

Short CV in English

Professor Dimitrios Georgiou

I.1. PERSONAL DETAILS

Name and Surname: Dimitrios Georgiou

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I.2. EDUCATION

BSc in Mathematics, University of Patras, Greece (1985).

PhD in Mathematics, University of Patras, Greece (1992).

I.3. ACADEMIC HONOURS and AWARDS

1. Highest Grade Point Average, Department of Mathematics, University of Patras (1985).
2. Scholarship for Excellence in Academic Performance, Department of Mathematics, University of Patras, National Scholarship Foundation, Greece (1981 through 1985).

I.4. RESEARCH INTERESTS

Dimension Theory

Universal Spaces

Function Spaces

Topological Groups

Topology and Discrete Mathematics

Mathematical Analysis (Convergences of sequences and nets)

Partially ordered Sets, Lattices and Frames (Study of dimensions and universal elements)

Applications of Topology in Various Sciences

I.5. RESEARCH EXPERIENCE

1. Senior researcher in eight national research programs in the area of Mathematics.
2. Principal Investigator of two national research programs on Topology:
 - A. Topology and its Applications (Duration: Three Years)
 - B. Dimension theory and universal spaces (Duration: Three Years).

I.6. TEACHING EXPERIENCE

– *University of Thessaly: School of Engineering*
General Mathematics I, Statistics, and Descriptive Geometry (1994-2001)

– *University of Patras: School of Exact Sciences*

Department of Mathematics

Undergraduate Courses: Analytic Geometry, Linear Algebra, Real Analysis I, Real Analysis II, Set Theory, An introduction to Algebra and Set Theory, Infinite Calculus III and Topology (2001-present)

Post Graduate courses: Topology I, Topology II, Topological Groups, Dimension Theory

Department of Biology

Undergraduate Courses: General Mathematics–Biostatistics (2017-present)

Department of Geology

Undergraduate Courses: General Mathematics and Mathematics-Statistics (2017-present)

I.7. M.S. THESES SUPERVISION

Completed (10): University of Patras

I.8. PH. D. DISSERTATION SUPERVISION

Completed (1): A.C. Megaritis, Dimension Theory and universal spaces.

Completed (2): B. K. Petropoulos, Function Spaces.

Completed (3): G. Prinos, A study of statistical and I-convergences in topological spaces.

Completed (4): F. Sereti, A study of dimension theory in the field of topological spaces and lattices.

I.9. LANGUAGES

English : Excellent

Greek: Excellent

I.10. COMPUTER SKILLS

Microsoft office

Matlab

Mathematica

I.11 PUBLICATIONS

1. Research Publications

[1]. D. N. Georgiou and S. D. Iliadis, *Containing spaces and α -uniformities*, (Colloquia Mathematica Societatis Janos Bolyai 55, Topology, Pécs, Hungary, 1989), **Topology. Theory and applications, II (Pecs, 1989) North-Holland, Amsterdam** (1993), 245-282.

[2]. D. N. Georgiou and S. D. Iliadis, *Containing spaces and the property of finite intersections*, (V Convegno Internazionale di Topologia in Italia, Lecce-Otranto, 17-21 Settembre 1992), **Rendiconti del Circolo Matematico di Palermo**, Serie II, No. 29 (1992), 415-424.

[3]. Γεωργίου Δημήτρης, *Περιεκτικοί χώροι και α -ομοιομορφία*, Διδακτορική Διατριβή, **Μαθηματικό Τμήμα Πανεπιστημίου Πατρών**, Πάτρα 1992.

[4]. D. N. Georgiou, S. D. Iliadis and B. Papadopoulos, *Topologies on function spaces* (Πωσσιά), **Studies in Topology, VII, Zapiski Nauchnykh Seminarov S.-Peterburg Otdel. Mat. Inst. Steklov (POMI)**, (210) 1992, 82-97.

Μεταφράστηκε και δημοσιεύθηκε στα Αγγλικά στο: **Journal of Mathematical Sciences**, 81 (1996), No. 2, 2506-2514.

[5]. D. N. Georgiou, S. D. Iliadis and B. K. Papadopoulos, *Topologies and orders on function spaces*, **Publicationes Mathematicae Debrecen**, 46/1-2 (1995), 1-10.

[6]. D. N. Georgiou and S. D. Iliadis, *Universal spaces for families of separable metrizable spaces* (Πωσσιά), **Studies in Topology, VIII, Zapiski Nauchnykh Seminarov S.-Peterburg Otdel. Mat. Inst. Steklov (POMI)**, 231 (1995), 88-134.

Μεταφράστηκε και δημοσιεύθηκε στα Αγγλικά στο: **Journal Mathematical Sciences**, 91 (1998), No. 6, 3387-3415.

[7]. D. N. Georgiou and B. K. Papadopoulos, *Convergences and topologies on function spaces*, **Panamerican Mathematical Journal**, No. 1, 5 (1995), 101-119.

[8]. D. N. Georgiou, *A note on a question of Y. Hattori*, **Questions and Answers in General Topology**, Vol. 13, No. 2 (1995), 217-219.

[9]. D. N. Georgiou and B. K. Papadopoulos, *Ideals and its applications*, **Journal of Institute of Mathematics and Computer Sciences (Mathematics Series)** Vol. 9, No.1 (1996), 105-117.

[10]. D. N. Georgiou, *On X - θ -splitting and X - θ -jointly continuous topologies on function spaces*, **Rendiconti dell' Istituto di Matematica dell' Universita di Trieste**, No. 1-2, 27 (1996), 195-202.

[11]. D. N. Georgiou and B. K. Papadopoulos, *A note on the finest splitting topology*, **Questions and Answers in General Topology**, Vol. 15, No. 2 (1997), 137-144.

[12]. D. N. Georgiou and S. D. Iliadis, *Rational n -dimensional spaces and the property of universality* (Πωσιτικά), **Fundamentalnaya i prikladnaya matematika**, Vol. 4, No. 1 (1998), 49-74.

[13]. D. N. Georgiou and B. K. Papadopoulos, *Boundedness and fuzzy sets*, **The Journal of Fuzzy Mathematics**, 6 (1998), No. 4, 941-955.

[14]. D. N. Georgiou and B. K. Papadopoulos, *Convergences in fuzzy topological spaces*, **Fuzzy Sets and Systems**, 101 (1999), No. 3, 495-504.

[15]. D. N. Georgiou and B. K. Papadopoulos, *On fuzzy compactness*, **Journal of Mathematical Analysis and Applications**, 233 (1999), 86-101.

[16]. D. N. Georgiou, *A few remarks concerning ϑ -continuous functions and topologies on function spaces*, **Journal of Institute of Mathematics and Computer Sciences (Mathematics Series)** Vol. 12, No. 2 (1999), 129-138.

[17]. D. N. Georgiou and B. K. Papadopoulos, *Scott topology and fuzzy sets*, **The Journal of Fuzzy Mathematics**, Vol. 7, No. 4 (1999), 803-820.

[18]. D. N. Georgiou and B. K. Papadopoulos, *On fuzzy boundedness*, **Panamerican Mathematical Journal**, 10 (2000), No. 1, 25-43.

[19]. D. N. Georgiou and B. K. Papadopoulos, *On fuzzy θ -convergences*, **Fuzzy Sets and Systems**, 116 (2000), No. 3, 385-399.

[20]. D. N. Georgiou, B. K. Papadopoulos and K. Perakis, *Fuzzy strongly and fuzzy super continuous functions*, **Indian Journal of Mathematics**, Vol. 42, No. 2 (2000), 153-165.

[21]. D. N. Georgiou, S. D. Iliadis and B. K. Papadopoulos, *Topologies on function spaces and the coordinate continuity*, **Topology Proceedings**, Vol. 25 (2000), 505-517.

[22]. D. N. Georgiou and B. K. Papadopoulos, *Strongly θ -continuous functions and topologies on function spaces*, **Papers in honour of Bernhard Banaschewski (Cape Town, 1996) (Edited by Guillaume Brummer and Christopher Gilmour)** Kluwer Academic Publishers, (2000), 433-444.

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Journal of Enviromental Science and Health, Marcel Dekker, Inc.(part A), 36(2) (2001), 153-161.

[24]. D. N. Georgiou and B. K. Papadopoulos, *Weakly θ -continuous, weakly continuous, super continuous functions and topologies on function spaces*, **Scientiae Mathematicae Japonicae** 53, No. 2 (2001), 233-246.

[25]. D. N. Georgiou, *On fuzzy function spaces*, **The Journal of Fuzzy Mathematics**, 9 (2001), No. 1, 11-126.

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[27]. D. N. Georgiou and B. K. Papadopoulos, *On Almost continuous, δ -continuous and almost strongly θ -continuous functions*, **Mathematical Sciences Research Hot-line**, 5(7) (2001), 41-56.

[28]. D. N. Georgiou and B. K. Papadopoulos, *On nearly compact topological and fuzzy topological spaces*, **Topology and its Applications**, 123 (2002), No. 1, 73-85.

[29]. D. N. Georgiou, *On fuzzy continuous functions*, **Far East Journal of Mathematical Sciences**, 5(3) (2002), 225-237

[30]. D. N. Georgiou and I. E. Kougias, *Bounded solutions for fuzzy integral equations*, **International Journal of Mathematics and mathematical Sciences**, 31:2 (2002), 109-114.

[31]. M. Caldas, D. N. Georgiou and S. Jafari, *Characterizations of low separation axioms via α -open sets and α -closure operator*, **Boletim da Sociedade Paranaense de Matematica**, V. 20 1/2 (2002), 1-15.

[32]. D. N. Georgiou, *Topologies on Functions spaces*, **Rendiconti del Circolo Matematico di Palermo**, Serie II, Tomo LII (2003), 145-157.

[33]. D. N. Georgiou and A. Mistakidis, *Fuzzy sets in seismic inelastic analysis and design of reinforced concrete frames*, **Advances in Engineering Software (Elsevier)**, 34 (2003), 589-599.

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I.12 CITATIONS

There are more than 1000 Citations on my papers.

I.13 PARTICIPATION IN INTERNATIONAL CONFERENCES

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- [18]. **International Conference on Topology and its Applications** September 1-4, 2004 Skopje.
- [19]. **International Mediteranean Congress of Mathematics Almeria 2005**, June 6-10, 2005.
- [20]. **2005 Summer Conference on Topology and its Applications**, USA, July 10-13, 2005.
- [21]. **Computational Topology Workshop**, USA, July 14, 2005.
- [22]. **II Workshop on coverings, Selections and Games in Topology**, December 19-22, 2005.
- [23]. **2006 International Conference on Topology and its Applications**, June 23-26, Aegion, Greece.
- [24]. **XII Meeting on Real Analysis and Measure Theory CARTEMI**, July 3-7, 2006 Ischia, Italy.
- [25]. **The Oxford Conference on Topology and Computer Science in Honour of Peter Collins and Mike Reed**, August 7-10, 2006 Oxford, United Kingdom.
- [26]. **10th Prague Topological Symposium**, August 13-19, 2006 Prague, Czech Republic.
- [27]. **III Workshop on Coverings, Selections and Games in Topology**, April 25-29, 2007 Faculty of Sciences and Mathematics, Nis; Technical Faculty, Cacak, Serbia.
- [28]. **22nd Summer Conference on Topology and Its Applications**, July 24-27, 2007 Castellon, Spain.
- [29]. **Analysis, Topology and Applications 2008 (ATA2008)**, May 30 - June 4, 2008 Vrnjacka Banja, Serbia.
- [30]. **VII Iberoamerican Conference on Topology and its Applications**, June 25-28, 2008 Valencia, Spain.
- [31]. **International Conference on Topology and its Applications** July 6-11, 2009, Ankara, Turkey.
- [32]. **2009 Summer Conference on Topology and Its Applications** July 14-17, 2009, Brno, Czech Republic.

- [33]. **2010 International Conference on Topology and its Applications**, June 26-30, Nafpaktos, 2010, Greece.
- [34]. **VII Italian-Spanish Conference on General Topology and its Applications**, September 7-10, 2010, Badajoz, Spain.
- [35]. **Dubrovnik VII - Geometric Topology**, June 26 - July 3, 2011, Croatia.
- [36]. **1th Prague Topological Symposium 2011**, August 7-13, 2011 Prague, Czech Republic.
- [37]. **2012 International Conference of the Honam Mathematical Society**, June 15-17, 2012 Jeju city, South Korea.
- [38]. **IVth Workshop on Coverings, Selections, and Games in Topology**, June 25-30, 2012, Department of Mathematics, Seconda Universita' di Napoli Caserta, Italy.
- [39]. **Analysis, Topology and Applications 2014**, Vrnjacka Banja, Serbia, May 26-29, 2014.
- [40]. **2014 International Conference on Topology and its Applications**, July 3-7, Nafpaktos, Greece.
- [41]. **Dubrovnik VIII-Geometric Topology, Geometric Group Theory and Dynamical Systems**, June 22-26, 2015, Dubrovnik, Croatia.
- [42]. **Alexandroff Readings**, Moscow, May 22-26, 2016, Russia.
- [43]. **ATA 2016**, July 06-09, 2016, Cacak, Serbia.
- [44]. **Twelfth Symposium on General Topology and its Relations to Modern Analysis and Algebra**, July 25-29, 2016, Prague.
- [45]. **2018 International Conference on Topology and its Applications**, July 7-11, Nafpaktos, Greece.
- [46]. **34th Summer Conference on Topology and its Applications (SUMTOPO 2019)**, July 1-4, 2019, Johannesburg, Gauteng, South Africa.
- [47]. **MODERN PROBLEMS OF GEOMETRY AND TOPOLOGY AND THEIR APPLICATIONS**, November 21-23, National University of Uzbekistan, Tashkent, Uzbekistan, 2019.
- [48]. **Catania Set Theory and Topology Conference**, February 18–21, University of Catania, Italy, 2020.
- [49]. **2023 International Conference on Topology and its Applications**, 03-07 July 2023, Nafpaktos, Greece.
- [50]. **Analysis, Topology and Applications (ATA)**, Vrnjacka Banja, Serbia, 29.06.2024-03.07.2024.
- [51]. **38th Summer Conference on Topology and its Applications (SUMTOPO)**, 8-12 July, 2024.
- [52]. **XIV International Conference of the Georgian Mathematical Union**, Batumi, 2-7 September, 2024.
- [53]. **38th International Summer Conference on Real Function Theory**, Stará Lesná, Slovakia, 15-20 September, 2024.

I am reviewer of **Mathematical Reviews (MR)** (American Mathematical Society).

I am reviewer of **Zentralblatt MATH**.

I am referee of the following Journals:

- Fuzzy Sets And Systems.
- 6th International Conference on Protection and Restoration of the Environment, Skiathos 2002.
- Applied General Topology.
- The Journal of Aigyptian Mathematical Society.
- Turkish Journal of Mathematics.
- Publications de l’Institut Mathematique.
- Divulgaciones Matematicas.
- International Journal of Mathematics and the Mathematical Sciences.
- Arabian Journal for Science and Engineering (AJSE).
- Bulletin of the Malaysian Mathematical Sciences Society.
- Bulletin of the Greek Mathematical Society.
- IEEE Transactions on Fuzzy Systems.
- Nonlinear Analysis.
- Soochow Journal of Mathematics.
- Kochi Journal of Mathematics.
- Note di Matematica.
- Topology and its Applications.
- Demonstratio Mathematica.
- Sarajevo Journal of Mathematics (formerly ”Radovi Matematicki”).
- Mathematicki Vesnik.
- Acta Mathematica Universitatis Comenianae.
- Indian Journal of Pure and Applied Mathematics.
- Filomat.
- Applied Mathematics Letters.
- An. Univ. Oradea Fasc. Mat..
- Iranian Journal of Fuzzy Systems.
- The Southeast Asian Bulletin of Mathematics.
- Analele St. Univ.Ovidius Constantza.
- Dynamic Systems and Applications.
- Journal of Advanced Research in Pure Mathematics.
- Discrete and Continuous Dynamical Systems, Series B.
- Discussiones Mathematicae, General Algebra and Applications.
- Mathematical and Computer Modelling.
- Boletim da Sociedade Paranaense de Matema’tica.
- Journal of Advanced Studies in Topology (JAST).
- Questions and Answers in General Topology.
- Far East Journal of Mathematical Sciences (FJMS).

- Novi Sad Journal of Mathematics.
- J. Adv. Math. Stud.
- Information Sciences.
- Annals of Fuzzy Mathematics and Informatics.
- Computational and Applied Mathematics.
- Neural Computing and Applications journal.
- Monatshefte für Mathematik.
- Mathematics.

I.15 EDITOR

I am Editor of the following journals:

- A)** Journal of the Egyptian Mathematical Society.
- B)** Mathematical Sciences & Applications E-Notes (MSAEN).
- C)** Applied General Topology.
- D)** Far East Journal of Mathematical Sciences (FJMS).
- E)** Journal of Advanced Studies in Topology (JAST).
- F)** Facta Universitatis'ASeries Mathematics and Informatics, Nis, Serbia

I.16 BOOKS PUBLICATION

1. D. N. Georgiou and Ch. Zagouras, “General Mathematics I” (in Greek).
2. D. N. Georgiou , “Descriptive Geometry” (in Greek).
3. D. N. Georgiou and I. Kougias, “Mathematics for Economics” (in Greek).
4. D. N. Georgiou and S.D. Iliadis, “General Topology” (in Greek).
5. D. N. Georgiou and S.D. Iliadis, “Analytic Geometry” (in Greek).
6. D. N. Georgiou and S.D. Iliadis, “Set Theory” (in Greek).
7. D. N. Georgiou, S.D. Iliadis, and A. Megaritis, “Real Analysis” (in Greek).
8. D. N. Georgiou and Ch. Zagouras, “General Mathematics II” (in Greek).
9. D. N. Georgiou, I. Kougias, and A. Megaritis, “Linear Algebra” (in Greek).
10. D. N. Georgiou and Ch. Zagouras, “General Mathematics” (in Greek).
11. D. N. Georgiou, T. Karakasidis and A. Megaritis, “Differential and Integral Calculus of Functions of several Variables” (in Greek).