

DRAFT Curriculum Vitae

Craig A Nolder

Last Revised: February 12, 2023

General Information

University address: Financial and Pure Mathematics
Department of Mathematics
College of Arts & Sciences
1017 Academic Way, 208 Love Building
Florida State University
Tallahassee, Florida 32306-4510
Phone: 850-644-2202; Fax: 850-644-4053

E-mail address: cnolder@fsu.edu
nolder@math.fsu.edu

Web site: <http://www.math.fsu.edu/~nolder>

Professional Preparation

- 1985 Ph.D., University Of Michigan-Ann Arbor. Major: Mathematics.
- 1979 BS, Case Institute of Technology, Cleveland, Ohio. Major: Mathematics
Minor: Anthropology.
- 1979 BS, Case Institute of Technology, Cleveland, Ohio. Major: Physics.

Professional Experience

- 2013–present Specialist in Mathematics of Meteorology, Center for Ocean-Atmospheric
Prediction Studies, Florida State University.
- 2012–present Professor, Pure and Financial Mathematics, Florida State University.
- 1992–2012 Associate Professor, Mathematics, Florida State University. Pure and
Financial Mathematics.
- 1985–1992 Assistant Professor, Mathematics, Florida State University. Pure Mathematics.

Visiting Professorship(s)

2014	University of Arkansas, Fayetteville, Arkansas.
2002	Department of Mathematics, University of Michigan, Ann Arbor, Michigan.
1996	Department of Mathematics, University of Michigan, Ann Arbor, Michigan.
1994	Department of Mathematics, Syracuse, Syracuse, New York.
1992	Department of Mathematics, University of Michigan, Ann Arbor, Michigan.
1989	Department of Mathematics, University of Michigan, Ann Arbor, Michigan.

Current Membership in Professional Organizations

Clifford Interest Group in ISSAC

Teaching

Courses Taught

Measure and Integration II (MAA5617)
Ordinary Differential Equations (MAP2302)
Complex Variables (MAA4402)
Measure and Integration I (MAA5616)
Topics in Analysis (MAA5932)
Applied Linear Algebra I (MAS3105)
Advanced Calculus I (MAA4226)
Advanced Seminar in Analysis (MAA6939)
Engineering Mathematics II (MAP3306)
Advanced Calculus II (MAA4227)
Advanced Calculus II (MAA5307)
Advanced Calculus I (MAA5306)
Theory of Functions of a Complex Variable II (MAA5407)
Theory of Functions of a Complex Variable I (MAA5406)
Topics in Analysis (MAA4934)
Special Topics in Mathematics (MAT5933)
Engineering Mathematics I (MAP3305)
Introduction to Financial Mathematics (MAP5601)
Calculus with Analytic Geometry II (MAC2312)
Advanced Seminar in Applied Mathematics (MAP6939)
Advanced Topics in Analysis (MAA6416)

Selected Advanced Topics (MAT6933)
Advanced Topics in Applied Mathematics (MAP6437)
Advanced Topics in Mathematics (MAT6932)
Calculus with Analytic Geometry I (MAC2311)
Selected Topics in Mathematics (MAT5932)
Advanced Graduate Seminar (MAT6939)

New Course Development

Introduction to Financial Mathematics (1998)

Curriculum Development

Masters Program in Financial Mathematics (1998)

Doctoral Committee Chair

Almalki, Y., graduate. (2017). *Sorvali Dilatation and Spin Divisors on Riemann and Klein Surfaces*.

Ballenger, B. K., graduate. (2016). *An Analysis of Conjugate Harmonic Components of Monogenic Functions and Lambda Harmonic Functions*.

Gu, F., graduate. (2016). *Exponential Convergence Fourier Method and its Applications on Option Pricing with Levy Processes*.

Emanuelo, J., graduate. (2015). *Analysis of Functions of a Split-Complex, Multicomplex and Split-Quaternionic Variables and Their Associated Conformal Geometries*.

Wang, G., graduate. (2012). *Dirac Operators, Multipliers and H_p Spaces of Monogenic Functions*.

Bayazit, D., graduate. (2010). *Sensitivity Analysis of Options Under Levy Processes via Malliavin Calculus*.

Mavroudis, K., graduate. (2008). *Constant proportions portfolio strategies in an evolutionary context using a dividend factor model*.

Tzigantcheva, M., graduate. (2008). *Stochastic volatility extensions of the swap market model*.

Yoo, E., graduate. (2008). *Variance gamma pricing of American futures options*.

Galloway, M. L., graduate. (2006).

Montin, B., graduate. (2004). *An agent market model using evolutionary game theory and quantum mechanical formalism*.

Ding, S., graduate. (1996). *Conjugate A-harmonic tensors*.

Prather, B., doctoral candidate.

Doctoral Committee Member

Huang, H., graduate. (2012).
Liu, Y., graduate. (2012).
Willyard, M. C., graduate. (2011).
Parshad, R., graduate. (2009).
Salta, E. R., graduate. (2008).
Moreno, J., graduate. (2007).
Wood, B., graduate. (2006).
Hu, W., graduate. (2005).
Lengfield, M., graduate. (2004).
Liao, Douglas, Xiaozhang, graduate. (1997).
Zhang, L., graduate. (1995).
Song, R., graduate. (1993).
Almalki, Y. A., doctoral candidate.
Ho, C. W., doctoral candidate.
Li, X., doctoral candidate.
Manakov, A., doctoral candidate.
Waller, R. L., doctoral candidate.
Zhang, Y., doctoral candidate.
Yan, J., doctoral candidate.

Doctoral Committee University Representative

Zhao, H., graduate. (2010).
Choi, Seo-eun, graduate. (2007).
Li, Y., graduate. (2003).
Keel, R. C., doctoral candidate.
Schmerbeck, A. J., doctoral candidate.

Master's Committee Chair

Mandhana, A., graduate. (2008).

Supervision of Student Research Not Related to Thesis or Dissertation

Escabi, J. (Sep 2017–present).

Research and Original Creative Work

Publications

Invited Journal Articles

Nolder, C. A. (2010). A-Harmonic Equations and the Dirac Operator. *Journal of Inequalities and Applications*, 2010, 9.

Refereed Journal Articles

Nolder, C. A., & Prather, B. R. (2022). Split-Hopf fibrations. *Proc. Amer. Math. Soc*, 150, 903-908. doi:<https://doi.org/10.1090/proc/15753>

Nolder, C. A., & Almalki, Y. (2019). Spin Structures and Branch divisors on p-Gonal Surfaces. *Rocky Mountain Journal of Mathematics*, 49, 1769-1791.

Nolder, C., & Ballenger, B. K. (2017). Conjugate harmonic components of monogenic functions. *Complex Analysis and Operator Theory*, 11, 627-635. doi:10.1007/s11785-017-0665-5

Nolder, C. A., & Wang, G. (2017). Fourier multipliers and Dirac operators. *Advances in Applied Clifford Algebras*, 27, 1647-1657.

Nolder, C. A., & Emanuello, J. A. (2015). Projective compactification of RI, I and its Möbius geometry. *Complex Analysis and Operator Theory*, 9, 329-354.

Nolder, C., & Morais, J. (2014). Local distortion of M-conformal maps. *Applied Mathematics and Computation*, 249, 554-568.

Bayazit, D., & Nolder, C. A. (2013). Sensitivities of options via Malliavin calculus : applications to markets of exponential Variance Gamma and Normal Inverse Gaussian processes. *Quantitative Finance*, 1-31. doi:10.1080/14697688.2012.756604

Mavroudis, K., & Nolder, C. A. (2011). Fixed-mixed rules in an evolutionary market using a factor model for dividends. *International Journal of Theoretical and Applied Finance*, 14(8), 1247-1277.

Nolder, C. A. (2011). Nonlinear A-Dirac equations. *Advances in Applied Clifford Algebras*, 21(2), 429-440.

Nolder, C. A. (2010). A-harmonic equations and the Dirac operator. *Jour. of Inequalities and Applications*, 124018, 1-x.

Galloway, M., & Nolder, C. A. (2008). Subordination, selfsimilarity and option pricing. *Journal of Applied Mathematics and Decision Sciences*, Article ID 397028, 30.

Nolder, C. A. (2005). Conjugate harmonic functions and Clifford algebras. *Journal Of Mathematics Analysis and Applications*, 302, no. 1, 137-142.

- Ding, S., Nolder, C. A. (2003). Lp-mu-averaging domains. *Journal Of Mathematics Analysis and Applications*, 283, 85-99.
- Nolder, C. A. (2002). Global integrability theorems for A-harmonic tensors. *Illinois Journal Of Mathematics*, 46, no. 1, 199-205.
- Nolder, C. A. (2002). The Hp-norm of a quasiconformal mapping. *Journal Of Mathematics Analysis and Applications*, 2765, 557-561.
- Ding, S., Nolder, C. A. (2002). Weighted Poincare inequalities for solutions to A-harmonic equations. *Illinois Journal Mathemtics*, 46, no. 1, 199-205.
- Nolder, C. A. (2000). An Lp-definition of interpolating Blaschke products. *Proceedings American Mathematical Society*, 123, no. 6, 1799-1806.
- Nolder, C. A. (1999). Hardy-Littlewood theorems for A-harmonic tensors. *Illinois Journal Of Mathematics*, 43, no. 4, 613-132.
- Nolder, C. A. (1994). Carleson's inequality and quasiconformal mappings. *Rocky Mountain Journal of Mathematics*, 24, no. 3, 1055-1063.
- Nolder, C. A. (1992). A quasiregular analogue of a theorem of Hardy and Littlewood. *Trans. Amer. Math. Soc*, 311, no. 1, 215-226.
- Nolder, C. A. (1992). Lipschitz classes of solutions to certain elliptic equations. *Ann. Acad. Sci. Fenn*, 17, 211-219.
- Nolder, C. A. (1991). Hardy-Littlewood theorems for solutions of elliptic equations in divergence form. *Indiana University Mathematical Journal*, 40, no. 1, 149-160.
- Nolder, C. A. (1990). A characterization of certain measures using quasiconformal mappings. *Proceedings American Mathematical Society*, 109, no. 2, 349-356.
- Nolder, C. A. (1987). Conjugate functions and moduli of continuity. *Illinois Journal of Mathematics*, 31, no. 4, 599-709.
- Iwaniec, T., Nolder, C. A. (1985). Hardy-Littlewood inequality for quasiregular mappings in certain domains in R^n . *Ann. Acad. Sci. Fenn, Series A.I. Math*, 10, 267-282.
- Koral, C., Nolder, C. A., Ciliax, G., Rogers, W. Keyes, W. (1984). Simulated ECT of the left ventricle using rotating slant hole collimator and two camera positions. *Journal Of Nuclear Medicine*, 25, 343-351.

Invited Books

Nolder, C. A. (2019). *Clifford Mobius Geometry*. Springer.

Refereed Books

Argarwal, R. P., Ding, S., & Nolder, C. A. (2009). *Inequalities for Differential Forms*. Springer-Verlag.

Refereed Proceedings

Nolder, C. (2018). Lambda-Harmonic Functions : An Expository Account. In Paula Cerejeiras, Craig A. Nolder, John Ryan, & Carmen Judith Vanegas Esponiza (Eds.), *Clifford Analysis and Related Topics, Florida State University, Tallahassee, FL* (pp. 1-18). Springer Proceedings in Mathematics and Statistics.

Nolder, C. (2018). Notions of Regularity for Functions of a Split-Quaternionic Variable. In Paula Cerejeiras, Craig A. Nolder, John Ryan, & Carmen Judith Vanegas Espinoza (Eds.), *Clifford Analysis and Related Topics* (pp. 73-96). Springer Proceedings in Mathematics and Statistics.

Nolder, C. A., & Morais, J. P. (2012). Local distortion of monogenic functions. In *9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences* (pp. 703-709). Technical University of Vienna, American Institute of Physics.

Bayazit, D., & Nolder, C. A. (2009). An approximate Malliavin weight for the variance gamma process: sensitivity analysis of European style options. In V. Lakshmikantham, A.S. Vatsala, & J. Zaytoon (Eds.), *World Congress of Nonlinear Analysts* (pp. e2814-e2823). Melbourne, FL.

Nolder, C. A., & Ryan, J. (2009). p-Dirac equations. In J. Keller (Ed.), *Workshop on Clifford Analysis and Applications* (pp. 391-402). Berlin, Germany.

Nolder, C. A. (2006). Lipschitz classes of A-harmonic functions on Carnot groups. In R. P. Agarwal (Ed.), *International Conference on Differential and Difference Equations*. New York, NY.

Nolder, C. A. (2005). Hardy-Littlewood inequality for quasiregular maps on Carnot groups. In V. Lakshmikantham, A.S. Vatsala, & J. Zaytoon (Eds.), *Nonlinear Analysis* (pp. e407-e415). Melbourne, FL.

Nolder, C. A. (2003). Selfsimilar additive processes and financial modeling. In M.H. Hamza (Ed.), *International Conference Financial Engineering and Applications* (pp. 88-92). Banff, Canada.

Nolder, C. A., Oberlin, D. M. (1988). Moduli of continuity and a Hardy-Littlewood theorem. In I. Laine, & O. Martio (Eds.), *XIII Rolf Nevanlinna Colloquium* (pp. 265-272). Berlin, Germany.

Refereed Reviews

X. Chen, & A. Fang. (2007). Truncations of extremal quasiconformal mappings and their applications. *J. Math. Anal. Appl*, 331(2007), no. 2, 1299--1313.

G. Bao, Y. Xing, & C. Wu. (2007). Twoweight Poincaré inequalities for the projection operator and A-harmonic tensors on Riemannian manifolds. *Illinois J. Math*, 51(2007), no. 3, 831-842.

Ding, S., Xing, Y., & Bao, G. (2006). A_r Ω -weighted inequalities for A-harmonic tensors and relate. *J. Math. Anal. Appl*, 322(2006), no. 1, 219--232.

C. Andreian Cazacu. (2005). On the length-area dilatation. *Complex Var. Theory Appl*, 50(2005), no. 7-11, 765--776.

U. Srebro, & E. Yakubov. (2004). Boundary behavior of μ -homeomorphisms. *Israel J. Math*, 141(2004), 249--261.

Y. Xing, B. Wang, & S. Ding. (2004). Global estimates for compositions of operators applied to differential forms. *Comput. Math. Appl*, 48(2004), no. 12, 1905--1913.

S. Kurihara, & S. Yamashita. (2003). Extremal functions for plane quasiconformal mappings. *J. Math. Kyoto Univ*, 43(2003), no. 1, 71--99.

S. L. Krushkal. (2001). A remark on polygonal quasiconformal maps. *Georgian Math. J*, 8(2001), no. 4, 815-822.

D. Partyka, & K. Sakan. (1999). A conformally invariant dilatation of quasisymmetry. *Ann. Univ. Mariae Curie-Skłodowska, Sect. A* 53(1999), 167-181.

K. Hag. (1999). What is a disk? Quasiconformal geometry and dynamics. *Polish Acad. Sci Banach Center Publ, Publ.*, 48, 43--53.

Y. Qi. (1998). A problem in extremal quasiconformal extensions. *Sci. China Ser, A* 41(1998), no, 1135--1141.

O. Reséndis, & L. F. (1998). Quasiconformal distortion of univalent functions via holomorphic motions. *Bol. Soc. Mat. Mexicana*, (3) 4 (1998), no. 1, 69--84.

S. Qiu. (1997). Agard's η -distortion function and Schottky's theorem. *Sci. China Ser, A* 40(1997), no. 1, 1-9.

S. Rickman. (1995). Defect relation and its realization for quasiregular mappings. *Ann. Acad. Sci. Fenn. Ser. A I Math*, 20(1995), no. 2, 207--243.

Presentations

Invited Papers at Conferences

Nolder, C. A., & Emanuello, J. A. (presented 2013). *Clifford Algebras with Induced (Semi)-Riemannian Structures and Their Compactifications*. Paper presented at ISAAC conference, ISAAC, Krakow, Poland. (International)

Nolder, C. A. (presented 2012). *Local distortion of monogenic functions*. Paper presented at ICNPAA 2012 Congress, Vienna University of Technology, Vienna, Austria. (International)

Nolder, C. A. (presented 2008, May). *Nonlinear A-Dirac equations*. Paper presented at Sixth International Conference on Differential and Difference Equations, Morgan State University, Baltimore, Maryland, USA. (International)

Refereed Papers at Conferences

Nolder, C. (accepted). *Much To Do About Octonions*. Paper to be presented at International Conference of Numerical Analysis and Applied Mathematics, ICNAAM, Rhodes, Greece. (International)

Invited Presentations at Conferences

Nolder, C. A. (presented 2021, August). *Clifford Siegal spaces*. Presentation at 13th ISAAC congress, ISSAC, Ghent Belgium. (International)

Nolder, C. A. (presented 2020, August). *Jordan Algebras*. Presentation at 12th International Conference on Clifford Algebras and Their Applications in Mathematics and Physics, University of Science and Technology of China, Hefei, Anhui, China. (International)

Nolder, C. (presented 2015). *Clifford Mobius Geometry*. Presentation at Conference in honor of John Ryan's 60th birthday, Frieberg, Germany. (International)

Nolder, C. (presented 2015). *Clifford Mobius Geometry*. Presentation at Sectional Meeting of the American Mathematical Society, Ca. State Fullerton, Fullerton, CA. (International)

- Nolder, C. A. (presented 2009, June). *Malliavin weights*. Presentation at Summer Meeting of the Canadian Mathematical Society, Canadian Mathematical Society, St. Johns, Canada. (International)
- Nolder, C. A. (presented 2008, May). *Nonlinear Dirac equation*. Presentation at Sixth International Conference on Differential and Difference Equations, International Federation of Non-Linear Analysts, Baltimore, MD. (International)
- Nolder, C. A. (presented 2007, June). *Pricing American futures options*. Presentation at Fifth International Conference on Dynamic Systems and Applications, European Mathematical Society, Atlanta, GA. (International)
- Nolder, C. A. (presented 2006, November). *Monogenic functions and systems of conjugate harmonic functions*. Presentation at Northwest Sectional Meeting Special Session on Dirac Operators in Analysis and Geometry, American Mathematical Society, Fayetteville, AK. (International)
- Nolder, C. A. (presented 2005). *Lipschitz classes of A -harmonic functions in Carnot groups*. Presentation at Fifth International Conference, Differential and Difference Equations, Melbourne, FL. (International)
- Nolder, C. A. (presented 2004, June). *An agent market model with quantum mechanical formalism*. Presentation at Fourth World Congress, International Federation of Nonlinear Analysts, Orlando, FL. (International)
- Nolder, C. A. (presented 2004, March). *Selfsimilar additive processes and financial modeling*. Presentation at International Conference, Financial Engineering and Applications, Banff, Canada. (International)
- Nolder, C. A. (presented 2002, March). *Elliptic diffusions, exit times and the quasihyperbolic metric*. Presentation at Sectional Meeting, American Mathematical Society, Ann Arbor, MI. (International)
- Nolder, C. A. (presented 2001, January). *Teichmuller distance between elliptic curves*. Presentation at Joint Mathematics Meetings, American Mathematical Society, New Orleans, LA. (International)
- Nolder, C. A. (presented 2000, November). *Teichmuller distance between elliptic curves*. Presentation at Northeastern Regional Meeting, American Mathematical Society, New York, NY. (Regional)
- Nolder, C. A. (presented 1996). *Conjugate functions and moduli of continuity*. Presentation at International Conference, Harmonic Measure and Potential Theory, Toledo, OH. (International)

Nolder, C. A. (presented 1994, January). *Quasiconformal analysis*. Presentation at Annual Meeting, American Mathematical Society, Cincinnati, OH. (International)

Nolder, C. A. (presented 1991, March). *On the continuity of solutions to certain elliptic equations*. Presentation at Southeastern Regional Meeting, American Mathematical Society, Tampa, FL. (Regional)

Invited Workshops

Nolder, C. (2017). *19th Annual Workshop on Applications and Generalizations of Complex Analysis*. Workshop delivered at Univ. of Aveiro, Aveiro, Portugal. (International)

Nolder, C. (2016). *18th Annual Workshop on Applications and Generalizations of Complex Analysis*. Workshop delivered at Univ. of Aveiro, Aveiro, Portugal. (International)

Nolder, C. (2015). *17th Annual Workshop on Applications and Generalizations of Complex Analysis*. Workshop delivered at Univ. of Aveiro, Aveiro, Portugal. (International)

Nolder, C. (2014). *16th Annual Workshop on Applications and Generalizations of Complex Analysis*. Workshop delivered at Univ. of Aveiro, Aveiro, Portugal. (International)

Nolder, C. (2014). *Workshop on Integral Transforms, Boundary Values and Generalized Functions*. Workshop delivered at CECHA, Chapman University, Orange, CA. (International)

Nolder, C. A. (2013, March). *15th Annual Workshop on Applications and Generalizations of Complex Analysis*. Workshop delivered at University of Aveiro, Aveiro, Portugal. (International)

Nolder, C. A. (2012, October). *Workshop on Bicomplex and Hyperbolic Numbers*. Workshop delivered at Chapman University, Orange, CA. (International)

Nolder, C. A. (2012, March). *14th Annual Workshop on Applications and Generalizations of Complex Analysis*. Workshop delivered at University of Aveiro, Portugal, Aveiro, Portugal. (International)

Nolder, C. A. (2011, March). *13th Annual Workshop on Applications and Generalizations of Complex Analysis*. Workshop delivered at University of Aveiro, Portugal, Aveiro, Portugal. (International)

Nolder, C. A. (2009, September). *Removability theorems for A -Dirac equations*. Workshop delivered at International Workshop on Operator Theory and Applications, Guanajuato, Mexico. (International)

Nolder, C. A. (2008, May). *Nonlinear A-Dirac equations*. Workshop delivered at International Workshop on Operator Theory and Applications, Williamsburg, Virginia, USA. (International)

Invited Lectures and Readings of Original Work

Nolder, C. A. (2013, May). *Lecture Series*. Delivered at Harbin Institute of Technology, Harbin, China. (Regional)

Nolder, C. A. (2009, July). *Lecture Series*. Delivered at Harbin Institute of Technology, Harbin, China. (Local)

Nolder, C. A. (2007, October). *Beyond the Cauchy-Riemann equations*. Delivered at University of Arkansas, Mathematics Department, Fayetteville, AK. (Local)

Postdoctoral Supervision

Akar, M. (Sep 2013–Sep 2014).

Reviews of My Research and Original Creative Work by Other Authors

Reviews Appearing in Journals

Nolder, C. A. (2010). A-harmonic equations and the Dirac operator. *J. Inequal. Appl, Nolder, C. A, 9*.

Nolder, C. A., & Ryan, J. (2009). p-Dirac operators. *Adv. Appl. Clifford Algebr, 19(2009), no. 2, 391-402*.

Galloway, M., & Nolder, C. A. (2008). Subordination, self-similarity, and option pricing. *J. Appl. Math. Decis. Sci, Art. ID 397028, 30*.

Nolder, C. A. (2006). A Lipschitz classes of A-harmonic functions in Carnot groups. *Differential & difference equations and applications, 885--894*.

Nolder, C. A. (2005). A Conjugate harmonic functions and Clifford algebras. *J. Math. Anal. Appl, 302(2005), no. 1, 137--142*.

Ding, S., & Nolder, C. A. (2003). A $LS(\mu)$ -averaging domains. *J. Math. Anal. Appl, 283(2003), no. 1, 85--99*.

- Nolder, C. A. (2002). The H_p -norm of a quasiconformal mapping. *J. Math. Anal. Appl.*, 275(2002), no. 2, 557--561.
- Ding, S., & Nolder, C. A. (2002). Weighted Poincaré inequalities for solutions to A -harmonic equations. *Illinois J. Math.*, 46(2002), no. 1, 199--250.
- Nolder, C. A. (2000). Global integrability theorems for A -harmonic tensors. *J. Math. Anal. Appl.*, 247(2000), no. 1, 236--245.
- Nolder, C. A. (2000). An L_p definition of interpolating Blaschke products. *Proc. Amer. Math. Soc.* 128 (2000), 128(2000), 1799 --1806.
- Nolder, C. A. (1999). Hardy-Littlewood theorems for A -harmonic tensors. *Illinois J. Math.*, 43(1999), no. 4, 613--632.
- Nolder, C. A. (1994). Carleson's inequality and quasiconformal mappings. *Rocky Mountain J. Math.*, 24(1994), no. 3, 1055-- 1063.
- Nolder, C. A. (1992). Lipschitz classes of solutions to certain elliptic equation. *Ann. Acad. Sci. Fenn. Ser. A I Math.*, 17(1992), no. 2, 211--219.
- Nolder, C. A. (1992). A quasiregular analogue of a theorem of Hardy and Littlewood. *Trans. Amer. Math. Soc.*, 331(1992), no. 1, 215--226.
- Nolder, C. A. (1991). Hardy-Littlewood theorems for solutions of elliptic equations in divergence form. *Indiana Univ. Math. J.*, 40(1991), no. 1, 149--160.
- Nolder, C. A. (1990). A characterization of certain measures using quasiconformal mappings. *Proc. Amer. Math. Soc.*, 109(1990), no. 2, 349--356.
- Nolder, C. A., & Oberlin, D. M. (1988). Moduli of continuity and a Hardy-Littlewood theorem. *Lecture Notes in Math*, 1351, Springer, Berl, 265--272.

Service

Florida State University

FSU University Service

Committee Member, Academic Honor Policy Appeal Committee (2007--present).

FSU Department Service

Screen Applicants, Graduate Committee (2000–present).

Construct and arrange preliminary exams, Doctoral Qualifier/Preliminary Examination Committee (1999–present).

Organize Undergraduate Math Curriculum, Curriculum Committee (1996–2001).

The Profession

Editorial Board Membership(s)

European Journal of Pure and Applied Mathematics (2007–present).

Guest Reviewer for Refereed Journals

Advances in Applied Clifford Algebras (2011–present).

Complex Analysis and Operator Theory (2010–present).

Complex Variables and Elliptic Equations (2010–present).

Journal of Inequalities and Applications (2007–present).

Nonlinear Analysis (2006–present).

Jornal of Mathematical Analysis and Applications (1997–present).

Service to Professional Associations

Co-organizer of Special Session, Special Session : Dirac Analysis. Annual Meeting, New Orleans, LA, Jan. 6-9, 2011 (with John Ryan), American Mathematical Society (2010–2011).

Co-organizer of Special Session, Special Session : Clifford Analysis. Southeastern Sectional Meeting, Boca Raton, FL, Oct. 2009 (with John Ryan), American Mathematical Society (2008–2009).

Co-organizer of Minisymposium, Minisymposium on Financial Mathematics. Fifth World Congress of Nonlinear Analysts, Orlando, FL. (with V. Kholodnyi), International Federation of Nonlinear Analysts (2007–2008).

Co-organizer of Special Session, Special Session : Financial Mathematics. Annual Meeting, New Orleans, LA., Jan. 2007 (with J. Fouque, K. Solna and T. Zariphopoulou), American Mathematical Society (2006–2007).

Co-organizer of Special Session, Special Session : Financial Mathematics. Southeastern Sectional Meeting, Miami, FL. (with A. Kercheval), American Mathematical Society (2005–2006).

Co-organizer of Special Session, Special Session : Financial Mathematics. Southeastern Sectional Meeting, Orlando, FL. (with A. Kercheval), American Mathematical Society (2002).