Βιογραφικό- Ιωάννης Σουλδάτος

Επικοινωνία	Επίκουρος Καθηγητής Τμήμα Μαθηματικών Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης Θεσσαλονίκη 54124	*Γραφείο:* +30-2310-99-7914 *E-mail:* souldatos@math.auth.gr

Σπουδές	**UCLA**, Los Angeles, CA USA

- Ph.D., Mathematics, 2008 06
  - Ph.D. Thesis Title: *Infinitary Logic, Characterizable Cardinals and Independent Sets of Sentences*
  - Advisor: *Greg Hjorth*[1]
  - Area: *Mathematical Logic, Set Theory, Model Theory*

- M.A., Pure Mathematics, 2004 12

Ε.Κ.Π.Α., Αθήνα

- Μεταπτυχιακό Πρόγραμμα στη Λογική, Θεωρία Αλγορίθμων και Υπολογισμού (ΜΠΛΑ)[2], 2002 06
  - Master Thesis: *Propositional Proof Complexity*
  - Επιβλέπων: *Γ. Κολέτσος*
  - Περιοχή: *Μαθηματική Λογική, Θεωρία Αποδείξεων*

  Μεταπτυχιακό πρόγραμμα με τη συμμετοχή των

- ΕΚΠΑ, Τμήμα Μαθηματικών
- ΕΚΠΑ, Τμήμα Πληροφορικής
- ΕΚΠΑ, Τμήμα Μεθοδολογίας, Ιστορίας και Θεωρίας της Επιστήμης
- ΕΜΠ, Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών Πανεπιστήμιο Πατρών, Τμήμα Μηχανικών Ηλεκτρονικών Υπολογιστών και Πληροφορικής

- Πτυχίο με κατεύθυνση στα Θεωρητικά Μαθηματικά, 2000 09

Ακαδημαϊκές Θέσεις	**Αριστοτέλειο Πανεπιστήμιο**, Τμήμα Μαθηματικών Θεσσαλονίκη

Επίκουρος Καθηγητής (επί θητεία)	**2020-**

University of Detroit Mercy, Department of Mathematics and Computer Science
Detroit, MI USA

Associate Professor (tenured)	**2016- 2020**

Σαββατική άδεια για το ακαδημαϊκό έτος 2017-2018.

Assistant Professor (tenure-track)	**2011- 2016**

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† Το παρών pdf αρχείο περιέχει υπερσυνδέσμους. Πατήστε εδώ για να πάτε στο arXiv.

[1]Ο κ. Hjorth συγχωρέθηκε το 2011.

[2]Το μεταπτυχιακό πρόγραμμα ΜΠΛΑ αντικαταστάθηκε από το μεταπτυχιακό πρόγραμμα ΑΛΜΑ.

Minnesota State University, Department of Mathematics and Statistics
Mankato, MN USA

Instructor	**2008- 2011**

UCLA, Department of Mathematics, Los Angeles, CA USA

Instructor, Calculus for Life Science students	**Εαρινό 2006**
Teaching Assistant/Associate/Fellow	**2003- 2007**

Ερευνητικά Ενδιαφέροντα **Μαθηματική Λογική**. Συγκεκριμένα η αλληλεπίδραση μεταξύ της Θεωρίας Μοντέλων, της Συνολοθεωρίας και των Αφηρημένων Στοιχειωδών Κλάσεων (Abstract Elementary Classes, AECs).

Δημοσιεύσεις

[1] Philipp Lücke and Ioannis Souldatos. Non-absoluteness of hjorth's cardinal characterization. *Fundamenta Mathematicae*, Published online: 26 May 2023. doi:10.4064/fm115-3-2023

[2] Will Boney and Ioannis Souldatos. A lower bound for the Hanf number for joint embedding. *Fund. Math.*, 258(2):115–135, 2022 doi:10.4064/fm612-12-2021

[3] D. Sinapova, I. Souldatos, Kurepa trees and spectra of $\mathcal{L}_{\omega_1,\omega}$-sentences, Arch. Math. Logic 59, 939–956 (2020). doi:10.1007/s00153-020-00729-4

[4] M. Demir, I. Souldatos, Exploring Students' Online Homework Completion Behaviors The International Journal for Technology in Mathematics Education, Vol. 27 no. 3 (2020), pg. 167- 181 http://blogs.exeter.ac.uk/ijtme/vol-27-no-3-2020/

[5] J. Baldwin, I. Souldatos, A Complete $\mathcal{L}_{\omega_1,\omega}$-Sentence with Maximal Models in Multiple Cardinalities, *Mathematical Logic Quarterly*, Volume 65, Issue 4, December 2019, pg. 444-452, doi:10.1002/malq.201800010

[6] David Milovich and Ioannis Souldatos. Non-absoluteness of model existence at $\aleph_\omega$. *Fundam. Math.*, 243(2):179–193, 2018. doi:10.4064/fm419-12-2017

[7] S. S. Goncharov, J. F. Knight and I. Souldatos, Hanf number for Scott sentences of computable structures, *Archive for Mathematical Logic*, 2018, doi:10.1007/s00153-018-0615-6

[8] John T. Baldwin, Martin Koerwien, and Ioannis Souldatos. The joint embedding property and maximal models. *Archive for Mathematical Logic*, 55(3):545–565, 2016, doi:10.1007/s00153-016-0480-0

[9] I. Souldatos, Notes on cardinals that are characterizable by a complete (Scott) sentence, Notre Dame Journal of Formal Logic, Volume 55, Issue 4, 533-551, 2014, doi:10.1215/00294527

[10] I. Souldatos, *Characterizing the powerset by a complete (Scott) sentence*, Fundamenta Mathematicae, 222:131–154, 2013, doi:10.4064/fm222-2-2

[11] I. Souldatos, Linear Orderings and Powers of Characterizable Cardinals, Annals of Pure and Applied Logic, Volume 163, Issue 3, March 2012, Pages 225-237, doi:10.1016/j.apal.2011.09.002

[12] G. Hjorth & I. Souldatos, Independently axiomatizable $L_{\omega_1,\omega}$ theories, J. Symbolic Logic 74 (2009), no. 4, pg. 1273-1286, doi:10.2178/jsl/1254748691

[13] (translation; unrefereed) I. Souldatos (for the translation), I. Reznikoff (for the original French), Every set of first-order formulas is equivalent to an independent set, http://arxiv.org/abs/1108.5171

[14] (Ph.D. Thesis) Ioannis Souldatos, *Infinitary Logic, Characterizable Cardinals and Independent Sets of Sentences*, https://www.proquest.com/docview/304649485

Ερευνητικές
Επισκέψεις

University of Illinois, Chicago

Φεβρουάριος 2018, Ιανουάριος 2017, Ιούνιος 2016, Δεκέμβριος 2013, Ιούνιος 2011, Αύγουστος 2008

University of Notre Dame

Φεβρουάριος 2018, Ιούνιος 2016, Οκτώβριος 2014

Centre De Recerca Matematica, Barcelona, Spain

Σεπτέμβριος 2016

University of Melbourne, Australia

Visiting Ph.D. student, 2006-2007.

Ερευνητικές
Διαλέξεις

- *The Hanf Number for the Joint Embedding Property*, European Logic Colloquium, Milan, Italy, Ιούνιος 2023

- *Characterizing Cardinals by $\mathcal{L}_{\omega_1,\omega}$-sentences in an Absolute Way*, European Logic Colloquium, Reykjavik, Island, Αύγουστος 2022

- *(Non)-Absolute Characterizations of Cardinals*, Online Logic Seminar, May 2022

- *The Local Hanf Number Below $2^{\aleph_1}$*, Joint Mathematics Meetings, Denver, CO, Ιανουάριος 2020

- *Non- absoluteness of model existence and amalgamation*, Annual North American Meeting of the Association of Symbolic Logic, New York, NY, 2019 05

- *The First Measurable is a Lower Bound for the Hanf Number for Joint Embedding*, Joint Mathematics Meetings, Baltimore, MD, Ιανουάριος 2019

- *The Hanf Number for Scott Sentences of Computable Structures*, Joint Mathematics Meetings, Baltimore, MD, Ιανουάριος 2019

- *What is Mathematical Research?*, Colloquium, College of Engineering & Science, University of Detroit Mercy, Οκτώβριος 2019

- *The Continuum Hypothesis and the Method of Forcing* (talk in Greek), Seminar of the Algebra, Number Theory and Logic Department, School of Mathematics, Aristotle University of Thessaloniki, Thessaloniki, Greece, Μάιος 17th, 2018

- *The Model-Existence and Amalgamation Spectra of $L_{\omega_1,\omega}$-Sentences*, Department of Mathematics, University of Notre Dame, Notre Dame, IN, Φεβρουάριος 6th 2018

- *Is the Amalgamation Property for $L_{\omega_1,\omega}$-Sentences Absolute for Transitive models of ZFC?*, Department of Mathematics, University of Illinois at Chicago, Chicago, IL, for Φεβρουάριος 1st 2018

- *Spectra of Infinitary Sentences* (talk in Greek), Seminar of the Algebra, Number Theory and Logic Department, School of Mathematics, Aristotle University of Thessaloniki, Thessaloniki, Greece, Οκτώβριος 19th 2017

- *$\mathcal{L}_{\omega_1,\omega}$-sentences with maximal models in two cardinalities.* (2 talks), Logic Seminar, University of Michigan, Ann Arbor, Φεβρουάριος 2017

- *A survey on the effect of set-theory on models of $\mathcal{L}_{\omega_1,\omega}$-sentences*, Logic Seminar, University of Michigan, Ann Arbor, Νοέμβριος 17th 2016

- (invited talk) *The effect of set-theoretic assumptions on spectra of $\mathcal{L}_{\omega_1,\omega}$-sentences*, Workshop on Set-theoretical aspects of the Model Theory of Strong Logics, Centre De Recerca Matematica, Barcelona, Spain, Σεπτέμβριος 29th 2016

- *The Hanf number for Scott sentences of computable structures*, Logic Seminar, University of Michigan, Ann Arbor, Απρίλιος 21st 2016

- *Do Students Learn From Their Mistakes?*, MAA Session on the Scholarship of Teaching and Learning in Collegiate Mathematics, Joint Mathematics Meetings, Seattle, WA, Ιανουάριος 2016

- *Absolute Indiscernibles and Vaught's Conjecture*, Logic Seminar, University of Michigan, Ann Arbor, Νοέμβριος 12th 2015

- (invited talk) *Absolute Indiscernibles, Characterizing Cardinals and Vaught's Conjecture*, 2nd Vaught Conjecture Conference, Berkeley, CA, Ιούνιος 2015

- *The Joint Embedding Property and Maximal Models*, AMS-ASL Special Session on Beyond First-Order Model Theory, Joint Mathematics Meetings, San Antonio, TX, Ιανουάριος 2015

- *When Students Do Their Homework?*, MAA General Contributed Paper Session on Mathematics Education, Joint Mathematics Meetings, San Antonio, TX, Ιανουάριος 2015

- *Spectra of Scott sentences*, Logic Seminar, University of Notre Dame, Οκτώβριος 14th 2014

- *Abstract Elementary Classes with both maximal and arbitrarily large models*, Logic Seminar, University of Michigan, Ann Arbor, Οκτώβριος 9th 2014

- *A Countably Infinite Graph That Resembles The Powerset*, 55th Midwest Graph Theory Conference (MIGHTY LV), Detroit, MI, Μάρτιος 29th 2014

- Mustafa Demir & Ioannis Souldatos, *Effects of an Online Homework System on Students' Solutions to Cognitively Demanding Mathematics Problems*, Michigan Academy of Science, Arts & Letters 2014 Conference, Oakland University, Rochester, Michigan, Φεβρουάριος 28th, 2014

- *Characterizing successor cardinals by $L_{\omega_1,\omega}$ sentences*, University of Illinois, Chicago, Δεκέμβριος 10th 2013

- *Spectra of $L_{\omega_1,\omega}$ sentences*, Logic Seminar, University of Michigan, Ann Arbor, Οκτώβριος 10th 2013

- *Open Problems*, Very Informal Gathering of Logicians, UCLA, Φεβρουάριος 2013

- *On automorphisms groups of uncountable structures of countable cofinality*, AMS/MAA/ASL Joint Meeting in San Diego, CA, Ιανουάριος 2013

- *Independently axiomatizable $L_{\omega_1,\omega}$ theories*, ASL 2012 Annual Meeting, Απρίλιος 2012

- *Linear Orderings and Powers of Characterizable Cardinals*, UIC, Ιούνιος 2011

- *Characterizing Infinite Cardinals by Countable Linear Orderings*, ASL, Joint Meetings in New Orleans, Ιανουάριος 2011

- *Infinitary Logic & Characterizable Cardinals*, University of Athens, Greece, Ιούνιος 2010 (invited talk)

- *Some Random Graph Constructions*, MAA, 2010 Fall meeting in Sioux Falls, SD.

- *Characterizing Cardinals by Scott Sentences*, UIC, Αύγουστος 2008

- *Cardinals Characterizable by Scott Sentences*, ASL, 2008 Annual Meeting, Irvine, CA

- *Characterizability of the Powerset* (2 lectures), UCLA, Logic Seminar, Fall 2007

- *Characterizability of Cardinals* (2 lectures), University of Melbourne, Australia, Summer 2007

- *Independent families of sets* (2 lectures), University of Melbourne, Australia, Spring 2007

- *A Theorem of Su Gao*, University of Melbourne, Australia, Spring 2007

- *Characterizing Beths in Infinitary Logic*, UCLA, Set Theory Seminar, Spring 2006

- *Minimal Types in Model Theory*, UCLA, Logic Seminar, Spring 2006

- *Categoricity in Lambda and Lambda Plus*, UCLA, Logic Seminar, Fall 2005

- *A proof of a Ramsey-type Theorem through Dynamical Systems*, UCLA, Logic Seminar, Fall 2004

Αξιολογητής	Referee- *Notre Dame Journal of Formal Logic*.	**επί μονίμου βάσεως**
	Referee- *Journal of Symbolic Logic*.	**επί μονίμου βάσεως**
	Referee- *Order*.	**επί μονίμου βάσεως**
	Referee- Panhellenic Logic Symposium	**2021**
	Referee- *NSF Graduate Research Fellowship Program (GRFP)* review panel **2015**	

Referee- *NSF- Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics (TUES)* review panel **2012**

Κριτικός αναγνώστης για ένα κεφάλαιο του βιβλίου του Abhijit Dasgupta, Set Theory.
Link: http://link.springer.com/book/10.1007/978-1-4614-8854-5

Διδακτορικοί Φοιτητές	**Μαρία Πίττου**, ΑΠΘ, Θεσσαλονίκη Διδάκτωρας Επιτυχής παρουσίαση της Διδακτορικής Διατριβής, 2023 05 Τίτλος: Quantitative modelling of parametric component-based systems Μέλος της επταμελής εξεταστικής επιτροπής
	Γιώργος Μαραγγέλης, ΑΠΘ, Θεσσαλονίκη Υποψήφιος Διδάκτωρας, 2021- Τίτλος: Η Επίδραση των Συνολοθεωρητικών Υποθέσεων στις Ιδιότητες των Αφηρημένων Στοιχειωδών Κλάσεων Επιβλέπων καθηγητής
Μεταπτυχιακοί Φοιτητές	**Κορντέλια-Άλκηστις Τασοπούλου**, ΑΠΘ, Θεσσαλονίκη Μεταπτυχιακή Εργασία, 2022- Τίτλος: Descriptive Set Theory: The uniformization property for the pointclasses $\Pi^1_1, \Sigma^1_2, \mathbf{\Pi}^1_1, \mathbf{\Sigma}^1_2$. Επιβλέπων Καθηγητής
	Φίλιππος Αποστόλου, ΑΛΜΑ, ΕΚΠΑ, Αθήνα Μεταπτυχιακή Εργασία, 2023- Τίτλος: Το Θεώρημα του Morley Επιβλέπων Καθηγητής
	Ελπίδα Τσουρουνάκη, ΑΠΘ, Θεσσαλονίκη Μεταπτυχιακή Εργασία, 2023- Τίτλος: Ο Τυχαίος Γράφος Μέλος της Τριμελής Επιτροπής
	Μανώλης Νταουντάκης, ΑΠΘ, Θεσσαλονίκη Μεταπτυχιακή Εργασία Επιτυχής παρουσίαση το 2022 Τίτλος: Μηχανές Turing και Αποφασισιμότητα Επιβλέπων Καθηγητής
	Jacob Duncan, Minnesota State University, Mankato • Alternate Plan Paper submitted in November 2010 Title: Ordinals and Cardinals: An overview of Properties and Arithmetic. • Presentation: *Ordinals and Cardinals: An overview of Properties and Arithmetic.*
Προπτυχιακοί Φοιτητές	**Ευγενία Αργυριάδη**, ΑΠΘ, Θεσσαλονίκη Ειδικό Θέμα, Επιτυχής παρουσίαση 2023 02 Τίτλος: Τα Θεωρήματα Μη Πληρότητας του Godel
	Παντελέων Ιάσων Ιωάννης Ιωαννίδης , ΑΠΘ, Θεσσαλονίκη Ειδικό Θέμα, Επιτυχής παρουσίαση 2022 02 Τίτλος: The Curry-Howard Correspondence
	Jacob VanAssche, University of Detroit Mercy, 2013 03- 2013 12.

- Project: *QuestionsDB*,
  Goal: Create a database (MySql), plus the front-end (PHP), for the storage and statistical analysis of student answers to exam questions. The code of the project is currently in "version A" and is available as open-source at: https://github.com/JacobVanAssche/QuestionsDB

- Presentation: *Using a Database with FrontManaging Classes, Assignments, and Students with Database and Front-End Capabilities*,
  Student Presentation for the 1st Research and Scholarly Achievement Week, 2014 04
  University of Detroit Mercy

- Poster: *Managing Classes, Assignments, and Students with Database and Front-End Capabilities*, University of Detroit Mercy,
  Poster for the 1st Annual Engineering & Science Student Research Symposium, November 2013

Xu Zhang, University of Detroit Mercy,
  Poster: *Integration by Parts for Improper Integrals*,
  Poster for the 1st Annual Engineering & Science Student Research Symposium, 2013 11

Χορηγίες	• *Faculty Grant Incentive Program*, College of Engineering and Science, University of Detroit Mercy, Amount: $4063, Duration: January 2012- January 2013, Purpose: Conduct research on the automorphism groups of structures with uncountable cardinality

• *Faculty Research Grant*, University of Detroit Professor Union, Amount: $2885, Duration: August 2012- August 2013,
Purpose: (a) Use Item Response Theory to analyze and improve classroom assessment tools (homework, quizzes and exams) (b) Create software tools that will automate the statistical analysis and use it on an on-going basis.

Υποτροφίες	*Fellowship*, UCLA Graduate Division	**Fall 2002- Spring 2008**

  Υποτροφία για τη διάρκεια των Διδακτορικών σπουδών

  Υποτροφία, ΙΚΥ, **2000-2002**

  Πρώτη θέση και για τα δύο χρόνια των Μεταπτυχιακών σπουδών με βάση τον Γενικό Μέσο Όρο

  Υποτροφία, ΙΚΥ, **1996-1998**

  Έκτη θέση για τον δεύτερο χρόνο των Προπτυχιακών σπουδών και έβδομη θέση για τον τρίτο χρόνο με βάση τον Γενικό Μέσο Όρο

Διδακτική Εμπειρία	**Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης**, Τμήμα Μαθηματικών Θεσσαλονίκη

- Εαρινό 2024 (προγραμματισμένο): Θέματα Μαθηματικής Λογικής (μεταπτυχιακό), Θεωρία Συνόλων

- Χειμερινό 2023 (προγραμματισμένο): Στοιχεία Γραμμικής Άλγεβρας, Μαθηματική Λογική

- Εαρινό 2023: Θέματα Μαθηματικής Λογικής (μεταπτυχιακό), Αλγεβρικές Δομές ΙΙ

- Χειμερινό 2022: Στοιχεία Γραμμικής Άλγεβρας, Μαθηματική Λογική

- Εαρινό 2022: Θέματα Μαθηματικής Λογικής (μεταπτυχιακό), Θεωρία Συνόλων

- Χειμερινό 2021: Εισαγωγή στην Άλγεβρα και Θεωρία Αριθμών, Μαθηματική Λογική

- Εαρινό 2021: Θέματα Μαθηματικής Λογικής (μεταπτυχιακό), Θεωρία Συνόλων

- Χειμερινό 2020: Εισαγωγή στην Άλγεβρα και Θεωρία Αριθμών, Μαθηματική Λογική

University of Detroit Mercy, Department of Mathematics and Computer Science
Detroit, MI USA

- Winter 2020: Precalculus, Calculus III, Probability and Statistics

- Fall 2019: Algebra, Precalculus, Calculus III

- Summer 2019: Precalculus- Online

- Winter 2019: Business Precalculus, Precalculus, Differential Equations, Real Analysis

- Fall 2018: Business Calculus, Precalculus- In Class, Precalculus- Online, Calculus II

- Fall 2017 and Winter 2018: On Sabbatical

- Winter 2017: Business Calculus, Calculus III, Real Analysis

- Fall 2016: Differential Equations with Linear Algebra, Precalculus (2 sections)

- Winter 2016: Business Precalculus, Business Calculus, Abstract Algebra, and recitation leader for two sections of Differential Equations with Linear Algebra, and for one section of Calculus III

- Fall 2015: Business Precalculus, Calculus II, Abstract Algebra

- Winter 2015: Business Calculus, Calculus III, Differential Equations with Linear Algebra

- Fall 2014: Business Precalculus, Algebra, Abstract Algebra

- Winter 2014: Business Calculus, Calculus III, Differential Equations with Linear Algebra

- Fall 2013: Business Precalculus, Calculus II, Probability and Statistics

- Winter 2013: Precalculus, Business Calculus, Real Analysis I

- Fall 2012: Business Precalculus (2 sections), Probability and Statistics

- Winter 2012: Algebra, Calculus I, Probability and Statistics

- Fall 2011: Precalculus, Probability and Statistics

Minnesota State University, Department of Mathematics and Statistics
Mankato, MN USA

- Spring 2011: Calculus II (2 sections), Topics in Mathematics- Descriptive Set Theory (Graduate course)

- Fall 2010: Precalculus, Calculus I, Mathematics for Computer Science

- Spring 2010: Calculus II (2 sections), Mathematics for Computer Science

- Fall 2009: Precalculus, Calculus I (2 sections)

- Spring 2009: Precalculus, Calculus I (2 sections), Foundations of Mathematics

- Fall 2008: Precalculus, Calculus I (2 sections)

UCLA, Department of Mathematics, Los Angeles, CA USA

Instructor
- Spring 2006: Calculus for Life Science students

Teaching Assistant/Associate/Fellow
- Fall 2007: Linear Algebra A
- Winter 2006: Calculus III
- Fall 2005: Linear Algebra A
- Summer 2005: Combinatorics
- Spring 2005: Calculus II, Complex Analysis
- Winter 2005: Topology, Analysis B- Honors
- Fall 2004: Calculus II, Analysis A
- Spring 2004: Calculus III, Linear Algebra B
- Winter 2004: Infinite Series & Differential Equations, Linear Algebra A- Honors
- Fall 2003: Calculus II, Calculus III
- Spring 2003: Combinatorics, Complex Analysis
- Winter 2003: Calculus I, Infinite Series & Differential Equations

Beijing University of Chemical Technology (BUCT),
Beijing, China

One-month long intense course in Statisics	**2020 12**

Yanjing Institute of Technology,
Hebei Province, China

One-month long intense course in Statisics	**2020 12**

Βελτίωση Διδασκαλίας

Certificate for Teaching Online/Hybrid Courses,
Series on "Innovations in Teaching Online and Hybrid Courses",
University of Detroit Mercy   **2014**
- Topics of the series include:
    - Preparing for the online/hybrid course.
    - Delivering the online/hybridcourse.
    - Assessment of an online/hybrid course.

Faculty Teaching Certificate Program,
Center for Excellence in Teaching and Learning,
Minnesota State University, Mankato   **2008- 2009**

- This program helps faculty develop their teaching skills. Topics include:
    - Active Learning Strategies for the Classroom
    - Classroom Assessment Techniques
    - Course Design and Redesign
    - Teaching with Technology
    - Developing and Using Rubrics
    - Diversity in the Classroom
    - Critical Thinking and General Education
  Capstone Project Title: Strategies for Reducing Student Withdrawals

Επιτροπές   Αριστοτέλειο Πανεπιστήμιο

- Πρόεδρος Τομέα Άλγεβρας, Θεωρίας Αριθμών και Μαθηματικής Λογικής **2022-**
- Επιτροπή Κατατακτήριων Εξετάσεων   **2020-2023**
- Επιτροπή Επιλογής Συμβασιούχων ΕΔΒΜ   **2020-2022**
- Επιτροπή Επιλογής για Ενισχυτική Διδασκαλία   **2022**
- Εφορευτική Επιτροπή Εκλογής Προέδρου & Αντιπροέδρου Τμήματος Μαθηματικών   **2022**
- Επιτροπή Επιλογής Μεταπτυχιακών Φοιτητών   **2021**
- Σύμβουλος Σπουδών   **2021**

University of Detroit Mercy

- *Assessment Team*,   **2012-2015,2018-2020**
  University-wide committee which focuses on assessment of teaching and learning and coordinates faculty development activities related to assessment.
- *Safety Committee*,   **2018-2019**
  College-wide committee which addresses safety issues.
- *Math Curriculum Committee*,   **2012-2017, 2018-2020**
  Departmental committee responsible for the development of the curriculum for the following programs: B.Sc. in Mathematics, Minor in Mathematics, Minor in Applied Mathematics, and Minor in Actuarial Science. The committee is also responsible for the math courses included in the university-wide core curriculum.
- *Curriculum and Standards Committee*, College of Engineering and Science, **2017**
  College-wide committee responsible for curriculum matters and for the approval of new courses and programs.
- *Math Qualifying Exam Organizing Committee*, Department of Mathematics, **2016- 2017**
  Departmental committee responsible for the offering of the Math Qualifying Exam to doctoral students in Engineering.
- *Information Technology Team (co-chair in 2014-15, chair in 2015-16, vice-chair in 2016-17)*,   **2014-2017**
  University-wide committee that deals with Information Technology planning and needs.
- *Organizing Committee for Engineering and Science Research Symposium*, **2015, 2016**
  The UDM College of Engineering & Science hosts its annual symposium to highlight the research by undergraduate and graduate students.

- *Teaching Review Committee*, **2012-2014**
  One-person departmental committee responsible for teaching reviews of junior and adjunct faculty by senior faculty.
- *Computing and Technology Committee (Secretary)* **2012-2013**
  College-wide committee which addresses computing and technology issues, and assesses faculty and student computer and hardware usage. During the 2012-2013 academic year, the committee created a prioritization algorithm for college-level computer hardware upgrades.
- *Program Review Committee*, **2012-2013**
  Departmental committee responsible for the evaluation of the B.A. and B.Sc. offered by the department of Mathematics. The evaluation is part of a 5-year internal review cycle.

Minnesota State University, Mankato

- *Personnel Committee* **2010-2011**
  Departmental committee responsible for new faculty hires, promotions, tenure appointments, as well as departmental elections.
- *Applied Math Search Committee* **2009-2010**
  The committee completed a national search for the hire of a tenure-track faculty in the area of Applied Mathematics.
- *Faculty Advancement Committee* **2008-2010**
  Departmental committee responsible for organizing the annual Steve Linney Colloquium Series, organizing the departmental colloquium , inviting speakers, and planning activities that enhance faculty life in the Mathematics Department.
- *Departmental Library Liaison* **2009-2010**
  The library liaison is responsible for all the new books that the library will order on behalf of the department of Mathematics.

Ομιλίες Γενικού Ενδιαφέροντος	
	- *Το Θεώρημα του Gödel για μη Μαθηματικούς*, Σεμινάριο Φιλοσοφίας, Φιλοσοφική Σχολή, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, 2018 05
	- *Περί Μαθηματικής Λογικής*, διαδικτυακή ομιλία, Τμήμα Μαθηματικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, 2015 01
	- *How many infinities are there?*, UDM, March 2012
	- *The online homework system WebWork*, UDM, 2011 10
	- *Using WebWork*, MNSU, 2011 01
	- *What is Mathematical Logic?* MNSU, 2008 11

Συμμετοχή σε Συνέδρεια

- 2023 European Logic Colloquium, Milan, Italy, 2023 06
- 9th Greek Algebra and Number Theory Conference, Thessaloniki, 2023 05
- 9th International Conference on Algebraic Informatics, CAI 2022, Online, 2022 10
- 2022 European Logic Colloquium, (hybrid) online and in Reykjavic, Iceland, 2022 06
- 2021 European Logic Colloquium, (hybrid) online and in Poznan, Poland , 2021 07

- North American Annual Meeting of the Association of Symbolic Logic, Virtual, 2021 06

- 2021 Joint Mathematics Meetings, Virtual, 2021 01

- 2020 Joint Mathematics Meetings, Denver, CO, 2020 01

- North American Annual Meeting of the Association of Symbolic Logic, New York, NY, 2019 05

- *What do precision medicine, market segmentation, and imaging the black hole have in common? A Humanist Perspective of Data Science*, Speaker: Mousumi Banerjee, University of Detroit Mercy, June 6th 2019

- Annual Meeting of the Michigan MAA, University of Detroit Mercy, April $5^{th} - 6^{th}$, 2019

- MIGHTY Conference 61 (Midwest Graph Theory), University of Detroit Mercy, March 29th, 2019

- AMS/MAA/ASL Joint Mathematics Meeting in Baltimore, MD, January 2019

- *How to apply for and administer a NSF RUI grant*, Speaker: Brent Krueger, University of Detroit Mercy, December 6th 2018

- Pure and Applied Model Theory, A Conference for Dave Marker's 60th birthday, University of Illinois, Chicago, October 2018

- First congress of Greek Mathematicians, Athens, Greece, June 2018

- Model theory and applications, Institute Henri Poincare, Paris, France, March $26^{th} - 30^{th}$, 2018

- Teach Students How to Learn, Office for Teaching and Learning, Wayne State University, Detroit, MI, Marh 28th 2017

- Workshop on Set-theoretical aspects of the Model Theory of Strong Logics, Centre De Recerca Matematica, Barcelona, Spain, September 2016

- Thematic Program on Model Theory, University of Notre Dame, Indiana, June 2016

- AMS/MAA/ASL Joint Mathematics Meeting in Seattle, WA, January 2016

- 2nd Vaught's Conjecture Workshop, UC-Berkeley, Berkeley, CA, June 2015

- North American Annual Meeting of the Association of Symbolic Logic, Urbana-Champaign, IL, March 2015

- AMS/MAA/ASL Joint Mathematics Meeting in San Antonio, TX, January 2015

- Appalachian Set Theory Workshop, UIC, speaker: Slawomir Solecki, November 2014

- Midwest PhilMath Workshop, University of Notre Dame, October $18 - 19$, 2014

- 55th Midwest Graph Theory Conference (55th Midwest Graph Theory Conference (MIGHTY LV), University of Detroit Mercy, Detroit, MI, March 29th 2014

- Michigan Academy of Science, Arts & Letters 2014 Conference, Oakland University, Rochester, Michigan, February 28th, 2014

- AMS/MAA/ASL Joint Meeting in Baltimore, MD, January 2014

- North American Annual Meeting of the Association of Symbolic Logic, Waterloo, Canada, May 2013

- Very Informal Gathering of Logicians, UCLA, February 2013

- AMS/MAA/ASL Joint Meeting in San Diego, CA, January 2013

- How well are you organized to deliver the learning that you value, Workshop given by Marilee Brescianni, UDM, August 2012

- North American Annual Meeting of the Association of Symbolic Logic, Madison, WI, March 2012

- Webinar: "Innovate Your Teaching with Open Access and Open Educational Materials!", Presenters: Samantha Hines & Kate Zoellner, March 8th, 2012.

- Webinar: "Implicit Bias: The Power of Automatic, Unintended Mindsets", Presenter:Fred Smyth, February 23rd, 2012.

- Webinar: "When Student Dreams Turn Into Nightmares", Presenter: Dave Wood, February 22nd, 2012

- Webinar: "Is the US Producing Enough STEM-Capable Students?", Presenter: Nicole Smith, February 21st 2012

- AMS/MAA/ASL Joint Meeting in Boston, MA, January 2012

- Write Winning Grants, Wayne State University, Detroit, MI, November 2011

- Appalachian Set Theory Workshop, UIC, speaker: Boban Velickovic, October 2011

- Assessing and Building Critical Thinking at the Classroom Level, Workshop given by P.Facione, UDM, August 2011

- Very Informal Gathering of Logicians to honor Y.N. Moschovakis, UCLA, February 2011

- AMS/MAA/ASL Joint Meeting in New Orleans, LA, January 2011

- 2010 Fall MAA meeting in Sioux Falls, SD, October 2010

- Metro Area Conference in Undergraduate Research, Anoka-Ramsey Community College, October 2010

- Workshop on Inquiry- Based Learning, University of Texas, Austin, May 23-28, 2010

- Just-in-Time Teaching Workshop offered by the Center for Excellence in Teaching and Learning, Minnesota State University, April 2010

- iTeach Conference, Minneapolis Community & Technical College, February 2010

- AMS/MAA/ASL Joint Meeting in San Francisco, CA, January 2010

- Critical Thinking Workshop offered by the Center for Excellence in Teaching and Learning, Minnesota State University, December 2009

- Strategies to Assess and Improve Student Critical Thinking Workshop, Southwest Minnesota State University, November 2009

- AMS/MAA/ASL Joint Meeting in Washington, D.C., January 2009

- Midwest Model Theory Conference, Notre Dame, IN, November 2008

- Annual Meeting of the Association of Symbolic Logic, Irvine, CA, March 2008

- ForemanFest, Logic Colloquium in honor of Matthew Foreman, UCLA, October 2007

- Annual meeting of the Association of Symbolic Logic in Toronto, Canada, May 2006

- Conference in honor of M. Magidor at the University of California, Irvine, February 2006

- Annual meeting of the Association of Symbolic Logic, Stanford, CA, May 2005

- Inauguration of the Logic Center at UCLA, Fall 2004

- 4th Panhellenic Logic Symposium in Thessaloniki, Greece, July 2003

- Very Informal Gathering of Logicians to honor Y.N. Moschovakis at UCLA, January 2003

- 3rd Panhellenic Logic Symposium in Crete, Greece, July 2003

- Mathematics in High School and Junior High School Conference, Athens, Greece 2001

- 1st Panhellenic Conference for Amateur Astronomy and Space Exploration, 1999

Εθελοντική Προσφορά

Μετάφραση στα Ελληνικά περίπου 2500 προβλημάτων από την βάση προβλημάτων του Webwork **2021**

    Οργάνωση και επίβλεψη περίπου 40 εθελοντών.

Annual Meeting of the Michigan MAA, University of Detroit Mercy **2019 04**

    Member of the Organizing Committee.

MIGHTY Conference 61 (Midwest Graph Theory), University of Detroit Mercy **2019 03**

    Member of the Organizing Committee.

Undergraduate and Graduate Student Research Symposium **2014, 2016, 2018, 2019**

    Poster judge.

Tech Day, University of Detroit Mercy **2016, 2011**

    Overseer of Tech Day volunteers.

University of Detroit Mercy Campus Kitchen Fundraiser **2014**
    Volunteer.

Minor Fair, University of Detroit Mercy **2013, 2014**
    Math Department Representative.

Methods of Educational Research, University of Detroit Mercy **2011**
    Delivered two sessions of the course EDU 5000- "Methods of Educational Research" related to Quantitative Research and Statistics.

Ethics Bowl , University of Detroit Mercy **2011**
    Judge.

100 years of Engineering , University of Detroit Mercy **2011**
    Math Department Representative.

Graduate Research Conference , Minnesota State University, Mankato **2009- 2010**
    Poster judge and Moderator for the Mathematics Block. Conference.

Regional Science Fair , Minnesota State University, Mankato **2009- 2010**
    Judge.

Computer	
	• Computer Algebra Systems: *Sage, Mathematica, Maple*
	• Statistical Programs: *R*
	• Online Homework Systems: *Webwork* (administrator, user), *MyMathLab* (user)
	• Databases: *MySQL, Microsoft Access*
	• Programming Languages (basic proficiency): *Python, Perl, PHP*
	• Operating Systems: *Ubuntu, Windows, Mac*

Ξένες Γλώσσες
- Αγγλικά (near native proficiency)
- Γαλλικά (Μετάφραση Μαθηματικών Κειμένων)

Σπορ & Καλλιτεχνικά
- Συμμετοχή σε πάνω από 5 Ημιμαραθωνίους και σε 1 Μαραθώνιο
- Μέλος της Χριστουγεννιάτικης Χορωδίας, Announciation Greek Orthodox Cathedral, Detroit, Michigan, 2016
- Μέλος της Χριστουγεννιάτικης Χορωδίας, Greek Orthodox Diocese, Victoria, Australia, Christmas 2006

Links
- arXiv: http://arxiv.org/a/souldatos_i_1
- MathOverflow: http://mathoverflow.net/users/13694/ioannis-souldatos
- Greek Wiktionary: Contributor Ioannis Souldatos
- Personal Webpages:
  https://souldatosresearch.wordpress.com/
  https://souldatosteaching.wordpress.com/

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