MARIA GIRARDI

VITA FOR USC INTERNAL REVIEW

26 January 2006

DEGREES

PhD in Mathematics, May 1990
UNIVERSITY OF ILLINOIS at Urbana-Champaign; 1984–1990
Thesis Advisor: J. Jerry Uhl, Jr.

BS in Mathematics, June 1984
SANTA CLARA UNIVERSITY; Santa Clara, California, 1981–1984
Graduated in 3 years with cum laude honors

POSITIONS

PERMANENT POSITIONS (University of South Carolina at Columbia, Mathematics Department)

2003—present	Full Professor
1996—2003	Associate Professor
1990—1996	Assistant Professor

VISITING PROFESSORSHIP (while on leave from USC)

Spring 05	Universität Karlsruhe, Germany
Spring 04	Universität Karlsruhe, Germany
AY 01–02	Universität Karlsruhe, Germany

FELLOWSHIPS (while on leave from USC)

Spring 04	Deutscher Akademischer Austausch Dienst (Universität Karlsruhe, Germany)
AY 01–02	Alexander von Humboldt Foundation (Universität Karlsruhe, Germany)
AY 00–01	Alexander von Humboldt Foundation (Universität Karlsruhe, Germany)
Spring 96	Mathematical Sciences Research Institute (Berkeley)
AY 90–91	Institut de Calcul Mathématique (Paris)

HONORS and AWARDS

Alexander von Humboldt Foundation Fellow
since August 2000

NSF Workshops in Linear Analysis and Probability
Texas A&M University; College Station, TX
Invited Participant
Summers: 92, 93, 94, 95, 96, 97, 98, 99, 00, 01

Program on Convex Geometry and Geometric Functional Analysis
Mathematical Sciences Research Institute; Berkeley, CA
Invited Participant and Member of the MSRI
January—June 1996

USC Chapter of the Lilly Teaching Fellows Program
Eli Lilly Endowment, Inc.
Junior Teaching Fellow
Senior Teaching Fellow: Dr. James Roberts
AY 93–94

RESEARCH

PUBLICATIONS

[25] Maria Girardi, *Operator-valued Fourier Haar multipliers*, J. Math. Anal. Appl., (to appear).

[24] Maria Girardi and Lutz Weis, *Operator-valued Martingale transforms and R-boundedness*, Illinois J. Math. **49** (2005), no. 2, 487–516.

[23] Maria Girardi and Lutz Weis, *Integral operators with operator-valued kernels*, J. Math. Anal. Appl. **290** (2004), no. 1, 190–212.

[22] Maria Girardi and Lutz Weis, *Operator-valued Fourier multiplier theorems on $L_p(X)$ and geometry of Banach spaces*, J. Funct. Anal. **204** (2003), no. 2, 320–354.

[21] Maria Girardi and Lutz Weis, *Criteria for R-boundedness of operator families*, Evolution equations, Lecture Notes in Pure and Appl. Math., vol. 234, Dekker, New York, 2003, pp. 203–221.

[20] Maria Girardi and Lutz Weis, *Vector-valued extensions of some classical theorems in harmonic analysis*, Analysis and applications—ISAAC 2001 (Berlin), Int. Soc. Anal. Appl. Comput., vol. 10, Kluwer Acad. Publ., Dordrecht, 2003, pp. 171–185.

[19] Maria Girardi and Lutz Weis, *Operator-valued Fourier multiplier theorems on Besov spaces*, Mathematische Nachrichten **251** (2003), 34–51.

[18] Maria Girardi, *The dual of the James tree space is asymptotically uniformly convex*, Studia Math. **147** (2001), no. 2, 119–130.

[17] S. J. Dilworth and Maria Girardi, *On various modes of scalar convergence in $L_0(\mathfrak{X})$*, J. Math. Anal. Appl. **259** (2001), no. 2, 660–684.

[16] S. J. Dilworth, Maria Girardi, and William B. Johnson, *Geometry of Banach spaces and biorthogonal systems*, Studia Math. **140** (2000), no. 3, 243–271.

[15] S. J. Dilworth, Maria Girardi, and James Hagler, *Dual Banach spaces which contain an isometric copy of L_1*, Bull. Polish Acad. Sci. Math. **48** (2000), no. 1, 1–12.

[14] Maria Girardi and Wim Sweldens, *A new class of unbalanced Haar wavelets that form an unconditional basis for L_p on general measure spaces*, J. Fourier Anal. Appl. **3** (1997), no. 4, 457–474.

[13] Maria Girardi and William B. Johnson, *Universal non-completely-continuous operators*, Israel J. Math. **99** (1997), 207–219.

[12] S. J. Dilworth and Maria Girardi, *An application of a Pisier factorization theorem to the Pettis integral*, Séminaire d'Initiation à l'Analyse 1994-1995 (G. Choquet, G. Godefroy, M. Rogalski, J. Saint Raymond, eds), Publications Mathématiques de l'Université Pierre et Marie Curie, Paris, (1996), pp. 2001–2009.

[11] S. J. Dilworth and Maria Girardi, *Nowhere weak differentiability of the Pettis integral*, Quaestiones Math. **18** (1995), no. 4, 365–380.

[10] S. J. Dilworth, Maria Girardi, and Denka Kutzarova, *Banach spaces which admit a norm with the uniform Kadec-Klee property*, Studia Math. **112** (1995), no. 3, 267–277.

[9] Maria Girardi and William B. Johnson, *The complete continuity property and finite-dimensional decompositions*, Canad. Math. Bull. **38** (1995), no. 2, 207–214.

[8] Erik J. Balder, Maria Girardi, and Vincent Jalby, *From weak to strong types of $\mathcal{L}^1_E$-convergence by the Bocce criterion*, Studia Math. **111** (1994), no. 3, 241–262.

[7] Maria Girardi, *Bounding zeros of H^2 functions via concentrations*, J. Math. Anal. Appl. **183** (1994), no. 3, 605–612.

[6] Maria Girardi and Zhibao Hu, *Errata: "Dentability, trees, and Dunford-Pettis operators on L_1" [Pacific J. Math. **148** (1991), no. 1, 59–79; MR 92e:46030] by Girardi*, Pacific J. Math. **157** (1993), no. 2, 389–394.

[5] S. J. Dilworth and Maria Girardi, *Bochner vs. Pettis norm: examples and results*, Banach spaces (Mérida, 1992), Amer. Math. Soc., Providence, RI, 1993, pp. 69–80.

[4] Maria Girardi, *Weak vs. norm compactness in L_1: the Bocce criterion*, Studia Math. **98** (1991), no. 1, 95–97.

[3] Maria Girardi, *Dentability, trees, and Dunford-Pettis operators on L_1*, Pacific J. Math. **148** (1991), no. 1, 59–79.

[2] Maria Girardi, *Compactness in L_1, Dunford-Pettis operators, geometry of Banach spaces*, Proc. Amer. Math. Soc. **111** (1991), no. 3, 767–777.

[1] Maria Girardi and J. J. Uhl, Jr., *Slices, RNP, strong regularity, and martingales*, Bull. Austral. Math. Soc. **41** (1990), no. 3, 411–415.

[0] Maria Girardi, *Dunford-Pettis operators on L_1 and the complete continuity property*, Ph.D. dissertation, University of Illinois, Urbana-Champaign, 1990.

RESEARCH GRANTS

National Science Foundation DMS–0306750 *Vector-Valued Analysis and Geometry of Banach Spaces* Principal Investigator	06.03—05.06	$	120,001.
DAAD - German Academic Exchange Service Visiting Professorship at Universität Karlsruhe Principal Investigator co-Principal Investigator: Prof. Lutz Weis	03.04—07.04	$	31,355.
Alexander von Humboldt Foundation Research Fellowship Grant Extension *Geometry of Banach Spaces and Linear Operator Semigroups* Principal Investigator	08.01—07.02	$	27,000.
Alexander von Humboldt Foundation Research Fellowship Grant *Geometry of Banach Spaces and Linear Operator Semigroups* Principal Investigator	08.00—07.01	$	25,800.
National Science Foundation DMS–9622841 *Functional Analysis* Principal Investigator	08.96—07.99	$	46,800.
National Science Foundation DMS–9306460 *The Geometry of Banach Spaces* Principal Investigator	05.93—10.96	$	58,171.
NSF—AWM Travel Grant Principal Investigator	08.92—07.93	$	800.
National Science Foundation DMS–9204301 *The Geometry of Banach Spaces and Applications* NSF Young Investigator	07.92—08.92	$	7,000.

RESEARCH GRANT PROPOSALS
currently under consideration

National Science Foundation DMS–0600888 *Vector-valued analysis with a flair from the geometry of Banach spaces* Principal Investigator	05.06—05.09	$	144,493.

INVITED COLLOQUIUM ADDRESSES

7.- University-of-Houston- 11.17.04-
Fourier multiplier operators on Bochner spaces. An interplay between: functional analysis, harmonic analysis, and the geometry of Banach spaces.

6.- Universität-Karlsruhe;-Karlsruhe,-Germany- 06.27.02-
Fourier Multiplier Theorems: from the classical to the vector-valued setting (and why)

5.- College-of-Charleston;-Charleston,-SC- 10.30.98-
Lebesgue's Differentiation Theorem for Banach Space Valued Functions

4.- University-of-California-at-Riverside- 04.10.96-
Lebesgue's Differentiation Theorem for Banach Space Valued Functions

3.- San-Jose-State-University;-San-Jose,-CA- 04.04.96-
Lebesgue's Differentiation Theorem for Banach Space Valued Functions

2.- University-of-Illinois-at-Champaign-Urbana- 09.07.95-
The Nowhere Weak Differentiability of the Pettis Integral

1.- Université-de-Mons-—Hainaut;-Mons,-Belgium- 05.22.95-
Beyond the Radon-Nikodým Theorem

INVITED SEMINAR ADDRESSES

37.- Universität-Jena- 05.24.05-
Martingale transforms, Fourier Haar multipliers, and R-boundedness

36.- Universität-Karlsruhe-Oberseminar-Funktionalanlaysis- 04.19.05-
Martingal Transformationen, Fourier Haar Multiplikatoren, und R-Beschränktheit

35.- University-of-Houston- 11.18.04-
Vector-valued analysis: vector-valued Fourier multiplier theorems and the geometry of Banach spaces

34.- Universität-Karlsruhe-Oberseminar-Funktionalanlaysis- 05.11.04-
Integral operators with operator-valued kernels

33.- Université-de-Franche-Comté;-Besançon,-France- 05.04.04-
Integral operators with operator-valued kernels

32.- Freie-Universität-Berlin;-Germany- 07.08.02-
Operator-valued Fourier multiplier theorems and the geometry of Banach spaces

31.- Université-de-Paris-VI-&-VII:-Séminaire-d'Initiation-à-l'Analyse- 02.28.02-
Operator-valued Fourier multiplier theorems, R-boundedness, and the geometry of Banach spaces

30.- Universität-Karlsruhe-Oberseminar-Funktionalanlaysis- 12.11.01-
$Rad(\mathfrak{X})$-in-action-

29.- Universität-Karlsruhe-Oberseminar-Funktionalanlaysis- 05.29.01-
Fourier multipliers

28.- University-of-California-at-Riverside- 04.09.96-
Completely Continuous Operators on L_1

27.- Mathematical-Sciences-Research-Institute;-Berkeley,-CA- 02.27.96-
Strongly measurable Banach-space valued functions

26.- Bowling-Green-State-University;-Bowling-Green,-OH- in-09.95-
The Nowhere Weak Differentiability of the Pettis Integral

25.- Université-de-Paris-VI-&-VII- 05.18.95-
An application of a Pisier factorization theorem to the Pettis integral

24.- University-of-Zurich;-Zurich,-Switzerland- 05.15.95-
Universal Non-Completely-Continuous Operators

23.- University-of-Texas-at-San-Antonio- 08.10.94-
Operators, Measures, and Martingales

22.- University-of-Texas-at-Austin- 07.19.94-
Nowhere Weak Differentiability of the Pettis Integral

21.- Oklahoma-State-University;-Stillwater,-OK- in-08.93-
Lebesgue's differentiation theorem, for the Pettis integral, fails big time

20.- Oklahoma-State-University;-Stillwater,-OK- in-08.93-
Remarks on Gowers' new dichotomy theorem

19.- Case-Western-Reserve-University;-Cleveland,-OH- 06.01.93-
Geometry of Banach Spaces and Finite Dimensional Decompositions

18.- Kent-State-University;-Kent,-OH- in-05.93-
An application of Stegall's Factorization Theorem

17.- Institut-de-Calcul-Mathématique;-Paris- 03.14.91-
Bounding zeros of H^p functions via concentrations

16.- Institut-de-Calcul-Mathématique;-Paris- 12.06.90-
A discussion on paralleling polynomial factorization algorithms

15.- Université-de-Paris-VI-&-VII- 11.29.90-
Rademacher functions and Dunford-Pettis operators on L_1

14.- Kent-State-University;-Kent,-OH- 09.21.90-
Rademacher functions suffice for Dunford-Pettis operator

13.- Purdue-University;-West-Lafayette,-IN- 03.27.90-
Dentability, Trees, and Dunford-Pettis Operators on L_1

12.- University-of-South-Carolina-at-Columbia- in-03.90-
The Complete Continuity Property

11.- University-of-California-at-Riverside- in-03.90-
The Complete Continuity Property

10.- University-of-Hawaii;-Honolulu,-HI- in-03.90-
The Complete Continuity Property

9.- Miami-University;-Oxford,-OH- 02.22.90-
The Complete Continuity Property

8.- Louisiana-State-University;-Baton-Rouge,-LA- 02.19.90-
The Complete Continuity Property

7.- Georgia-Institute-of-Technology;-Atlanta,-GA- 02.15.90-
The Complete Continuity Property

6.- Ohio-University;-Athens,-OH- 02.12.90-
The Complete Continuity Property

5.- College-of-William-&-Mary;-Williamsburg,-VA- 02.10.90-
The Complete Continuity Property

4.- Colgate-University;-Hamilton,-NY- 02.06.90-
The Complete Continuity Property

3.- Università-degli-Studi-di-Firenze;-Italy- in-07.89-
Some Geometry of Banach Spaces

2.- University-of-Crete;-Greece- in-06.89-
The Complete Continuity Property

1.- University-of-Missouri-at-Columbia- in-04.89-
RNP vs. CCP

INVITED CONFERENCE ADDRESSES

37.- 06.20.05-—06.24.05- 06.22.05-
Martingale transforms by operator-valued predictable sequences
Contemporary-Ramifications-of-Banach-Space-Theory-
in-honor-of-Joram-Lindenstrauss-and-Lior-Tzafriri-
Jerusalem,-Israel-

36.- 06.16.04-—06.23.04- 06.21.04-
Integral operators with operator-valued kernels
Fifth-International-Conference-on-Functional-Analysis-
and-Approximation-Theory-
Acquafredda-di-Maratea,-Italy-

35.- 06.22.03-—06.28.03- 06.23.03-
Integral operators with operator-valued kernels
International-Conference-on-Operator-Theory-and-Operator-Algebras-
Palermo,-Sicily-

34.- 10.26.02- 10.26.02-
Applications of Banach space theory to vector-valued Fourier multiplier theorems
Abstract-Analysis-Gathering-
Kent-State-University-

33.- 09.22.02-—09.29.02- 09.24.02-
Operator-valued Fourier multiplier theorems and the geometry of Banach spaces
Conference-on-Functional-Analysis-in-honor-of-Prof.-A.-Pełczyński-
Bêdlewo,-Poland-

32.- 03.17.02-—03.23.02- 03.22.02-
Optimal smoothness of Fourier multipliers
Third-European-Maghreb-Workshop-on-Semigroup-Theory,-
Evolution-Equations-and-Application-
Marrakesh,-Morocco-

31.- 02.14.02-—02.15.02- 02.14.02-
$Rad(\mathfrak{X})$-in-action-
TULKA-Seminar-
Tübingen,-Germany-

30.- 10.28.01-—11.02.01- 10.30.01-
Fourier multipliers on Besov spaces and the geometry of Banach spaces
Autumn-School-on-Evolution-Equations-and-Semigroups-
Levico-Terme,-Italy-

29.- 08.03.01-—08.05.01- 08.04.01-
Operator-valued Fourier multiplier theorems and geometry of Banach spaces
NSF-Workshop-in-Linear-Analysis-and-Probability-(SUMIRFAS)-
Texas-A&M-University-

28.- 06.28.01-—06.29.01- 06.29.01-
Fourier multiplier theorems and geometry of Banach spaces
Operator-valued-Multiplier-Theorems-and-Functional-Calculi-
Technical-University-Delft,-Netherlands-

27.- 09.22.00-—09.28.00- 09.22.00-
Dual Banach spaces which contain an isometric copy of L_1
Fourth-International-Conference-on-Functional-Analysis-
and-Approximation-Theory-
Acquafredda-di-Maratea,-Italy-

26.- 07.00-—08.00- 08.15.00-
The dual of the James tree space is asymptotically uniformly convex
NSF-Workshop-in-Linear-Analysis-and-Probability-
Texas-A&M-University-

25.- 07.21.00-—07.22.00- 07.22.00-
Dual Banach spaces which contain an isometric copy of L_1
TULKA-Banach-Space-Weekend-
Universität-Karlsruhe,-Germany-

24.- 10.08.99-—10.10.99- 10.09.99-
Dual Banach spaces which contain an isometric copy of L_1
AMS-Regional-Meeting:-Special-Session-on-Banach-
and-Operator-Spaces:-Isomorphic-and-Geometric-Structures-
University-of-Texas,-Austin-

23.- 07.99-—08.99- 08.03.99-
Geometric properties of Banach spaces
NSF-Workshop-in-Linear-Analysis-and-Probability-
Texas-A&M-University-

22.- 08.10.98-–08.14.98- 08.13.98-
The fine line between ℓ_1 embedding into a Banach space $\mathfrak{X}$ and $\mathfrak{X}^*$ failing the Schur property: biorthogonal systems
Geometric-Aspects-Of-Fourier-and-Functional-Analysis-
University-of-Kiel,-Germany-

21.- 07.24.98-–07.26.98- 07.25.98-
Banach spaces whose duals contain L_1 isometrically
NSF-Workshop-in-Linear-Analysis-and-Probability-(SUMIRFAS)-
Texas-A&M-University-

20.- 07.97-–08.97- 08.11.97-
A Positive Answer to the Basis Problem for Banach Spaces
NSF-Workshop-in-Linear-Analysis-and-Probability-
Texas-A&M-University-

19.- 03.21.97-–03.22.97- 03.21.97-
Differentiability of the integral of Banach space valued functions
AMS-Regional-Meeting:-Special-Session-on-Harmonic-Analysis-and-Convexity-
University-of-Memphis-

18.- 11.01.96-–11.03.96- 11.02.96-
On Banach spaces that contain ℓ_1
AMS-Regional-Meeting:-Special-Session-on-Banach-Spaces-and-Related-Topics-
University-of-Missouri-at-Columbia-

17.- 10.05.96-–10.06.96- 10.06.96-
wc_0^*-Biorthogonal Systems
AMS-Regional-Meeting:-Special-Session-on-Geometric-Functional-Analysis-
Rider-University,-Lawrenceville,-NJ-

16.- 07.96-–08.96- 08.07.96-
A Fine Line
NSF-Workshop-in-Linear-Analysis-and-Probability-
Texas-A&M-University-

15.- 02.20.96-–02.23.96- 02.20.96-
Completely continuous operators
Concentration-in-Infinite-dimensional-Convex-Geometry-
MSRI,-Berkeley-

14.- 09.09.95-–09.10.95- 09.10.95-
Universal Non-Completely-Continuous Operators
(a-principal-one-hour-address)-
Wabash-Extramural-Modern-Analysis-Miniconference-
Indiana-University-—-Purdue-University-at-Indianapolis-

13.- 08.11.95-–08.13.95- 08.12.95-
Completely continuous operators on L_1
NSF-Workshop-in-Linear-Analysis-and-Probability-(SUMIRFAS)-
Texas-A&M-University-

12.- 07.95-–08.95- 07.31.95-
On various modes of scalar convergence in $L_0(\mathfrak{X})$-
NSF-Workshop-in-Linear-Analysis-and-Probability-
Texas-A&M-University-

11.- 05.24.95-–05.26.95- 05.24.95-
Universal Non-Completely-Continuous Operators
AMS–IMU-Joint-Meeting:-Special-Session-on-Functional-Analysis-
Jerusalem,-Israel-

10.- 07.94-–08.94- 07.28.94-
An application of a Pisier factorization theorem to the Pettis integral
NSF-Workshop-in-Linear-Analysis-and-Probability-
Texas-A&M-University-

9.- 10.22.93-–10.23.93- 10.22.93-
The complete continuity property and finite dimensional decompositions
AMS-Regional-Meeting:-Special-Session-on-
the-geometry-of-Banach-spaces-and-operator-spaces-
Texas-A&M-University-

8.- 07.93-–08.93- 07.08.93-
The Pettis Norm
NSF-Workshop-in-Linear-Analysis-and-Probability-
Texas-A&M-University-

7.- in-05.93- in-05.93-
Think Globally, Act Locally
Functional-Analysis-Conference-
Kent-State-University,-Kent,-OH-

6.- 01.13.93-–01.16.93- 01.15.93-
From weak to strong types of L_1 convergence
AMS-Annual-Meeting:-Special-Session-in-Banach-Space-Theory-
San-Antonio,-TX-

5.- 08.24.92-–08.28.92- 08.27.92-
From weak to strong types of L_E^1-convergence by the Bocce-criterion
International-Conference-on-Functional-Analysis-
Mons,-Belgium-

4.- 07.92-–08.92- 07.10.92-
Weak Compactness in $L_1(\mathfrak{X})$-
NSF-Workshop-in-Linear-Analysis-and-Probability-
Texas-A&M-University-

3.- 03.20.92-–03.21.92- 03.20.92-
Bounding zeros of H^2 functions via concentrations
AMS-Regional-Meeting:-Special-Session-in-Harmonic-Analysis-
Springfield,-MO-

2.- 05.02.91-–05.04.91- 05.02.91-
Zeros of H^p functions
International-Conference-–-KSU-&-ICM-
Paris,-France-

1.- 06.12.89-–06.17.89- 06.12.89-
Dunford-Pettis Operators on L_1
The-Conference-on-the-Geometry-of-Banach-Space-
Strobl,-Austria-

CONTRIBUTED CONFERENCE ADDRESSES

2.- 06.11.91-–06.16.91- 06.14.91-
Bounding zeros of H^p functions via concentrations
Banach-Space-Conference-
Jerusalem,-Israel-

1.- 01.17.90-–01.20.90- 01.19.90-
Dentability, Trees, and Dunford-Pettis Operators on L_1
AMS-Annual-Meeting-
Louisville,-KY-

OTHER CONFERENCES ATTENDED

9.- Asymptotic-Geometric-Analysis- 06.24.05-–06.27.05-
Dead-Sea,-Israel-

8.- Spectral-Theory-in-Banach-Spaces-and-Harmonic-Analysis- 07.25.04-–07.31.04-
Mathematisches-Forschungsinstitut-Oberwolfach,-Germany-

7.- Banach-Spaces-and-Applications- 10.17.03-—10.18.03-
Universtiy-of-Memphis-

6.- Journée-Calcul-Fonctionnel-et-Applications- 06.05.03-
Besançon,-France-

5.- Third-International-ISAAC-Congress- 08.20.01-—08.25.01-
Freie-Universität-Berlin,-Germany-
(coauthor-presented-our-joint-paper)-

4.- AMS-Sectional-Meeting:-Special-Session-on-Banach-Spaces- 03.16.01-—03.18.01-
University-of-South-Carolina-at-Columbia-
(conference-co-organizer)-

3.- Evolution-Equations-2000:- 10.30.00-—11.04.00-
Applications-to-Physics,-Industry,-Life-Sciences-and-Economics-
Trento,-Italy-

2.- AMS-Regional-Meeting:-Special-Session-on-Modern-Banach-Space-Theory 10.17.97-—10.19.97-
Georgia-Institute-of-Technology,-Atlanta,-GA-
(conference-co-organizer)-

1.- Conference-on-Local-Theory-of-Banach-Spaces-and-Related-Topics- 09.05.93-—09.11.93-
Ascona,-Switzerland-

SUMMARY OF PARTICIPATION IN OTHER SCHOLARLY ACTIVITIES
while on Fellowships/Leaves

Universität-Karlsruhe,-Germany- 07.00–present-
Regular-TULKA-(Tübingen,-Ulm,-Karlsruhe)-meetings-and-seminars.-

NSF-Summer-Workshops-at-Texas-A&M-University- Summers-92–01-
Special-concentrations-and-annual-SUMIRFAS-conferences.-

MSRI,-Berkeley- Spring-96-
Several-concentrations-and-workshops.-

ICM,-Paris- AY-90–91-
Various-seminars-(e.g.-Laurent-Schartz-Seminar-and-Bourbaki-Seminar).-

MANUSCRIPTS & GRANT PROPOSALS REVIEWED

2005:- Advances-in-Mathematics- 176-
Elsevier-Science-Publishers- 175-
Indian-Academy-of-Sciences-Proceedings- 174-
Journal-of-Mathematical-Analysis-and-Applications- 173-
McGraw-Hill-Publishers- 172-

2004:- National-Science-Foundation- (x60)- 112–171-
National-Science-Foundation- (x58)- 54–111-

2003:- Studia-Mathematica- 53-
National-Science-Foundation- (x2)- 51–52-
United-States-- Israel-Binational-Science-Foundation- 50-

2002:- Mathematische-Annalen- 49-

2001:- Houston-Journal-of-Mathematics- 48-
National-Science-Foundation- 47-
Proceedings-of-the-American-Mathematical-Society- 46-

2000:- Indian-Journal-of-Pure-and-Applied-Mathematics- 45-
National-Science-Foundation- 44-
Proceedings-of-the-American-Mathematical-Society- 43-

1999:- Indian-Journal-of-Pure-and-Applied-Mathematics- 42-
Journal-of-Constructive-Approximation- 41-
Journal-of-Functional-Analysis- 40-

	Journal-of-Mathematical-Analysis-and-Applications-	39-
	Prentice-Hall-	38-
	Proceedings-of-the-American-Mathematical-Society-	37-
1998:-	Archiv-der-Mathematik-	36-
	Indian-Journal-of-Pure-and-Applied-Mathematics-	35-
	Illinois-Journal-of-Mathematics-	34-
	Journal-of-Functional-Analysis-	33-
	Proceedings-of-the-American-Mathematical-Society-	32-
	Topology-and-Applications-	31-
1997:-	Collectanea-Mathematica-	30-
	Illinois-Journal-of-Mathematics-	29-
	Indian-Journal-of-Pure-and-Applied-Mathematics-	28-
	National-Science-Foundation- (x3)-	25–27-
	Proceedings-of-the-American-Mathematical-Society-	24-
1996:-	Academic-Press-	23-
	National-Science-Foundation- (x4)-	19–22-
	Proceedings-of-the-American-Mathematical-Society-	18-
	Serdica- (x2)-	16–17-
1995:-	Analysis-Mathematica-	15-
	Illinois-Journal-of-Mathematics-	14-
	Mathematica-Japonica-	13-
	Real-Analysis-Exchange-	12-
	Rocky-Mountain-Journal-of-Mathematics-	11-
1994:-	Journal-of-Mathematical-Analysis-and-Applications-	10-
	National-Academy-of-Sciences-	9-
	Proceedings-of-the-American-Mathematical-Society-	8-
1993:-	Journal-of-Mathematical-Analysis-and-Applications-	7-
	National-Science-Foundation-	6-
	Proceedings-of-the-American-Mathematical-Society-	5-
1992:-	Illinois-Journal-of-Mathematics-	4-
	Journal-of-Mathematical-Analysis-and-Applications-	3-
	Proceedings-of-the-American-Mathematical-Society-	2-
1991:-	Proceedings-of-the-American-Mathematical-Society-	1-

TEACHING

COURSES TAUGHT
at USC

The below chart summaries Girardi's:

- ▷ teaching assignments
- ▷ marks on her College of Science and Mathematics teaching evaluations

during her time at USC. The Department Average takes into account all mathematics courses taught at USC-Columbia for which the COSM teaching evaluations were distributed. As customary, Girardi did not distribute teaching evaluations in courses with only one student or numbered above 797.

Since 96 Fall, the STUDENT EVALUATIONS mark is:

- ▷ Overall Performance of the Instructor: usually # 16 from the COSM teaching evaluation form.

Prior to 96 Fall, the STUDENT EVALUATIONS mark is the arithmetic average of:

- ▷ Instructors Overall Performance: # 17 from the COSM teaching evaluation form
- ▷ Overall Average: based on # 8–16 from the COSM teaching evaluation form.

The range of response is: 0 (low) to 4 (high).

				STUDENT EVALUATIONS		
TERM	COURSE	COURSE TITLE	ENROLLMENT	RESPONDENTS	MG	DEPT
06 Sp:	Math 142	Calculus II	62			
	Math 300	Transition to Advanced Math.	14			
05 Fall:		dept. one course release for research				
	Math 142	Calculus II	53			
05 Sp:		on leave from USC				(3.094)
04 Fall:	Math 141	Calculus I	42	25	3.080	2.868
	Math $^{552}_{752i}$	Complex Variables	23	19	3.632	2.868
04 Sp:		on leave from USC				(2.947)
03 Fall:	Math 142	Calculus II	58	42	3.310	2.874
	Math 300	Transition to Advanced Math.	11	8	3.500	2.874
03 Sp:	Math 142	Calculus II	59	32	3.250	2.985
	Math $^{555}_{704i}$	Analysis II	9	8	3.750	2.985
	Math 899	Dissertation Preparation	1			
02 Fall:	Math 241	Calculus III	43	20	3.550	3.017
	Math $^{554}_{703i}$	Analysis I	19	11	3.900	3.017
	Math 798	Dir. Reading & Research	1			
	Math 899	Dissertation Preparation	1			
02 SmII:	Math 899	Dissertation Preparation	1			
02 Sp:		on leave: Humboldt Fellowship				(3.002)
	Math 899	Dissertation Preparation	1			
01 Fall:		on leave: Humboldt Fellowship				(2.956)
	Math 899	Dissertation Preparation	1			
01 Sp:		on sabbatical				(3.218)
	Math 899	Dissertation Preparation	1			
00 Fall:		on sabbatical				(2.862)
	Math 899	Dissertation Preparation	1			
00 SmII:	Math 899	Dissertation Preparation	1			
00 SmI:	Math 798	Dir. Reading & Research	1			
	Math 899	Dissertation Preparation	1			
00 Sp:		dept. one course release for research				
	Math 550	Vector Analysis - APOGEE	16	14	3.43	3.03

continued ⟹

continued

TERM	COURSE	COURSE TITLE	ENROLLMENT	STUDENT EVALUATIONS RESPONDENTS	MG	DEPT
	Math-798-	Dir.-Reading-&-Research-	1-			
	Math-899-	Dissertation-Preparation-	1-			
99-Fall:-	Math-141-	(Reformed)-Calculus-I-	28+29-	23-	3.22-	2.99-
	Math-141-	(Reformed)-Calculus-I-	24+20-	25-	2.68-	2.99-
	Math-599-	Topics-in-Math.-	1-			
	Math-798-	Dir.-Reading-&-Research-	1-			
	Math-899-	Dissertation-Preparation-	1-			
	SCCC-499-	Senior-Thesis-	1-			
99-SmI:-	Math-599-	Topics-in-Math.-	1-			
99-Sp:-	Math-300X-	Transition-to-Advanced-Math.-	5-	5-	3.80-	2.99-
	Math-550-	Vector-Analysis- - APOGEE	12-	10-	3.60-	2.99-
	Math-798-	Dir.-Reading-&-Research-	1-			
	Math-899-	Dissertation-Preparation-	1-			
98-Fall:-	Math-142H-	Honors-Calculus-II-	19-	19-	3.16-	2.79-
	Math-554-	Analysis-I-	13-	9-	2.78-	2.79-
	Math-798-	Dir.-Reading-&-Research-	1-			
	Math-899-	Dissertation-Preparation-	1-			
98-SmII:-	Math-899-	Dissertation-Preparation-	1-			
98-Sp:-	Math-550-	Vector-Analysis- - APOGEE	12-	12-	3.58-	2.94-
	Math-704-	Analysis-II-	9-	9-	3.67-	2.94-
	Math-899-	Dissertation-Preparation-	1-			
97-Fall:-	Math-122-	(Reformed)-Calculus-I-	61-	37-	2.49-	2.66-
	Math-703-	Analysis-I-	15-	9-	4.00-	2.66-
	Math-899-	Dissertation-Preparation-	1-			
97-Sp:-		dept. one course release for research				
	Math-550-	Vector-Analysis- - APOGEE	20-	18-	3.50-	not available
	Math-890-	Graduate-Std.Seminar-(*overload*)	6-			
	Math-899-	Dissertation-Preparation-	1-			
96-Fall:-	Math-141-	(Reformed)-Calculus-I-	55-	35-	3.40-	2.75-
	Math-$\frac{554}{703i}$	Analysis-I-	15+3-	13-	3.38-	2.75-
	Math-798-	Dir.-Reading-&-Research-	1-			
		CHANGE OF EVALUATION FORM				
96-SmII:-	Math-798-	Dir.-Reading-&-Research-	1-			
96-Sp:-		on leave: MSRI Fellowship				
	Math-799-	Thesis-Research-	1-			
95-Fall:-	Univ-101-	PRC-University-101-	16-	11-	2.57-	3.05-
	Math-122-	(Reformed)-Calculus-I-	77-	35-	2.92-	3.05-
	Math-798-	Dir.-Reading-&-Research-	1-			
95-Sp:-	Math-550-	Vector-Analysis- - APOGEE	28-	17-	3.74-	3.42-
	Math-704-	Analysis-II-	8-	8-	3.82-	3.42-
94-Fall:-	Univ-101-	COSM-University-101-	24-	20-	3.62-	3.17-
	Math-703-	Analysis-I-	17-	12-	3.83-	3.17-
94-Sp:-		one course release: Lilly Fellowship				
	Math-550-	Vector-Analysis- - APOGEE	25-	12-	3.75-	3.30-
93-Fall:-	Math-142-	Calculus-II-	35+36-	44-	2.95-	3.12-
	Math-$\frac{554}{703i}$	Analysis-I-	7+2-	7-	3.85-	3.12-
	Math-798-	Dir.-Reading-&-Research-	1-			
93-Sp:-	Math-550-	Vector-Analysis- - APOGEE	22-	12-	3.31-	3.08-

continued

⟸ continued				STUDENT EVALUATIONS		
TERM	COURSE	COURSE TITLE	ENROLLMENT	RESPONDENTS	MG	DEPT
	Math-757-	Functional-Analysis-II-	6-	6-	3.86-	3.08-
92-Fall:-	Math-241H-	Honors-Calculus-III-	16-	12-	3.19-	3.09-
	Math-756-	Functional-Analysis-I-	7-	6-	3.49-	3.09-
92-Sp:-		one course release: hiring package				
	Math-$\frac{554}{703i}$	Analysis-I-	23+6-	19-	3.69-	3.17-
91-Fall:-	Math-142-	Calculus-II-	80-	40-	2.77-	2.98-
	Math-221-	Concepts-of-Elem.-Math.-I-	28-	20-	2.72-	2.98-

COURSES TAUGHT
elsewhere than at USC

Universität-Karlsruhe-—-International-Department- Spring-05-
Advanced-Mathematics-II-(second-semester-undergraduate-students)-

Universität-Karlsruhe-—-Department-of-Mathematics- Spring-04-
Harmonic-Analysis-(second-semester-graduate-students)-

Universität-Karlsruhe-—-Department-of-Mathematics- Spring-02-
Fourier-Analysis-(second-semester-graduate-students)-

Universität-Karlsruhe-—-International-Department- Fall-01-
Advanced-Mathematics-IH-(third-semester-undergraduate-students)-

COURSE DEVELOPMENT

A-Transition-to-Advanced-Mathematics-- Math-300-
Developed-and-taught-as-an-experimental-course-Spring-1999.-
Obtained-University-approval-for-a-regularly-offered-permanent-course,-starting-Fall-2003-

POST-DOCTORAL FELLOW ADVISOR

Dr.-Cornelia-Kaiser;-08.02-—08.03-
Alexander-von-Humboldt-Foundation-*Feodor Lynen Research Fellowship*
Humboldt-co-host-with-Dr.-Anton-Schep-

GRADUATE STUDENT RESEARCH SUPERVISION

PhD-Advisor- (mathematics-department)-

Michael-Coco;-08.98-—05.03-
PhD-Degree-Awarded:-May-2003-
Dissertation-Title:-*Structures in Banach spaces: biorthogonal systems and frames*

David-Mitra;-05.98-—08.00-
PhD-Degree-Awarded:-August-2000-
Dissertation-Title:-*Sequences that are unconditionally basic in both l_1 and l_2*

Masters-Advisor- (mathematics-department)-

David-Mitra;-08.95-—05.98-
Masters-Degree-Awarded:-May-1998-
Thesis-Title:-*Some trees constructed by Roberts, Bourgain, and Rosenthal from independent, equidistributed random variables that are close to zero in measure*

Committee-Member- (other-departments)-

Arthur-Bernard-Mark;-Fall-97-—present-
College-of-Education,-PhD-candidate-in-Secondary-Education-(Math)-

UNDERGRADUATE STUDENT RESEARCH SUPERVISION

Leonard (Bucky) R. Gardner III; 05.15.99 — 05.05.00
SC Honors College Senior Thesis
A Study of the General Lebesgue Integral

Anita Wilson; 05.03.99 — 06.18.99
EPSCoR Summer Undergraduate Research Program
Reformed Calculus

SEMINARS & TALKS
given to student audiences

Proseminar Analysis Universität Karlsruhe; Schauinsland, Germany	02.01.02 — 02.03.02
Convex Functions Give Inequalities	02.02.02
Proseminar Analysis Universität Karlsruhe; Schauinsland, Germany	06.08.01 — 06.10.01
Convex Functions Give Inequalities	06.09.01
Math Awareness Week Colloquium; USC-Aiken	03.21.92 — 03.27.92
The Fundamental Theorem of Calculus and Bow Ties	04.26.92
Dreher High School; Columbia, SC	
Careers in Math	in 02.92
Student Math Colloquium; Williams College, Williamstown, MA	
Bow Ties	in 02.90

TEACHING GRANTS
while at USC

USC internal sources — AY 95–96
Lilly Conference on College Teaching — South; Columbia, SC — 05.16.96 — 05.19.96
principal investigator — conference co-director
funds to cover conference registration fees for other USC participants
total funding of $1,750 from the following sources:

$ 750. Provost's Instructional Development Fund — Fall 1995
$1,000. Dean Odom, College of Science and Mathematics

USC internal sources — AY 94–95
Lilly Conference on College Teaching — South; Columbia, SC — 06.02.95 — 06.04.95
principal investigator — conference co-director
funds to cover conference registration fees for other USC participants
total funding of $2,831 from the following sources:

$ 894. Provost's Instructional Development Fund — Fall 1994
$ 894. Dean Odom, College of Science and Mathematics
$ 447. Dean Ishler, College of Education
$ 596. Dean Lefton, College of Humanities and Social Sciences

TEACHING DEVELOPMENT ACTIVITIES ATTENDED

The FYE 18$^{\text{th}}$ Annual National Conference; Columbia, SC	02.19.99 — 02.23.99
USC Calculus Workshop	05.02.97
directed by William McCallum, University of Arizona	
The FYE 16$^{\text{th}}$ Annual National Conference; Columbia, SC	02.22.97 — 02.25.97
Lilly Conference on College Teaching — South; USC	05.17.96 — 05.19.96
Writing Evaluation Training Session; USC	06.28.95
directed by Lynn Glander, USC Writing Assessment Program	

Lilly Conference on College Teaching — South; USC	06.02.95 — 06.04.95
Lilly Workshop: Fostering Critical Thinking; USC directed by Craig Nelson, Biological Sciences, Indiana University	06.02.95
Lilly Working Session: Teaching Effectiveness; USC directed by Prof. Cowart and Dean Odom	04.13.95
Lilly Conference on College Teaching — West; Lake Arrowhead, CA delivered a presentation: *Group Projects*	03.02.95 — 03.05.95
The FYE 14$^{\text{th}}$ Annual National Conference; Columbia, SC	02.18.95 — 02.21.95
Speaker at the 1994-95 Lilly Program Orientation	08.23.94
USC Workshop: The Teaching Experience, University 101	05.16.94 — 05.20.94
Lilly Endowment Teaching Fellows Conference; New Harmony, IN	04.08.94 — 04.10.94
SCAMP Workshop: Teaching Minorities in Mathematics; USC directed by Prof. Treisman, University of Texas at Austin	in 03.94
Lilly Endowment Teaching Fellows Conference; Indianapolis, IN	11.05.93 — 11.07.93
USC Lilly Teaching Fellows monthly seminars	AY 93-94

SERVICE

USC COMMITTEES

(* indicates chairmanship)

DEPARTMENT

- Committee-of-Tenured-Faculty-
  96–present;-97–98*
- Committee-of-Tenured-Full-Professors-
  F03–present-
- Department-Chairman-Search-Committee-
  93–94-
- Faculty-Advisory-Council-
  91–92,-93–94,-94–95,-F95,-96–97,-97–98,-98–99,-99–00*,-05–06-
- Faculty-Mentors-
  F03–present-(Vraciu)-
- Graduate-Comprehensive-Examination-Committee-
  F93,-F00,-F04-
- Graduate-Recruiting-Committee-
  F03*
- Hiring-Committee-(and-Affirmative-Action-Advocate)-
  92–93-
- Peer-Review-of-Teaching-Committees-
  02–03-(T),-F04-(F1)*
- PhD-Admission-to-Candidacy-Qualifying-Examination-Committee-
  F94,-S95,-F95,-S96,-F96,-F98,-S99,-S00,-F04-
- Pi-Mu-Epsilon-Faculty-Advisors-
  02–03*,-F03*,-F04*,-05–06*
- Post-Tenure-Review-Committee-
  99–00,-05–06-
- Undergraduate-Advisors-
  91–92,-92–93,-93–94,-94–95,-F95,-02–03-
- Undergraduate-Advisory-Council-
  02–03-
- Ad-Hoc-Committee-to-Evaluate-Undergraduate-Program-
  03-

COLLEGE

- Committee-to-reformulate-the-COSM-teaching-evaluations;- F95-

UNIVERSITY

- Advisory-Committee-on-Women's-Issues;- 98–99-
  - Employment-and-Personnel-Issues-
    98–99-
- Faculty-Committee-on-Instructional-Development;- 94–95,-F95,-96–97-
  - Mungo-Teaching-Award-Selection-Committee-
    94–95,-96–97*
  - The-Carolina-Teaching-Fellows-Program-Development-Committee-
    94–95,-F95*,-96–97*
- Faculty-Senator;- F04-

Lilly Teaching Fellows Program Selection Committee; S94

Preston Residential College; Fall 1994 — Fall 2005
Faculty Associate
94–95, F95, 96–97, 97–98, 98–99, 99–00, 02–03, F03, F04, F05
Faculty Advisory Committee
94–95, F95, 96–97, 97–98, 98–99, 99–00

CONFERENCE ORGANIZING COMMITTEES

TULKA Internet Seminar: *Functional Calculus and Differential Operators* 06.16.02 — 06.22.02
Blaubeuren, Germany
member of the Isem team Karlsruhe

AMS Sectional Meeting: *Special Session on Banach Spaces* 04.16.01 — 04.18.01
University of South Carolina at Columbia
co-organizer with Profs. George Androulakis and S. J. Dilworth

TULKA Banach Space Weekend Conference 07.21.00 — 07.22.00
Universität Karlsruhe, Germany
co-organizer with Prof. Lutz Weis

AMS Regional Meeting: *Special Session on Modern Banach Space Theory* 10.17.97 — 10.19.97
Georgia Institute of Technology, Atlanta, GA
co-organizer with Prof. S. J. Dilworth

Lilly Conference on College Teaching — South 05.17.96 — 05.19.96
Columbia, SC
Lilly South Review Committee
Assistant Editor of the Proceedings
Conference Co-Director

Lilly Conference on College Teaching — South 06.02.95 — 06.04.95
Columbia, SC
Lilly South Review Committee
Assistant Editor of the Proceedings
Conference Co-Director

Twenty-seventh Spring Topology Conference 03.11.93 — 03.13.93
University of South Carolina at Columbia
co-organizer with Profs. Nyikos and Stephenson

FURTHER PRESTON RESIDENTIAL COLLEGE SERVICE

Brainstorming Committee; Su/F94
Committee to write the position statement for the Principal of the PRC; F94
Search Committee for the Principal of the PRC; F94, F97
Advisement Fair; F96, S97
Faculty Mentor; 98–99, 99–00

Undergraduate advisor for PRC mathematics majors:
Erin Flickinger; Fall 99 — Summer 00
Geoffrey Dillon; Fall 98 — Spring 00
Tommy Cramer; Spring 98 — Summer 00

Preston Seminar: Are Your Lights On? Problem Solving à la Preston; 02.16.00
What's universal about solving math problems with sophomore math major Erin Flickinger

OTHER EXTRACURRICULAR STUDENT ACTIVITY INVOLVEMENT

USC's Dance Program and Conservatory:
Stage Manager for *Dorothy and the Land of Oz*; 04.24.00
Stage Manager for *A Tribute to Elvis*; 02.26.00

Stage Manager for *A Tribute to Frank Sinatra*; S99
Faculty Chair of the Publicity Committee for the Spring 99 Student Ballet; F99
Costume Mistress for *Alice's Adventures in Wonderland*; 04.18.98—04.19.98
Group leader for the USC First Year Reading Experience; 08.21.95
Mentor for the Carolina Scholars; 97–98, 99–00
Volunteer at Earth Day Festival '99; USC School of the Environment and S.A.G.E., 04.22.99
USC Office of Women's Student Services Mentoring Network Program; F95, 97–98, 98–99
Women in the Mathematical Sciences Gatherings Committee; S95
South Area Non-Resident Faculty Fellow; AY 94-95

OTHER SERVICE TO USC

Assisted with the SC State High School Mathematics Contest; 93, 94, 95, 96, 98, 00
Visited and provided feedback on TA taught classes at the request of the Graduate Advisor; F92, F93, F96, F98, F99
South Carolina Honors College Interviewer; S99
Reference letters written for students: 105