CURRICULUM VITÆ

Name	MYNARD Frédéric, Didier
Nationality	French
Immigration Status	US Permanent resident
Languages	French (native), English (fluent), Spanish (fluent)
Mailing address	Department of Mathematics, New Jersey City University, Kartnoutsos
	Room 506, 2039 John F. Kennedy Boulevard, Jersey City, New Jersey 07305
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web pages	https://sites.google.com/site/fredmynardswebpage/

EDUCATION

1996-1999 Ph. D. (Mathematics) *Coreflectively modified continuous duality as a method of characterization of topological properties of product spaces*, (supervisor Professor S. Dolecki, Burgundy University, France) obtained with the felicitations of the jury, June 1999.

1998 CAPES of mathematics.
(French competitive certification examination for high school teachers)

1993-1996 Bachelor and Masters of pure mathematics, Burgundy University (Dijon, France).

1991-1993 Mathématiques Supérieures and Mathématiques Spéciales at Carnot Lycée, Dijon, France.

TEACHING POSITIONS

Summer 21- Tenured Full Professor, Math Department Chair, New Jersey City University

Fall 20-
Summer 21 Tenured Full Professor, Math Department co-Chair, New Jersey City University

Fall 17-
Spring 20 Full Professor (tenure-track), New Jersey City University

2014-2017 Associate Professor (tenure-track), New Jersey City University

2014 Promoted to Full Professor (tenured), Georgia Southern University

2009-2014 Associate Professor (tenured) at Georgia Southern University
(pre-Calculus, Calculus I-II, Real Analysis, Math Structures, Discrete Math, Differential Equations, Intro to Topology, Calculus I and II online (taught and

2004-2009 Assistant Professor at Georgia Southern University (tenure-track)
(College Algebra, Trigonometry, Survey of Calculus, Calculus I-III, Linear Algebra, Discrete Mathematics, Mathematical Structures, Introduction to Topology, Undergraduate Senior Seminar, Graduate Seminar)

2001-2004   Visiting Assistant Professor at the University of Mississippi
(Calculus I both in class and online; Calculus II and III; Calculus for Business I and II both in class and online; Differential Equations).

2001   Lecturer at the University of Auckland, New Zealand, for one semester (Calculus for Business and Technology).

1999-2000   Teacher of mathematics and physics for candidates for the promotion to the grade of officer during a one-year compulsory military service as a scientific fellow (assimilated to the officer corps).

1998-1999   Teacher of mathematics in Ronsard College (intermediate high school)

DIRECTION OF STUDENTS

- **Undergraduate research project:**
  - **At NJCU**
    - o   Sally Mangassa, *Order and Spacetime*, Summer 22
    - o   Rachael Mozzarella, *Domain Theory and Topology*, Summer 22
    - o   Daniel Esteva, *Quaternions and their geometric interpretation*, Summer 21
    - o   Jason Gonzaga, *Spaces of ultrafilters and convergence spaces*, Summer 20
    - o   Abdelrahman Bereka, *Real Induction*, Summer 19
    - o   Leonardo Moncada, *Counting collisions, tracking beams of light, and Pi*, Summer 19
    - o   Ammer Abdin, *convergence, filters and ultrafilter*s, Summer 19 and Summer 20
    - o   Angel Madera, *fractals and fractal dimension*, Summer 18
    - o   Crystal Simon, *a geometric approach to the Basel problem*, Summer 18
    - o   Fadoua Chigr, *elements of convergence theory*, Summer 17 (presented at NJCU Research Symposium, April 18; at the STEM C2 Research Summit at Bergen Community College on April 13, 2018; at NYC Math Alliance Regional Conference, Dean University, September 15, 2018)
    - o   Fares Boutrous, *decomposition of continuity,* Summer 17 (presented at NJCU Research Symposium, Spring 18)
  - **At Georgia Southern**
    - o   Daniel Diaz Casanueva, *quotient of metric spaces*, Fall 12-Spring 13
    - o   William Trott, *Ultrafilter techniques in Ramsey Theory*
(Fall 2011 and Spring 2012: presented at Eagle Undergraduate Mathematics Conference and Kennesaw Mountain Undergraduate Mathematics Conference in Spring 2012)
    - o   Anh Tran, *Structure of spaces of ultrafilters and combinatorial applications* (Fall 2009 and Spring 2010: presented at Eagle Undergraduate Mathematics Conference in Spring 2010)
    - o   Jessee Nesmith, *filters and compactifications,* Spring and Fall 2008
- **Master Thesis directed:**
  - **At NJCU**

- o   Fadoua Chigr, *Convergence spaces theory and applications in Topology*, Fall 18-Fall 19
- o   Naima Ouabourrane, *On the concepts of limit and of infinitesimal,* Fall17-Spring 18
- o   Abdurhaman Pllana, *elements of fixed point theory*, Fall 16-Spring 17
- o   Sofiane Boudib, *on the development of the concept of group,* Fall 15-Spring 16
- o   Jose Pedraza: *filters, grills and Ramsey Theory,* Spring 15-Spring 16
- o   Zineb Hassoune, *concepts of integral*, Fall 15-Fall 16
- o   Ray Macchiarola: *decomposition of continuity,* Fall 14-Spring 15
  - • **At Georgia Southern**
    - o   William Trott, *Elements of convergence approach space theory*, May 2014
    - o   Nathan Farmer, *Compact filters and the Arzelà-Ascoli Theorem,* May 2012
- •   **Other:** gave preparation sessions for the annual Putnam Competition at Georgia Southern every year (04-14)
- •   **PhD jury:**
  - o   Karen Van Opdenbosch, *A study of topological properties in approach theory using monodical topology*, Free University of Brussels and University of Antwerp, Belgium, February 2019
  - o   Emilio Angulo-Perkins, *Algunas adjunciones a GConv*, Benemétrica Universidad Autónoma de Puebla, Mexico, April 2021
  - o   Jesús González Sandoval, *Levantamiento de estructuras, operadores límite y subcategorías coreflexivas en categorías topológicas*, Benemétrica Universidad Autónoma de Puebla, Mexico, August 2021

FUNDED GRANTS

- • NJCU SBR release time "*On generalizations of pretopologies involving countability conditions*" (Fall 19)
- • NJCU SBR release time "*completeness numbers and paving numbers of the dual*" (Fall 18)
- • NJCU SBR release time "*convergence theoretic approach to generalized metrizabilty*"
$4050 (Fall 17)
- • NSF grant (DMS-1724830) "*51st Spring Topology and Dynamical Systems Conference*" (**PI**)
$40,350
- • **(co-PI) Noyce Scholarship Project (Track I, Phase I):**   **$1,449,485**
- • NJCU SBR release time "*Elements of pointfree convergence*" $4050 (Fall 16)
- • NJCU SBR release time "*Measure of compactness, Ascoli-type theorems, and exponential objects in CAP*" $3900 (Fall 15)
- • NJCU mini grant $535
- • Georgia Southern Faculty Development Grant
  "*Summer Conference on Topology and its Applications 2014*"(PI)
$1122 (Summer 2014)
- • Georgia Southern Service Grant
  "*AMS-MAA Joint Meeting, Baltimore, MD, Categorical Topology Special Session*"(PI)
$1811 (Spring 14)

- NSF grant (DMS-1132350) " *31st Southeastern Atlantic Regional Conference on Differential Equations*" (co-Pi)   **$19,600** (Spring 2011)
- GSU Faculty Development Travel Grant (Spring 2010). $1536 (Spring 2010)
- NSF grant (DMS-0948727) "*Spring Topology and Dynamical Systems Conference 2010*" (co-PI)
                                    $49,453 (Fall 09)
- Georgia Southern Service Grant "*2010 Spring Conference on Topology and Dynamics*"(PI)
                                    $992 (Fall 09)
- Departmental Foundation grant
                                    $420 (Spring 2009)
- Georgia Southern Service Grant "*22nd Summer Conference on Topology and its Applications*",
                                    $1,000 (Fall 06)

- NSF grant (DMS- 0603294) "*21st Summer Conference on Topology and its Applications*" (**PI**),
                                    $25,000 (2006)

- Georgia Southern Faculty Research Grant "*Applications of generalized topology"*(**PI**)
                                    $10,000 (2006)
- Georgia Southern Travel Grant (summer 2005): $360
- Georgia Southern CLEC Lecture support:
    - Spring 2005 $980
    - Spring 2006 $980
    - Fall 2006 $980
    - Spring 2007 $1180
    - Fall 08 $942

OTHER ACTIVITIES

Reviewer work	**Journals**: Topology and its Applications, Topology Proceedings, Quaestiones Mathematicae, Houston Journal of Mathematics, Proceedings A.M.S., International Journal of Mathematics and Mathematical Sciences, Commentationes Mathematicae Universitatis Carolinae, Sochoow Mathematical Journal, Rendiconti Circ. Palermo, Mathematica Bohemica, Colloquium Mathematicum, Mathematics Magazine (MAA), Theory and Applications of Categories, Mediterranean Journal of Mathematics, Acta Mathematica Hungarica, Questions and Answers in Topology, Filomat, Hacettepe Journal of Mathematics and Statistics, Theory in BioSciences

Editorial work	- Editorial Board member for *Open Journal of Mathematical Sciences* since Spring 21 - Topics Editor for *Mathematics* (MDPI) since Fall 20 - Editorial Board member for *Applied General Topology* (Since Summer 19) - Editorial Board member for the *International Journal of Mathematics and Mathematical Sciences*. - Editorial Board member for the *Gulf Mathematical Journal* - Editorial Board member for the Geometry section of *The Scientific World Journal* (until 08/16 when the Geometry section was discontinued) - Editorial Board member for the Geometry section of *International Scholarly Research Notices* (till the journal was discontinued 12/17) - Editorial Board member for the Geometry section of *Journal of Mathematics* - Editor for the *General Topology* section of the book *Open Problems in Topology II,* Elliot Pearl (editor), Elsevier 2007. - Guest editor for *Topology Proceedings* 31 No 2 (2007) (proceedings of the 21st Summer Conference on Topology and its Applications, Georgia Southern University, July 6-9, 2006) - Main editor (with E. Pearl) of the collective volume *Beyond Topology,*

Conference organization	• Member (2005-present) former **Chair** (elected to 3 years term 2014-2017) of the Advisory Board to Summer Conferences on Topology and its Applications • Member of the Advisory Board to Spring Topology and Dynamics Conferences (2007-2019) • Member of the Scientific Committee: *35th Summer Conference on Topology and its Applications*, Youngstown State University, Youngstown, OH, July 2019. • **Main organizer**: 51st Spring Topology and Dynamics Conference, NJCU, March 2017 • Organizer (with S. Hernandez and G. Luckacs) of the special session on *Topology+Algebra and Analysis* at the 32nd Summer Conference on Topology and its Applications, Dayton University, OH, June 2017 • Organizer (with S. Hernandez and G. Luckacs) of the special session on *Topological Methods in Algebra and Analysis* at the 31st Summer Conference on Topology and its Applications, Leicester University, UK, August 2-5, 2016 • Organizer (with G. Seal) of the special session *Categorical Topology*, Joint Mathematics Meeting (AMS-MAA), Baltimore, MD, January 15-18, 2014 • 31st Southeastern Atlantic Regional Conference on Differential Equations, September 30th-October 1st, 2011, Georgia Southern University. • AMS Southeastern sectional meeting, Statesboro, GA, March 12-13, 2011. Main organizing committee, organizer of the special session on *Categorical Topology* (with G. Seal), and of the special session on *Set-theoretic topology* (with P. Nyikos) • 44th Spring Conference on Topology and Dynamics, Mississippi State University, March 18-20th, 2010. • **Main organizer**: 21st Summer Conference on Topology and its Applications, Georgia Southern University, July 6-9, 2006. • Participation in the organization of the French-Japanese conference on Hyperspace topologies, La Bussière, France, October 1997
Short term visiting positions	• One-month research stay at the Mathematical Institute of Burgundy, Dijon, France (funded by Mathematical Institute of Burgundy), December 2005-January 2006. • One-month research stay at the University of Auckland, New Zealand (funded by the French Ministry of Foreign Affairs and the University of Auckland), December 2003-January 2004. • 3 months research position at RUCA University of Antwerp, Belgium, November 2000-February 2001 (funded by prof. Robert Lowen's research grants).
Fall 2001-Fall 2002	Creation and Organization of the Graduate Seminar of the Math Department, U. of Mississippi.

TALKS AT CONFERENCES

May 21	*Special subsets of βX and non-topological convergence properties characterized topologically*, 54th Spring Topology and Dynamics Conference, Murray State University, May 12-15, 2021
July 18	*Completeness number vs paving number of the upper Kuratowski convergence*, 33rd Summer Conference on Topology and its Applications, Western Kentucky University, Bowling Green KY, July 17-20, 2018
March 17	*Pointfree convergence: convergence frames*, 51st Spring Topology and Dynamical Systems Conference, NJCU, Jersey City, NJ, March 8-11, 2017.
August 16	*Convergence frames,* 31st Summer Conference on Topology and its Applications, Leicester University, UK, August 2-5, 2016
March 16	*On metrizability of dual groups,* 50th Spring Topology and Dynamical Systems Conference, Baylor University, Waco, TX, March 10-13, 2016.
November 15	*A flipped classroom model and self-graded homework*, New Jersey Sectional MAA meeting, Kean University, November 14, 2015
June 15	*Remarks on metrizability of dual groups* 30th Summer Conference on Topology and its Applications, NUI Galway, Ireland, June 23-26, 2015
July 14	*pointfree convergence* 29th Summer Conference on Topology and its Applications, College of Staten Island, Staten Island, NY, July 23-26, 2014
March 14	*[A discussion of a flipped classroom model (for Calculus) and of the use of self-graded homework](),* 3rd Annual Georgia Scholarship of STEM Teaching and Learning Conference, Georgia Southern University, March 7, 2014
January 2014	*Regularity, function spaces, and contractive extensions in Convergence-Approach Spaces,* Special session on Categorical Topology, Joint Mathematics Meeting (AMS-MAA), Baltimore, MD, January 15-18, 2014
July 2013	(invited workshop leader in the *Asymmetric Topology* special session) *An introduction to convergence space methods in Topology*, 28th Summer Conference on Topology and its Applications, Nipissing University, North Bay, Canada, July 23-26
March 2013	*Regularity and contractive extensions in convergence approach spaces,* 47th Spring Topology and Dynamics Conference, Central Connecticut State University, New Britain, March 23-25
August 2011	*Diagonality and core compactness in spaces of open sets,* 11th Topological Symposium, Prague, Czech Republic.
March 2011	*A unified theory of function spaces and hyperspaces: local properties*, Special session on Set-theoretic Topology, 2011 Spring AMS Southeastern sectional meeting, March 12-13, Georgia Southern University.

March 2011	*Diagonality in spaces of open sets*, Special session on Categorical Topology, 2011 Spring AMS Southeastern sectional meeting, March 12-13, Georgia Southern University.
July 2010	*When are the Isbell topology on C(X,**R**) and its variants group topologies?* Algebra meets Topology: advances and applications, July 19-23, Barcelona, Spain.
June 2010	(invited) *Consonance versus infraconsonance,* 2010 International Conference on Topology and its Applications, June 26-30, 2010, Nafpaktos, Greece.
December 2009	(invited) *On function space structures induced by hyperspace structures,* Aspects of Contemporary Topology IV, December 13-19, Antwerp, Belgium
March 2009	*When is the Isbell topology a group topology?* Spring Topology and Dynamics Conference, March 7-9, 2009, Gainesville, FL.
October 2008	(invited) *Differentiability as continuity—an update.* Special Session on Set-Theoretic Topology, AMS sectional meeting, Huntsville, AL.
June 2008	(invited workshop leader) *Convergence Structures,* Advances in Set-Theoretic Topology, Conference in honor of T. Nogura's 60th birthday, Erice, Italy
December 2007	(invited) *Exponential Objects in Top, PrTop and ParaTop*, Aspects of Contemporary Topology III, Antwerp, Belgium.
July 2007	*Spaces of genotypes and of phenotypes,* 2007 Summer Conference on Topology and its Applications, Castelló, Spain
March 2006	(invited) *Differentiability as continuity*, 2006 Spring Topology and Dynamics Conference, University of North Carolina at Greensboro, NC.
July 2005	*Stability of local topological properties under product*, 2005 Summer Conference on Topology and its Applications, Denison University, Granville, OH.
March 2005	(invited) *A convergence-theoretic approach to product theorems,* Southeastern AMS meeting, Special session in Honor of D.C. Kent, Bowling Green, KY.
March 2004	*product of D-compactoid filters and product theorems for spaces and maps,* 2004 Spring Topology and Dynamics Conference, University of Alabama at Birmingham, Alabama
July 2003	*Product of compactoid filters and product theorems for spaces and maps,* 2003 Summer Conference on Topology and its Applications, Howard University, Washington, DC.
July 2003	*Stability of local topological properties under supremum and product*, Conference in Honor of A. V. Arhangelskii, Brooklyn College of CUNY, New
January 2002	(invited) *Productively Fréchet spaces*; special session on Topology and its Applications at the San Diego AMS annual meeting.

August 2000	*Coreflectively modified duality in convergences and convergence-approach spaces;* Categorical Methods in Algebra and Topology, Bremen, Germany.
July 1998	*Product of sequential and first-countable spaces;* International School of Mathematics "G. Stampacchia", Convergence and Topology, Erice (Sicily), Italy.
October 1997	*Whitehead theorem and hyperspaces;* French-Japanese conference on hyperspace topologies, La Bussière, France.
September 1997	*A common convergence-theoretic approach to products; function spaces and hyperspaces,* XIV International Congress of Topology, Milazzo (Messina), Italy.

PUBLICATIONS
Published or accepted for publication in international journals

1. F. Mynard, *On points of convergence lattices and sobriety for convergence spaces*, Topology and its Applications, vol 319, 21 pages, 2022
2. E. Angulo-Perkins and F. Mynard, *Subobjects and compactness in pointfree convergence*, to appear in Journal of Mathematics
3. *F. Mynard, Approach Theory and pointfree convergence*, Topology Proceedings 61, pp 31-47, 2023
4. F. Mynard, *Order convergence and convergence in the interval topology in the presence of compactoidness*, Cahiers de Topologie et Géométrie Différentielle Catégoriques, vol. LXII (4), 491-496, 2021
5. F. Mynard, *comparison of countability conditions within three fundamental classifications of convergences,* Topology and its Applications, vol. 278, 38 pages, 2020
6. J. Goubault-Larrecq and F. Mynard, *Convergence without points,* Houston Journal of Mathematics, 46(1):22-282, 2020
7. Mynard, *(ultra-) completeness numbers and (pseudo-) paving numbers*, Topology and its applications 256: 86-103, 2019.
8. F. Chigr and F. Mynard, *The convergence-theoretic approach to weakly first countable spaces and symmetrizable spaces*, Mathematica Slovaca 69 (1):185-198, 2019.
9. F. Mynard, *Distinguishing the plane from the punctured plane without homotopy*, Mathematics Magazine 91(1): 16-19, 2018.
10. S. Dolecki and F. Mynard, *Productively sequential spaces,* Mathematica Slovaca, 68(3):667-676, 2018.
11. F. Mynard and M. Tkachenko, *Remarks on metrizability of dual groups,* Topology Proceedings, 47: 273-278, 2016.
12. F. Mynard and W. Trott, *Measure of compactness for filters in product spaces: Kuratowski-Mròwka in CAP revisited,* Topology and its Applications, 200: 251-267, 2016.
13. Dirk Hofmann, Frédéric Mynard and Gavin Seal, *Exponential Kleisli monoids as Eilenberg-Moore algebras,* Applied Categorical Structures, 23(2):137-157, 2015
14. S. Dolecki and F. Mynard, *A unified theory of function spaces and hyperspaces: local properties,* Houston Journal of Math. 40(1), 285-318, 2014.
15. Eva Colebunders, Frédéric Mynard, and William Trott (Master Student), *Function spaces and contractive extensions in Approach Theory: The role of regularity,* Applied Categorical Structures, 22(3): 551-563, 2014

16. Frédéric Mynard, *A convergence-theoretic viewpoint on the Arzelà-Ascoli Theorem,* Real Analysis Exchange, 38(2): 431-444, 2013

17. F. Jordan and F. Mynard, *Core compactness and diagonality in spaces of open sets.* Applied General Topology, 12(2): 143-162, 2011

18. S. Dolecki, F. Jordan and F. Mynard, *Group topologies coarser than the Isbell topology,* Topology and its Applications 158(15): 1962-1968, 2011

19. R. Kopperman, F. Mynard and P. Ruse *quasi-metric representations of various categories of closure spaces*, Topology Proceedings, 37: 331-347, 2011

20. Szymon Dolecki and Frédéric Mynard *When is the Isbell topology a group topology?* Topology and its Applications 157(8):1370-1378, 2010.

21. Frédéric Mynard and Gavin Seal, *Phenotype Spaces,* Journal of Mathematical Biology, Vol. 60 No 2: 247-266, 2010

22. Frédéric Mynard, *Measure of compactness for filters in the approach setting.* Quaestiones Mathematicae 31, 189–201, 2008

23. Szymon Dolecki, Francis Jordan and Frédéric Mynard, *Reflective classes of sequentially based convergences, sequential continuity and sequence-rich filters*. Topology Proceedings 31 No. 2, pp. 457-479, 2007

24. Frédéric Mynard, *Products of compact filters and applications to classical product theorems.* Topology and its Applications, 154(4): p. 953-968, 2007

25. Frédéric Mynard, *Unified characterization of exponential objects in TOP, PRTOP and PARATOP*, Cahiers de Topologie et Géométrie Différentielle Catégoriques, Volume 48, No. 1, pp. 70-80, 2007

26. Anh Tran Mynard and Frédéric Mynard, *Closure spaces and characterization of filters in terms of their Stone images.* Czechoslovak Mathematical Journal, Vol. 57, No. 3, pp. 1025-1034, 2007

27. Francis Jordan, Iwo Labuda and Frédéric Mynard, *Finite products of filters that are compact relative to a class of filters.* Applied General Topology, 8(2):161-170, 2007

28. Frédéric Mynard, *Relations that preserve compact filters.* Applied General Topology, 8(2):171-185, 2007

29. Francis Jordan and Frédéric Mynard, *Compatible relations on filters and stability of local topological properties under supremum and product,* Topology and its Applications 153: 2386-2412, 2006

30. David Gauld and Frédéric Mynard, *Differentiability as continuity,* Real Analysis Exchange 31(2):425-430, 2005/2006

31. David Gauld and Frédéric Mynard, *Metrisability of manifolds in terms of function spaces*. Houston Journal of Mathematics, Volume 31, No. 1, pp. 199-214, 2005

32. Francis Jordan and Frédéric Mynard, *Productively Fréchet spaces*. Czechoslovak Mathematical Journal, Vol. 54, No. 4, pp. 981-990, 2004

33. Szymon Dolecki and Frédéric Mynard, *Hyperconvergences.* Applied General Topology, Volume 4 No. 2: 391-419, 2003

34. Francis Jordan and Frédéric Mynard, *Espaces productivement de Fréchet,* Comptes Rendus de l' Académie des Sciences Paris, Ser I 335, 259-262, 2002

35. Frédéric Mynard, *Coreflectively modified duality.* Rocky Mountain Mathematical Journal, Volume 34 No. 2 (Summer): 733-758, 2004

36. Frédéric Mynard, *First-countability, sequentiality and tightness of the upper Kuratowski convergence*. Rocky Mountain Mathematical Journal, Volume 33 No. 3 (Fall): 1011-1038, 2003

37. Frédéric Mynard, *When are compact, countably compact and Lindelöf convergences topological ?* Topology Proceedings, 26 No. 1, pp. 283-296, 2002

38. Frédéric Mynard, *More on strongly sequential spaces*. Commentationes Mathematicae Universitatis Carolinae 43,3: 525-530, 2002

39. Frédéric Mynard, *Coreflectively modified continuous duality applied to classical product theorems*, Applied General Topology, Volume 2, No. 2, pp. 119-154, 2001
40. Szymon Dolecki and Frédéric Mynard, *Convergence-theoretic mechanisms behind product theorems*, Topology and its Applications, 104: 67-99, 2000
41. Szymon Dolecki and Frédéric Mynard, *Cascades and multifilters*, Topology and its Applications, 104: 53-65, 2000
42. Frédéric Mynard, *Strongly sequential spaces*, Commentationes Mathematicae Universitatis Carolinae, 41, 1: 143-153, 2000

Invited book chapter

1. Dimtris Georgiou, Stavros Illiadis and Frédéric Mynard, *Function space topologies,* Open Problems in Topology II*,* Elliot Pearl (editor), Elsevier 2007
2. F. Mynard, *Espacios de convergencia. Parte I: ¿Por qué?*, *Topología y sus Aplicaciones,* Juan Angoa *(*editor), Benemérita Universidad Autónoma de Puebla, México

Books (editor)

Frédéric Mynard and Elliot Pearl, *Beyond Topology*, Contemporary Mathematics #486, AMS, 2009.

Books (author)

- F. Mynard, *Introduction to the language of mathematics* (textbook)*,* p. 185, 1st edition, Springer, November 18

- S. Dolecki and F. Mynard, *Convergence Foundations of Topology,* p. 568, 1st edition, World Scientific Publishers, 2016.

- F. Mynard, *A youtube Calculus Workbook* (part I)*,* p. 299, 1st edition, Bookboon.com, 2013.

- F. Mynard, *A youtube Calculus Workbook* (part II)*,* p.268, 1st edition, Bookboon.com, 2014.

- F. Mynard, *Exercises for A youtube Calculus Workbook (part II): a flipped classroom model,* p.238, 1st edition, Bookboon.com, 2014.

SERVICE
Department and University Services at New Jersey City University

Departmental Committees and service:

- Department Chair Summer 21-

- Department co-chair Fall 20-Summer 21

- Curriculum committee (Fall 14-)

- Graduate committee (Fall 14-)

- Lab coordinator (Spring 15-Fall 19)

- Tutoring lab coordinator (Fall 17-Fall 19)

University service:

- Honors Program Committee (Summer 18-Spring 21)

- Institutional Review Board member (Fall 15-Summer 20)

- Senate Planning, Development & Budget Committee (Fall15-Spring 17)

- SBR Task Force (Spring 17-Summer 17)

- SBR steering committee (Fall 18-)

Other:

- Undergraduate open house (October 2015)

- Graduate open house (October 2014)

- KME honor society speaker (November 24, 2014): *counting with Buzz: to infinity and beyond!*

- CTL workshop (February 4, 2015): *Getting started with LyX*

- Presidential research roundtable (February 23, 2015)*: Compactness for all!*

- Provost Research day presentation, October 18, 2017

- Research Symposium podium presentation, April 10th, 2018

- Organization of a major international conference (51st Spring Topology and Dynamical Systems Conference, NJCU, March 8-11, 2017)

Department and University Services at Georgia Southern

University Senator: Fall 2010—Summer 2013
University Senator Alternate: Spring 2010

Departmental Committees:

- Strategic Planning committee (2005)

- Colloquium committee 2005-2009, 2010-2012, **Chair** 2006-2009

- Graduate committee (2007-spring 08; Spring 09, Fall 13-Spring 2014)

- Hiring Task Force, April-May 2008.

- Rubrics committee (Spring 2010)

- Search Committee for Lecturer (Fall 10-Spring 11)

- Post-tenure committee (Fall 12-Spring 13)

- Election committee (Fall 13-Spring 2014)

- Course and Curriculum Committee (**Chair** Fall 13-Spring 2014)

College level Committees:

- Teaching Committee (Chair 2008)

- Search Committee for Associate Dean (Fall 2010)

- Bylaws ad-hoc committee (Spring 11)

- Governance Committee (Fall 11-Fall 13)

University level Committees:

- Comprehensive Review Program University Task Force (Fall 08-Spring 09)

- Parking and Transportation Committee (Fall 11)

- University Faculty Welfare Committee (Fall 11-Spring 13)

- Faculty Senate Executive Committee (Fall 11-Summer 13)

- University Faculty Research Committee (**Chair** Fall 11-Spring 2012)

- **Faculty Senate Moderator and Chair of Senate Executive Committee** (August 2012-August 2013)

- Community Engagement Committee (Summer 2012-Summer 2013)

- Space Planning Committee (Summer 2012- Summer 2013)

- Institutional Effectiveness Committee (Summer 2012- Summer 2013)

- SACS Steering Committee Action Team #1, Governing Board (Spring 13-Spring 2014)

- Feasibility study team hotel/conference center (Summer 13-Spring 2014)

- AAUP Shared governance committee, Georgia Southern Chapter (Spring 2010-Spring 2014)