological game (University of Udine, 2000/2001).
Erica Zanin, Chromatic number of hypergraphs and applications to van Douwen's problems on the Bohr topology, (University of Udine, 2001/2002).
Lorenzo De Leo, Typical continuous maps in the Bohr topology, (University of Udine, 2001/2002).
Anna Giordano Bruno, Extremal pseudocompact groups, (University of Udine, 2002/2003).
Lorenzo Buseti, Entropy of endomorphisms of torsion abelian groups, University of Udine, 2005/2006.
Erika Agnolin, Generalized theorem Hurwitz: classification of the composition algebras over a field, (University di Udine, 2006/2007)
Gabriele Negro, Monothetic topological groups, (University of Udine, 2007/2008)
Simone Virili, The endomorphism ring of an abelian group, University of Udine, 2007/2008
Antonia Mos, On Artin-Schreier's theorem, University of Udine, 2007/2008
Nunzio Turtlicci, On the ring of continuous functions, (University of Udine, 2007/2008)
Daniele Toller, The Markov-Zarisky topology of the abelian groups, (University of Udine, 2007/2008)
Federico Berlai, Entropy of endomorphisms of the abelian groups (University of Udine, 2008/2009)
Gregoria Rizzardelli, Un invariante cardinale relativo ad un gruppo di automorfismi, (University of Udine, 2009/2010)
Davide Liessi, Automorfismi of abelian groups, (University of Udine, 2009/2010)
Lorenzo Buseti, Entropy of normed semigroups, (University of Udine, 2009/2010)
Erika Agnolin, T -sequences in abelian groups, (University of Udine, 2009/2010)
Antonia Mos, On a class of ordered fields related to analysis, (University of Udine, 2010/2011)
Gabriele Negro, Successioni caratterizzanti dei sottogruppi dei gruppi topologici (University of Udine, 2010/2011)
Federico Berlai, La funzione scala e l'entropia degli automorfismi dei gruppi localmente compatti abeliani (University of Udine, 2011/2012)
Gregoria Rizzardelli, Products of minimal abelian groups, (University of Udine, 2011/2012)
Dodji Komlan Hounkanli, Topological games, (University of Udine, 2011/2012)
Marco Bonato, Heisenberg groups and their generalizations, (University of Udine, 2011/2012)
Massimo Stella, Almost periodic functions and Følner theorem, (University of Udine, 2013/14)
Nicolò Zava, Large scale geometry with applications on groups, (University of Udine, 2015/16)
Gaetano Costa, Epimorfismi in categorie topologiche, (University of Udine, 2015/16)
Flavio Salizzoni, La topologie di Bohr (University of Udine, 2016/17)
Paolo Arnaudo, Alcuni teoremi classici sui gruppi infiniti (University of Udine, 2017/18)
Flavio Salizzoni, Entropia algebrica di azioni di semigruppri amenabili (University of Udine, 2018/19)
Andrea Brun, La compattificazione di Stone-Čech di \mathbb{N} (University of Udine, 2019/20)

Referee esterno di tesi di dottorato

Nguyen Fan Dien, "Fuzzy topological spaces" (Sofia University, 1987)
Nikolai Hadjiivanov, "Extremal graphs" (for Doctor of Sciences degree, Sofia University, 1988)
Luchezar Stoyanov, "Dynamics of billiard systems", (for Doctor of Sciences degree, Sofia University, 1989)
Gustavo Mezetti, "Topological Morita duality" (Padua University, 1998)
Gabor Lukacs, "c-Compactness and Generalized Dualities of Topological Groups" (York University, Toronto, 2003)
An Gerlo, "Separation, completeness and compactness in Metrically Generated Theories" (Vrije University, Brussels, 2007).
Chiara Baldovino, "Sequential order of compact sequential spaces" (Milan University, 2007)
Andrea Montoli, "Action accessibility for categories of interest" (Milan University, 2010)

Organizzazione di convegni internazionali

International Conferences on Topology, Primorsko (Bulgaria), September 1984

International Conferences on Topology, Varna (Bulgaria), September 1990
 International Conference in honour of A. Orsatti's 60-th birthday, Padova, June 1997.
 International Algebra Conference, Venezia 2002, San Servolo, June 2002.
 International Conference "Algebraic Structures and their Applications - ASTA", Spineto, June 2014.
 International Conference on Dynamical Methods in Algebra, Geometry and Topology, July 4-6, 2018,
 International Conference on Dynamics of (Semi-)Group Actions, Łódź (Poland) in July 9-12, 2019.

Elenco delle pubblicazioni

1. *Precompact minimal topologies on rings*, Annuaire Univ. Sofia Fac. Math. Méc. **67**, (1972/73) 391-397.
2. *Totally minimal topological groups*, Annuaire Univ. Sofia Fac. Math. Méc. **69**, (1974/75) 5-11 (jointly with Iv. Prodanov).
3. *A class of compact abelian groups*, Annuaire Univ. Sofia, Fac. Math. Méc. **70**, (1975/76) 191-206 (jointly with Iv. Prodanov).
4. *Precompact minimal topologies on Noetherian domains*. C. R. Acad. Bulgare Sci. **29**, (1976) 1561-1562.
5. *A-classes of minimal abelian groups*. Annuaire Univ. Sofia Fac. Math. Méc. **71**, part II, (1976/77) 53-62 (jointly with L. Stoyanov).
6. *Minimal ring topologies and Krull dimension*, Colloq. Math. Soc. Janos Bolyai **23**. Topology, Budapest (Hungary), (1978) 357-366.
7. *On a class of topological rings*, Proc. 7th Conf. of the Union of Bulg. Math., Sunny Beach, (1978) 305-313 (in Bulgarian).
8. *Minimal extensions of finite fields*, Proc. 8th Conf. of the Union of Bulg. Math., Sunny Beach, (1979) 208-215 (in Bulgarian).
9. *Minimal topologies on rings*, (a plenary talk), Proc. 8th Conference of the Union of Bulgarian Math. Soc., Sunny Beach, (1979) 5-13 (in Bulgarian).
10. *A topological characterization of p-adic numbers and an application to minimal Galois extensions*, Annuaire Univ. Sofia, Fac. Math. Méc. **73**, (1979) 103-110.
11. *Rings with only ideal topologies*, Comm. Math. Univ. S. Pauli, **29**, n. 2 (1980), 157-167 (jointly with W. Wieslaw).
12. *Extension of minimal ring topologies*, General Topology and its Relations to Modern Analysis and Algebra V, Proc. Fifth Prague Topological Symposium 1981, J. Novak (ed.) Copyright Heldermann Verlag Berlin 1982, 132-144.
13. *Criterion for minimality of all subgroups of a topological abelian group*, C. R. Acad. Bulgare Sci. **34**, (1981) 635-638 (jointly with L. Stoyanov).
14. *Minimal topological rings*, Serdica **8**, (1982) 139-165.
15. *Invariant ideals and the variety of complexes*, Bollettino U. M. I. (6) 2-B (1983) 33-50 (jointly with E. Ballico)
16. *On a property of the one-dimensional torus*, Rend. Sem. Mat. Univ. Padova **69**, (1983) 277-288 (jointly with N. Rodinó)
17. *On a class of finite-dimensional compact abelian groups*, Colloq. Math. Soc. Janos Bolyai **43**. Topology and Appl., Eger (Hungary), (1983) 215-231.
18. *Closure operators induced by topological epireflections*, Coll. Math. Soc. J. Bolyai **43** (1983) 233-246. (jointly with E. Giuli).
19. *Minimal topologies on divisible groups*, Lecture Notes in Mathematics, Vol. **1060**, Springer-Verlag, Berlin, (1984) 216-226.
20. *Minimalizable topological groups*, Suppl. Rend. del Circolo Mat. di Palermo **4**, (1984) 43-57.
21. *Sugli anelli linearmente comatti*, Suppl. Rend. del Circolo Mat. di Palermo, Ser. II, **4**, (1984), 59-74 (jointly with A. Orsatti).
22. *Sur la minimalité des produits de groupes topologiques abéliens*, C. R. Acad. Sci. Paris **299**, Série I, (1984) 303-306.
23. *Epimorphisms and cowellpoweredness of epireflective subcategories of Top*, Suppl. Rend. Circolo Mat. Palermo, Serie II, **6** (1984) 151-167 (jointly with E. Giuli).
24. *On the structure of linearly compact rings and their dualities*, Rend. Accad. Naz. dei XL, Memorie di Mat., **102**, vol. VIII, fasc. 9, (1984) 143-184 (jointly with A. Orsatti),
25. *On a conjecture of Prodanov*, C. R. Acad. Bulgare Sci. **38**, (1985) 1117-1120.
26. *Quotients of minimal topological groups*, Proc. 14th Conference of the Union of Bulgarian Math. Soc., Sunny Beach, (1985) 234-237 (jointly with N. Rodinó).
27. *Ordinal invariants and epimorphisms in some categories of weak Hausdorff spaces*, Comm. Math. Univ. Carolinae **27** (1986) 395-417 (jointly with E. Giuli).
28. *Epimorphic order in $S(\alpha)$* , in: Proc. Conf. Mem. L. Chakalov 1886-1986, Sofia, January 1986, 57-65.
29. *On the structure of linearly compact rings and their dualities*, Abelian Groups and Modules, Proc. Udine Conf., Udine (Italy) April 1984, Springer Verlag, New York-Wien, 1986, 415-439).
30. *Inclusions preserving epimorphisms*, Proc. Topol. Conf. Baku, (USSR), (1987) 220-230 (jointly with E. Giuli).
31. *Compact groups with totally dense torsion part*, Proc. Baku Topology Conf. (1987) 231-238 (jointly with L. Stoyanov).
32. *Non-completeness measure of convergence abelian groups*. General Topology and its Relations to Modern Analysis and Algebra VI, Proc. Sixth Prague Topological Symposium 1986, Z. Frolík (ed.) Copyright Heldermann Verlag Berlin 1988, 125-134.
33. *On convergence groups with dense coarse subgroups*, Czechoslovak J. Math. **37(112)**, (1987) 471-479 (jointly with R. Frič and F. Zanolin).
34. *Sequentially closed and absolutely closed spaces*, Bollettino U.M.I. (7) 1-B (1987), 849-860 (jointly with Iv. Gotchev).
35. *Closure operators I*, Topology Appl. **27** (1987) 129-143 (jointly with E. Giuli).
36. *Topological categories and closure operators*, Quaestiones Mathematicae, **11** (1988) 323-337 (jointly with E. Giuli and A. Tozzi).
37. *$S(n)$ - θ -closed spaces*, Topology Appl., **28** (1988) 59-74 (jointly with E. Giuli).
38. *On an unpublished manuscript of Ivan Prodanov concerning locally compact modules and their dualities*. Comm. Algebra, **17** (1989) 2739-2771 (jointly with A. Orsatti).
39. *Radicals and duality*, General Algebra 1988, R. Mlitz (Ed.), Elsevier Sci. Publ. (North-Holland) 1990, p. 45-64.

40. *Compactness, minimality and closedness with respect to a closure operator*, Proceedings of the International Conference on Categorical Topology, Prague, 1988 (World Scientific, Singapore 1989) 284-296 (jointly with E. Giuli).
41. *Closure operators II*, Proceedings of the International Conference on Categorical Topology, Prague, 1988 (World Scientific, Singapore 1989) 297-335 (jointly with E. Giuli and W. Tholen).
42. *Products of minimal abelian groups*, Math. Zeit. **204** (1990) 583-603 (jointly with D. Shakhmatov).
43. *Pseudocompact topologizations of groups*, Vestnik radova filozofskog fakulteta u Nišu, **4** (1990) 83-95 (jointly with D. Shakhmatov).
44. *Density and total density of the torsion part of a compact group*, Rend. Accad. Naz. dei XL, Memorie di Mat. 108, Vol. XIV, fasc. 13 (1990) 235-252.
45. *Critical power of minimality of countably compact and pseudocompact groups*, Comp. Rend. Acad. Sci. Bulg., **41**, n. 10 (1990) 13-15 (jointly with D. Shakhmatov).
46. *Kasch bimodules*. Rend. Sem. Mat. Univ. Padova, **85** (1991) 147-160 (jointly with E. Gregorio and A. Orsatti).
47. *Factorizations, injectivity and compactness in categories of modules*. Comm. in Algebra **19** (1), (1991) 45-83 (jointly with E. Giuli).
48. *Compact-like totally dense subgroups of compact groups*, Proc. Amer. Math. Soc. **114**, no. 4 (1992) 1119-1129 (jointly with D. Shakhmatov).
49. *Semiregular closure operators and epimorphisms in topological categories*, Suppl. Rend. Circ. Mat. Palermo, Serie II, n. 29 (1992) 105-160.
50. *Isomorphisms between finite powers of connected, totally minimal, pseudocompact, Abelian groups*, Suppl. Rend. Circ. Mat. Palermo, Serie II, n. 29 (1992) 385-398 (jointly with N. Rodinò).
51. *Connectedness and disconnectedness in pseudocompact groups*, Rend. Accad. Naz. dei XL, Memorie di Mat. **110**, Vol. XVI, fasc. 12 (1992) 211-221.
52. *Pseudocompact topologies on groups*, Topology Proc. **17** (1992) 335-342 (jointly with D. Shakhmatov).
53. *Pseudocompact and countably compact abelian groups: Cartesian products and minimality*, Trans. Amer. Math. Soc. **335**, (1993) 775-790 (jointly with D. Shakhmatov).
54. *Epimorphisms in categories of convergence spaces*, Acta Math. Hung. **61** (3-4) (1993), 197-203 (jointly with E. Giuli).
55. *On the lattice of linear module topologies*, Comm. Algebra **21**, (1) (1993) 275-298 (jointly with A. Tonolo).
56. *Disconnectedness and dimension in pseudocompact groups*, Comp. Rend. Acad. Sci. Paris, **316**, Série I (1993) 309-314.
57. *Convergence Groups: Sequential Compactness and Generalizations*, Rend. Ist. Matematico Univ. di Trieste, **25** (1993) 141-173.
58. *Uniformly approachable functions and UA spaces*, Rend. Ist. Matematico Univ. di Trieste, **25** (1993) 23-56 (jointly with Alessandro Berarducci).
59. *Uniformly approachable functions*, in: G.Choquet, G.Godefroy, M. Rogalski, J. Saint Raymond, Eds. Publications Mathematiques de l'Univ. Pierre et Marie Curie, Seminaire d'Initiation a l'Analyse, 33ème Année (1993/1994) pp. 7-01-7-09 (jointly with Alessandro Berarducci).
60. *Zero-dimensionality of some pseudocompact groups*, Proc. Amer. Math. Soc. **120**, n. 4 (1994) 1299-1308.
61. *Classes of abelian groups related to sequential convergence*, Communication in Algebra, **22** (15) (1994) 6073-6090.
62. *The category of $S(\alpha)$ -spaces is not cowellpowered*, Topology Appl., **61** (1995) 137-150 (jointly with S. Watson).
63. *The lattice of compact representations of an infinite group*, in: Groups 93, Galway/St Andrews Conference, London Math. Soc. Lecture Notes **211** (Cambridge Univ. Press, Cambridge, 1995) 138-155.
64. *Isomorphisms between homeomorphic topological groups*, in: Infinite Groups 1994 (The Proceedings of the International Conference held in Ravello, Italy, May 23-27, 1994) F. de Giovanni and M. Newell, Eds., pp. 33-39, Publ. by W. de Gruyter & Co., Berlin-New York 1995 (jointly with V. Uspenskij).
65. *On the poset of precompact group topologies*, in: Á. Czászár ed., Topology with Applications, Proc. 1993 Szekszárd (Hungary) Conference, Bolyai Society Mathematical Studies, vol. 4 (Elsevier, Amsterdam, 1995) pp. 135-149.
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