

CURRICULUM VITAE

December 2009

Ilijas Farah, Professor
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Degrees: Ph.D. in Mathematics, University of Toronto, 1997
M.D. in Mathematics, University of Belgrade, 1992
B.D. in Mathematics, University of Belgrade, 1988

Employment history:

2006–present Associate Professor, York University
2002–2006 Assistant Professor, York University
2000–2003 Assistant Professor, CUNY–Graduate center and College of Staten Island
1999–2000 Hill Assistant Professor, Rutgers University
1997–1999 NSERC Postdoctoral Fellow, York University
1997–present Member of the Mathematical Institute of the Serbian Academy
of Sciences and Arts
1993–1997 Graduate student, University of Toronto
1990–1993 Teaching Assistant, University of Belgrade, Yugoslavia
1988–1990 Research Fellow, Institute For Nuclear Sciences, Vinca, Yugoslavia

Visiting Positions:

- [1] Invited visitor at the Mittag-Leffler Institute, Fall 2009.
- [2] Invited Professor at Université Paris 7, Spring 2009.
- [3] Invited Professor at IHES, Bures-sur-Yvette, France, July 2008.
- [4] Member of the Fields Institute, Toronto, Fall 2007.
- [5] Invited Visiting Professor at the Kobe University, Japan, November 2006.
- [6] Invited Visiting Professor at The Erwin Schroedinger International Institute for Mathematical Physics, Vienna, December 6–16, 2004.
- [7] Invited Visiting Professor, Christian-Albrechts-Universität zu Kiel, Germany, April 16–23, 2004.
- [8] Member of the Fields Institute, Toronto, Fall 2002.
- [9] Invited Professor at IHES, Bures-sur-Yvette, France, June 2002.
- [10] Invited Professor at CNRS/Université Paris 7, Summer 2001.

Invited one-week visits:

- [1] Cornell University, April 2008.
- [2] University of Illinois at Urbana–Champaign, April 2008.
- [3] Washington University in St. Louis, February 2007.
- [4] Université Paris 7, Paris, France, September 2006.
- [5] University of Münster, Münster, Germany, September 2006.

- [6] Miami University, Oxford, Ohio, April 2006.
- [7] University of Illinois at Urbana–Champaign, May 2005.
- [8] UCLA, August 2001.
- [9] University of Indiana at Bloomington, March 2000.
- [10] Caltech, February 1998.

Academic honors:

- Dean’s award for outstanding research, Spring 2006
- Sacks prize for the best doctorate in Mathematical Logic in 1997
(co-recipient with Dr. T. Scanlon, Harvard University)
- Governor General’s Gold Medal for one of the two
best doctorates at the University of Toronto, 1998
- The Canadian Association for Graduate Studies/University Microfilms International
Distinguished Dissertation Award, for the best dissertation
in engineering, medicine and the natural sciences in Canada, 1998

Scholarly and Professional Academic Activities

- [1] Co-organizing (with David Kerr, Texas A&M) a concentration week on Set theory and Functional Analysis at the Texas A&M SUMIRFAS, August 2010.
- [2] Co-organized (with J.D. Hamkins, CUNY) special session in Set Theory at the European Logic Colloquium, Wrocław, July 2007.
- [3] Organized Toronto Set Theory Seminar 1997–1999 and 2003-2006.
- [4] Organized Mini-conference in Set Theory at the Fields Institute, March 2005.
- [5] Co-organized, with Vladimir Pestov (University of Ottawa), special session in General Topology and Topological Algebra at the joint CMS-CAIMS meeting, Dalhousie University, June 2004.
- [6] Co-organized, with Alan Dow (UNC Charlotte), special session in General Topology at the Spring Topology and Dynamical Systems Conference 2003.
- [7] Co-organized, with A.S. Kechris (Caltech) and G. Hjorth (UCLA), a conference on Descriptive Set Theory and Analysis, Fields Institute, Toronto, October 2002.
- [8] Organized a special subsession on the topology of βN at the Summer Topology Conference at CUNY–City College, July 2001.
- [9] Member of the Review Panel at the University Committee on Research Awards, CUNY, 2001/2002.

Invited Addresses:

- Invited speaker at the Oberwolfach meeting on C*-algebras, March 2010.
- Invited speaker at the Penn State University Department of Mathematics
Colloquium, January 2010
- Invited three-lecture mini-course at the workshop on Combinatorial set theory and forcing theory
Research Institute for Mathematical Sciences, Kyoto, November 11–16, 2009.
- Invited speaker at the MAMLS meeting, Rutgers University, October 2009.
- Invited plenary speaker, Logic Colloquium 2009, Sofia. Bulgaria, August 2009.
- Invited plenary speaker at the 11th Asian Logic Conference,

Singapore, June 22-27

Invited speaker at the 2009 Vienna Set Theory Workshop, June 14–21, 2009

Invited speaker at a special session on Dynamics of Large Groups and Semigroups
CMS Winter Meeting, December 2008, Carlton University, Ottawa.

Invited three-lecture tutorial at the 10eme Atelier international de theorie des ensembles,
Luminy, France, October 2008

Invited speaker at the Concentration Week on Operator Algebras, Dynamics and Classification,
Texas A&M University, August 2008

Invited speaker at a mini-conference in Set Theory, Institut Henri Poincaré, July 11, 2008

Invited speaker at the Canadian Operator Algebra Symposium (COSy)
Fields Institute, May 2008

Invited speaker at the Fields workshop on Connes embedding problem
University of Ottawa, May 2008

Invited speaker at the Cornell University Department of Mathematics
Colloquium, May 2008

Invited speaker at the Logic and Mathematics 2008 meeting,
University of Illinois Urbana–Champaign, April 2008

Invited speaker at a conference on C^* -algebras and set theory,
University of Florida, Gainesville, March 2008.

Invited workshop leader at the Fifth Appalachian Set Theory workshop at
Carnegie Mellon University, February 2008.

Invited plenary speaker at the Association for Symbolic Logic Winter meeting,
San Diego, January 2008.

Invited speaker at a special session at the Amer. Math. Soc. sectional meeting,
Rutgers University, October 2007.

Invited speaker at the First European Set Theory Meeting, Będlewo, Poland, July 2007.

Invited tutorial at the 6th Panhellenic Logic Symposium, Volos, Greece, 5-8 July 2007

Invited speaker at the workshop on Set Theory of the Reals,
Gainesville, FLA, May 2007.

Invited speaker at the Mathematics Department colloquium,
Washington University in St. Louis, February 2007.

Invited speaker at the 9eme Atelier international de theorie des ensembles,
Luminy, France, October 2006

Invited speaker at the German Mathematical Society meeting
mini-symposium on Set Theory, Bonn, Sept. 18–22, 2006.

Invited speaker at 10th Prague Topological Symposium, Prague, August 2006

Invited speaker at the workshop “Set Theory and Analysis” Torino, 10-12 July, 2006.

Invited Speaker at the Departmental Colloquium, Miami University, Ohio, April 2006.

Invited speaker at the Canadian Mathematical Society meeting
Special session on Set Theory, June 2006.

Invited speaker at the South Eastern Logic Symposium
University of Florida, Gainsville, March 2006

Invited speaker at the conference in the honour of
Menachem Magidor’s 60th birthday, UC Irvine, February 2006

Invited speaker at the Oberwolfach Mengenlehre meeting, December 2005
Invited Speaker at the Logic Colloquium at McMaster University, October 4, 2005.
Invited talk at the Logic seminar, University of Illinois at Urbana–Champaign, may 2005.
Invited plenary speaker, Association for Symbolic Logic Annual Meeting,
Stanford, CA, March 2005
Invited semi-plenary speaker at the Spring Topology and Dynamical Systems Conference
Berry College, GA, March 2005
Invited talk at the The Erwin Schroedinger International Institute
for Mathematical Physics, Vienna, December 2004.
Invited talk at the Kurt Gödel Institute
for Mathematical Logic, Vienna, December 2004.
Invited speaker at a special session, University of North Texas Logic Conference
Denton, TX, October 2004
Invited speaker at the 8eme Atelier international de theorie des ensembles,
Luminy, France, September 2004
Invited speaker at a special session, L.V. Keldysh Centennial Conference,
Moscow, August 2004
Invited speaker at the Barcelona Conference on Set Theory,
Barcelona, September 2003
Invited speaker at the Set theory conference
University of Florida, Gainesville, March 2003
Invited speaker at the 7eme Atelier international de theorie des ensembles,
Luminy, France, September 2002
Invited speaker at a special session, Logic Colloquium 2002,
Muenster, Germany, July 2002
Invited speaker at a special session, Association for Symbolic Logic annual meeting,
Las Vegas, June 2002
Invited speaker at the MAMLS meeting, Rutgers University, October 2001.
Invited speaker at 9th Prague Topological Symposium, Prague, August 2001
Invited speaker at the MSRI Workshop on the Continuum Problem,
UC Berkeley, June 2001
Invited speaker at the 6eme Atelier international de theorie des ensembles,
Luminy, France, September 2000
Invited speaker at the Logic Colloquium 2000, Paris, France, July 2000
Invited speaker at a special session of the Canadian Math. Soc. Meeting,
Hamilton, Ontario, June 2000
Invited speaker at the Oberwolfach Mengenlehre meeting, December 1999
Invited speaker at the Rutgers University MAMLS meeting, October 1999
Invited speaker at a special session of the Summer Topology Conference,
Long Island, August 1999
Invited speaker at the Boise Set theory conference, March 1999
Invited speaker at the Spring Topology conference, Salt Lake City, March 1999
Invited speaker at a special session of the Canadian Math. Soc. Meeting,
Kingston, Ontario, December 1998

Prize address at the CAGS/CGS/UMI conference, Vancouver, December 1998
Invited speaker at a special session of the regional Amer. Math. Soc. meeting,
Winston–Salem, October 1998
Invited speaker at the 5eme Atelier international de theorie des ensembles,
Luminy, France, September 1998
Invited speaker at the Set Theory, Analysis,
and Their Neighbours Meeting, London, September 1998
Invited speaker at a special session of the Prague Logic Colloquium, August 1998
Invited speaker at a special session of the XI Latinoamerican Logic Conference,
Merida, Venezuela, July 1998
Invited speaker at a special session of the XII Summer Topology Conference,
Mexico City, June 1998
Invited speaker at the UCLA Logic Meeting, January 1998
Invited speaker at the 50th Anniversary of the Mathematical Institute Conference,
Belgrade, December 1996

Graduate Supervisions:

- [1] Second referee for the PhD thesis of Philipp Doebler, Universität Münster, 2010.
- [2] PhD thesis co-supervisor (with B. Velickovic, Université Paris 7) for Brice Minaud, starting September 2009.
- [3] PhD thesis supervisor for Saeed Ghasemi, starting September 2009.
- [4] PhD thesis supervisor for Beatriz Zamora-Aviles, September 2003–2009.
- [5] Supervised Master’s Degree projects for Mayra Montalvo (Summer 2008). and Natalie Stoyanov (Winter 2005).
- [6] Jury member at the PhD defense of Matteo Viale, Université Paris 6, September 2006. (Note: Dr. Viale was awarded Sacks prize for the best doctorate in Mathematical Logic in 2006.)
- [7] PhD committee member for Huilan Li, Natasha May, Neil Roger, and Leslie Rose (Dr. Li graduated in 2007).
- [8] Dean’s representative at the PhD thesis defence: Debora DiCaprio’s (April 2004), Fernando Hernandez-Hernandez’s (January 2004).
- [9] Outside examiner in the defense committee at Richard Carr’s final examination for the Ph.D. degree, Columbia University, April 2000.

Postgraduate Supervisions:

Michael R. Oliver, Fall 2005–Winter 2006 (with Juris Steprāns).
Wiesław Kubis, Fall 2003–Winter 2004 (with Paul J. Szeptycki).

Graduate Teaching Experience:

- [1] Forcing, Summer 2010.
- [2] Functional Analysis II, Winter 2010.
- [3] Set Theory and its Applications, York University, Winter 2008.
- [4] Measure Theory, Math 6280, York University, Fall 2005.
- [5] Strong Axioms of Infinity reading course, York University, Summer 2005.

- [6] General Topology, Math 6540, York University, Fall 2004.
- [7] Model Theory reading course, York University, Summer 2004.
- [8] Ramsey Theory and the geometry of Banach spaces (co-teaching with S. Todorcevic), Fields Institute, Fall 2002.
- [9] Mathematical Logic, CUNY Graduate Center, Fall 2000.
- [10] Supervised independent study in set theory and forcing for three graduate students at CUNY–Graduate Center, Fall 2000.

Research funding:

NSERC Discovery grant,		2007–2012
at \$13,000/year	<i>Note: I was the PI and the only investigator on this grant.</i>	
NSERC Discovery grant,		2003–2007
at \$14,500/year	<i>Note: I was the PI and the only investigator on this grant.</i>	
CUNY Collaborative Incentive Grant,		2001–2002
at \$25,280US total.	<i>Note: PI is J.D. Hamkins.</i>	
Dean’s Divisional Reassigned Time for Research	4 credits	2001
PSC-CUNY Grant #62785-00-31		2001
at \$5000US.	<i>Note: I was the PI and the only investigator on this grant.</i>	
NSF grant DMS-0070798		2000–2002
at \$23,933US per year.	<i>Note: I was the PI and the only investigator on this grant</i>	
NSERC Postdoctoral Fellowship		1997/99
Ontario Graduate Scholarship	University of Toronto	1994/95, 1995/96, 1996/97
Connaught Scholarship	University of Toronto	1993/94
York University start-up grant,		2002–present
at \$10,000CAD		

Editor

The Bulletin of Symbolic Logic (2006–present)

Referee for the following:

- [1] Abstract and Applied Analysis,
- [2] American Journal of Mathematics,
- [3] Annals of Pure and Applied Logic,
- [4] The Bulletin of Symbolic Logic,
- [5] Comm. Math. Univ. Carolinae,
- [6] Canadian Journal of Mathematics,
- [7] Fundamenta Mathematicae,
- [8] The Israel Science Foundation,
- [9] Israel Journal of Mathematics,
- [10] Journal of Applied Analysis.
- [11] Journal of the European Mathematical Society
- [12] Journal of Mathematical Logic,
- [13] The Journal of Symbolic Logic.
- [14] Mathematical Logic Quarterly,
- [15] Mathematical Research Letters,

- [16] Memoirs of the American Mathematical Society,
- [17] National Science Foundation (NSF),
- [18] Pacific Journal of Mathematics,
- [19] Proceedings of the London Mathematical Society,
- [20] Proceedings of the Logic Colloquium '98,
- [21] Proceedings of the American Mathematical Society,
- [22] Small Sets in Analysis conference proceedings,
- [23] Topology Proceedings,
- [24] Topology and its Applications,

Reviews:

- [1] Review of seven papers by G. Debs and J. Saint-Raymond, The Bulletin of Symbolic Logic **10** (2004), 430–434.
- [2] Review of *Topics in Topology* by Stevo Todorćević, The Bulletin of Symbolic Logic **8** (2002) 526–528.

Service:

- [1] File preparation committee for Peter Gibson, summer 2008.
- [2] Category theory hiring committee, Winter 2008.
- [3] Collection of Math 1019 course materials for the Engineering Accreditation, Winter 2006.
- [4] OGS selection panel, Winter 2006.
- [5] Web committee (chair), Fall 2005–Winter 2006.
- [6] Engineering Programme Accreditation Review, Math 1090, January 2005.
- [7] Tenure and Promotion Committee, Faculty of Arts, September 2004–Winter 2006.
- [8] Colloquium Committee, Fall 2004–Winter 2005.
- [9] Research Committee, Faculty of Science and Engineering, September 2004–2005.
- [10] White paper/Future of the Mathematics and Statistics Department committee, 2004.
- [11] Winter Camp committee, January 2004.
- [12] PhD committee, September 2003–Winter 2006, September 2009–present.
- [13] Arts and Graduate School representative at the Atkinson ‘Analysis and algebra’ hiring committee, Winter 2004.

Community Service:

Two 30-minute presentations about Platonic solids and Pythagorean theorem in Mme Kirk’s grade 2/3 class, Room 2, Palmerston Avenue Public School, Toronto, February 2008 and April 2009.