Javad Mashreghi

Curriculum Vitae (extended version)

Education

1996–2001 **Ph.D.**, *McGill University, Department of Mathematics and Statistics*.
Field: Pure Mathematics, Analysis.
Supervisors: Victor Havin & Paul Koosis.
Thesis title: Admissible Majorants for Model Subspaces of H^2.

1991–1993 **M.Sc.**, *University of Tehran, Department of Mathematics and Computer Sciences*.
Field: Pure Mathematics, Analysis.
Supervisor: Arsalan Chademan.
Thesis title: The Hakim–Sibony Theorem on Radial Limits in the Unit Ball.

1986–1991 **B.Sc.**, *University of Tehran, Department of Electrical Engineering*.
Field: Electronics.
Supervisor: Farrokh Arazm.
Project title: The Galerkin Method for Solving Electromagnetic Wave Equations.

Research Interests

- **Spaces of Analytic Functions**, *Hardy Spaces H^p, Dirichlet Spaces $\mathcal{D}_\mu$, de Branges–Rovnyak Spaces $\mathcal{H}(b)$, de Branges Spaces $\mathcal{H}(B)$, Model Spaces K_Θ, Bergman Spaces A^p, BMO, Entire Functions of Exponential Type, Inner Functions, Blaschke Products*.
- **Operator Theory**, *Shift Operator, Composition Operators, Toeplitz Operators, Truncated Toeplitz Operators, Embedding Theorems, Numerical Range, K-Spectral Sets, Local Preservers*.
- **Classical Harmonic Analysis**, *Admissible Majorants, Multiplier Theorems, Singular Integrals, Hilbert Transform, Logarithmic Integral*.
- **Complex Analysis**, *Boundary Behaviour, Growth Estimates, Integral Representations, Carleson Measures*.
- **Matrix Theory**, *Stochastic Matrices, Doubly Stochastic Matrices, Infinite matrices, Loci of Eigenvalues, Determinants*.
- **Potential Theory**, *Capacities, Hausdorff Measures, Hausdorff Dimension, Condensers*.

1960 Boul. Laurier, Québec, QC – Canada G1S 1M8
(418) 656-2976 • (418) 683-1968 • (418) 656-2817
javad.mashreghi@mat.ulaval.ca

Employment History

Academic Positions

2009– **Professeur titulaire (Professor)**, *Laval University*, Québec.

2005–2009 **Professeur agrégé (Associate Professor)**, *Laval University*, Québec.

2001–2005 **Professeur adjoint (Assistant Professor)**, *Laval University*, Québec.

2000–2001 **Lecturer**, *Dawson College*, Montreal.

2000–2001 **Lecturer**, *McGill University*, Montreal.

1998–1999 **Lecturer**, *McGill University*, Montreal.

1996–2000 **Teaching Assistant**, *McGill University*, Montreal.

Long-term Invited/Visiting Positions

2016 **Visiting Professor**, *University of Waterloo*, eight months.

2016 **Visiting Professor**, *York University*, four months.

2015 **Visiting Professor**, *University of Waterloo*, four months.

2015 **Visiting Professor**, *York University*, four months.

2014 **Invited Professor**, *University of Lille 1*, three months.

2013 **Visiting Professor**, *Queen's University*, Department of Electrical and Computer Engineering, one month.

2012 **Visiting Professor**, *University of Syracuse*, one month.

2008 **Visiting Professor**, *University of Kashan*, one month.

2008 **Invited Professor**, *University of Claude Bernard Lyon 1*, one month.

2007 **Invited Professor**, *NTNU, Norway*, four months.

2007 **Visiting Professor**, *University of Delaware*, one month.

2004 **Invited Professor**, *University of Kerman*, one month.

Short-term Visiting Positions

2016 **Visitor**, *Centre de Recerca Matemàtica (CRM)*, Barcelona, two weeks.

2014 **Research Team**, *Banff International research center (BIRS)*, Banff, one week.

2013 **Visitor**, *University of Lille 1*, two weeks.

2012 **Visitor**, *University of Claude Bernard Lyon 1*, two weeks.

2012 **Research Team**, *Centre International de Rencontres Mathématiques, (CIRM)*, Luminy, one week.

2010 **Visitor**, *University of Provence*, Marseille, two weeks.

2010 **Visitor**, *University of Claude Bernard Lyon 1*, two weeks.

2009 **Research Team**, *Centre International de Rencontres Mathématiques, (CIRM)*, Luminy, one week.

2006 **Visitor**, *University of Claude Bernard Lyon 1*, two weeks.

Research Grants and Fellowships

Individual Grants

2018–2022 **NSERC**, *Discovery Grant*, Reproducing Kernel Hilbert Spaces, Matrix Theory, their relations and applications, $140,000.

2017–2018 **NSERC**, *Discovery Grant*, Spaces of analytic functions and their operators, $30,000.

2016–2017 **NSERC**, *Engage*, A Mathematical approach for characterizing the dispersion of $La_{1.8}Sr_{0.2}NiO_4$ filler in Epoxy-based dielectric composite, $25,000.

2012–2017 **NSERC**, *Discovery Grant*, Spaces of analytic functions and their operators, $150,000.

2014 **CNRS**, *Visiting Fellowship*, Fédération de Recherche Mathématique du Nord-Pas de Calais, €11,500.

2007–2012 **NSERC**, *Discovery Grant*, Derivative of functions in de Branges and Dirichlet spaces, $50,000.

2008–2010 **Fonds Racine**, *Private Funding*, Fonds de soutien à la recherche en mathématiques, $70,000.

2007 **U. Lyon I**, *Visiting Grant, President's invitation*, University of Lyon 1, France, €5,000.

2002–2007 **NSERC**, *Discovery Grant*, Moduli of functions in the coinvariant subspaces of H^2, $50,000.

2002–2005 **FCAR**, *Nouveaux Chercheurs*, Multiplier theorems for singular model subspaces, $45,000.

2001–2002 **U. Laval**, *Start up grant*, $15,000.

Team Grants

2020–2022 **NFRFE**, *Mathematical modelling and data analysis, applied to brain aging and Alzheimer's disease*, $250,000.
Team: J. Mashreghi (team leader), A. Bakhshai, N. Doyon, S. Duchense, T. Cheng. (applied for)

2015–2021 **FRQNT**, *Regroupement stratégiques du CRM*, $3,258,000.
Team: L. Vinet (CRM director & team leader), CRM members.

2012–2013 **FRQNT**, *Bourse pour stage international, Regroupement stratégique–SQRI*, $13,855.
Team: F. Lalonde (principal applicant), M. Karaki (candidate), J. Mashreghi (director).

2008–2015 **FRQNT**, *Regroupement stratégiques du CRM*, $4,879,000.
Team: F. Lalonde (CRM director & team leader), CRM members.

2007–2010 **FQRNT**, *Capacity and theory of functions*, $135,000.
Team: J. Mashreghi, T. Ransford (principal applicant), J. Rostand.

2007–2008 **FQRNT**, *Equipment grant*, $19,800.
Team: J. Mashreghi, T. Ransford (principal applicant), J. Rostand.

2003–2008 **FQRNT**, *Regroupement stratégiques du CRM*, $2,620,000.
Team: J. Hurtubise (CRM director & team leader), CRM members.

2003–2004 **FCAR**, *Analytic multifunctions and spectral theory*, $23,000.
Team: L. Baribeau, J. Mashreghi, T. Ransford (principal applicant).

Conference Grants

2016 **CRM-NSF**, *Laval summer school on spectral theory and its applications*, $45,000.
Organizers: C. Beneteau, A. Girourd, D. Khavinson, J. Mashreghi, T. Ransford.

2016 **Fields**, *New trends in approximation theory, in memory of André Boivin*, $20,000.
Organizers: P. Gauthier M. Manolaki, J. Mashreghi.

2013 **CRM**, *Invariant subspaces of the shift operator*, $25,000.
Organizers: E. Fricain, J. Mashreghi, W. Ross.

2011 **Fields**, *Blaschke products and their applications*, $20,000.
Organizers: E. Fricain, J. Mashreghi.

2011 **CRM**, *Complex analysis and potential theory, in honor of Paul Gauthier and Kohur Gowrisankaran*, $37,000.
Organizers: A. Boivin, J. Mashreghi.

2008 **CRM**, *Hilbert spaces of analytic functions*, $21,000.
Organizers: J. Mashreghi, T. Ransford, K. Seip.

2003 **CRM**, *Classical Analysis, in honor of Paul Koosis*, $14,000.
Organizers: G. Dafni, D. Jakobson, J. Mashreghi.

Travel Grants

2009–2010 **Jacques Cartier Center (France)**, *Boundary behavior of a class of analytic functions*, To visit University of Lyon 1, €1,000.

2006–2007 **Jacques Cartier Center (France)**, *de Branges spaces, Bernstein inequality and its applications*, To visit University of Lyon 1, €1,000.

2000–2001 **ISM (Montreal)**, *Institut des Sciences Mathématiques, A formula for the Hilbert transform*, To attend a conference in India, $500.

Doctoral Scholarships and Fellowships

2000–2001 **ISM Scholarship**, *Québec*, $12,000.

1999–2000 **J. W. McConnell McGill Major Fellowship**, *McGill University*, $10,000.

1998–1999 **J. W. McConnell McGill Major Fellowship**, *McGill University*, $10,000.

1997–1998 **ISM Scholarship**, *Québec*, $14,000.

Honors, Awards, Distinctions

- **CMS Fellow**, *Lifetime, from 2019.*
- **CNRS Fellow**, *France, 2014.*
- **Khwarizmi International Award**, *Research Prize of IROST, 2009, declined.*
- **Le Fonds Racine**, *Fondation Laval, Laval University, 2008-2010.*
- **G. de B. Robinson Award**, *Publication Prize of CMS, 2004.*
- **Professeur Étoile (Star Professor)**, *Excellence in Teaching Award, Laval University, new series, years 2012, 2013, 2017.*
- **Professeur Étoile (Star Professor)**, *Excellence in Teaching Award, Laval University, old series, academic years 2002-2003, 2005-2006, 2007-2008, 2009-2010, 2010-2011.*
- **Young Researcher Award**, *Programme établissement de nouveaux chercheurs du FCAR, Québec, 2002.*
- **Ranked 14-th in Concours**, *The National Entrance Exam of Iranian universities for bachelor degree, 1986.*
- **Distinguished Student Award**, *Office of Education and Ethical Affairs, Kashan, 1983.*

Selected Teaching Experience

- Two undergraduate textbooks
- Five graduate textbooks
- Two monographs
- Several course notes
- Seven times granted the title *professeur étoile* (star professor) of the year for excellence in teaching by the Dean of Faculty of Science and Engineering, Laval University
- Long experience of teaching in different
  -*levels* (B.Sc., M.Sc. and Ph.D.),
  -*languages* (Persian, French and English), and
  -*places* (see Academic and Visiting/Invited Positions)

- **Undergraduate courses** lectured (some courses several times)
  -*In English*:
  Calculus, Ordinary Differential Equations

  -*In French*:
  Topologie, Analyse I, Analyse II, Analyse III, Analyse complexe, Complément d'analyse, Introduction à l'analyse, Équations différentielles, Fonctions d'une variable réelle, Mathematiques de l'ingénieur III, Structures algébriques

  -*In Persian*:
  Calculus I, Calculus II, Calculus III, Computer Programming, Electronics Laboratory, Engineering Mathematics, Linear Algebra, Ordinary Differential Equations, Probability Theory

- **Graduate courses** lectured
  -*In English*:
  Advanced Complex Analysis

  -*In French*:
  Topologie, Algèbre commutative, Analyse complexe avancé, Analyse fonctionnelle I, Analyse fonctionnelle, Analyse harmonique, Espaces de Hardy, Fonctions d'une variable complexe, Produits de Blaschke, Théorie de Galois, Théorie des opérateurs, Théorie du potentiel

  -*In Persian*:
  Theory of Hardy Spaces, Dirichlet Spaces

Students

Cegep, FRQNT Summer Award

2017 William Verreault
Catalan numbers and fourier analysis
Cegep Garneau

B.Sc., NSERC Summer Research Project

2020 Ludovick Bouthat
The critical point in norm estimations

2020 William Verreault
Nonlinear harmonic expansions

2019 Ludovick Bouthat
L-matrices as bounded operators on ℓ^2

2016 Julian Ransford
Automatic continuity and the GKZ theorem

2014 Jonathan Godin
Which Oka manifolds are elliptic?

2013 Francis Desjardins
K-Spectral sets

2013 Maxim Dion
Inégalité CBS et ses généralisations

2008 Alexandre Lemire Paquin
Bohr Raduis for polynomials

2008 Jérome Fortier
Hadamard matrices

2007 Jérome Fortier
Hadamard matrices

2007 François Guay
Eigenvalues of bistochastic matrices

2006 François Boulduc
Non-zero residues of finite Blaschke products

2003 Roland Rivard
Bistochastic matrices

2003 François D'Auteuil-Potvin
On singular values of matrices

2001 Olivier Turcotte
Stochastic matrices

B.Sc., ISM Summer Research Project

2013 Mathieu Lavoie

Les polynômes orthogonaux

B.Sc., Final Project (projets de fin d'études)

2020 Ludovick Bouthat
Les matrices binaires

2020 Antoine Poulin
Les abres d'Aronszajn

2019 Rachid El Maanaoui
Les éqaution d'intégrals et la création de l'analyse fonctionnelle

2017 Jean-Philippe Bernard
Les nombres de Catalan

2014 François Boivin
Géometrie hyperbolique
This project won the Department Chair Award

2014 Nicolas Döbeli
Les quatérnions

2013 Mathieu Lavoie
Les polynômes orthogonaux

2012 Martin Richard Cerda
Principe de completude

2011 Éric Poirier
Les racines de polynômes

2011 Michael Vallée
Principe de maximum

2010 Pierrot Jesse Fillion
La dérivée logarithmique

2007 Malik Younsi
Les Séries de Dirichlet
This project won the Department Chair Award

2006 Maggy Pouliot
Les points fixes de transformées analytiques

2005 Samia Lahoweg
Théorème fonfamentale d'algèbre

2002 Eric Pronovost
Produit de Blaschke

M.Sc. (with memoir), supervision

2020–2022 Ludovick Bouthat
Laval University

Other Supervisor: Frédéric Morneau Guérin

2017–2019 Thierry Anselme Kouontchou Tchemb

Laval University

Other Supervisor: Damir Kinzbulatov

2016–2018 Julian Ransford

Les espaces de Hilbert à noyau reproduisant et leurs applications en analyse complexe

Laval University

Recipient of the Governor General Gold Medal

2016–2017 Thierry Anselme Kouontchou Tchemb

The Numerical range

African Institute for Mathematical Sciences, Senegal

2016–2017 Adama Ndoye

Multipliers of ℓ_p spaces

African Institute for Mathematical Sciences, Senegal

2015–2017 Samir Boulafaat

Real Complex functions

Laval University

2014–2015 Francioli Clostone Mahoungou

Zero sets and Uniqueness sets in function spaces

African Institute for Mathematical Sciences, Senegal

2013–2015 Mathieu Lavoie

Polynômes orthogonaux

Laval University

2012–2014 Frédéric Morneau Guérin

L'hypothèse du continu Contexte et conséquences

Laval University

2011–2013 François Laniel

Capacités et espace de Dirichlet

Laval University

2004–2005 Roland Rivard

Sur les valeurs propres des matrices bistochastiques

Laval University

2003–2004 Mahmood Shabankhah

Integral means of the derivatives of Blaschke products and zero sequences for the Dirichlet space

Laval University

Accelerated passage to Ph.D.

M.Sc. (with memoir), cosupervision

2017–2019 Mohamad Cheddadi
Quelques problèmes d'approximation complexe
University of Montreal
Supervisor: P. Gauthier

2017–2018 Salman Davoudi
Lower bounds for the Steklov eigenvalue problem
Laval University
Supervisor: A. Girouard

2015–2017 Frank Boahen
Finite Element Modelling of the Impact of Geometry on Electrical and Calcic Signalling in Dendritic Spines
Laval University
Supervisor: N. Doyon

2015–2017 Mohammad Yaghoobi
Polymer-based nanocomposites containing Aluminum and giant dielectric particles
Department of Mining, Metallurgical and Materials Engineering, Laval University
Supervisor: H. Darvishi Alamdari

2013–2015 Dmytro Liashenko (Queen's University)
A Nine-Switch Unified Power Quality Conditioner (UPQC) with Variable-Band Hysteresis Control
Department of Electrical and Computer Engineering, Queen's University
Supervisor: A. Bakhshai

2006–2007 Yasser Farhat
Amenabilité
Laval University
Supervisor: F. Gourdeau

2004–2006 Denis Landry
Le critère de Nyman-Beurling-Báez-Duarte pour l'hypothese de Riemann
Laval University
Supervisor: T. Ransford

2003–2004 Javad Mansoori (University of Kerman)
Binomial sums and entire functions of exponential type
University of Kerman
Supervisor: M. Radjabalipour

Ph.D., supervision

2019– Mahishanka Withanachchi
Weighted approximation on the real line

2018–2020 Reihaneh Vafadar
Holomorphic semigroups and semicocycles
University of Mashhad
Supervisor at University of Mashhad: Shirin Hejazian

2016–2020 Ettien Yves-Fernand N'da
Une extension du théorème de Paley–Wiener
Cotutelle between Laval University and University of Félix Houphouet-Boigny
Supervisor at Félix Houphouet-Boigny: K. Kinvi

2012–2016 Anush Stepanyan
Nonlinear Preservers
Laval University
cosupervisor: A. Bourhim, University of Syracuse

2006–2015 Tarik Jari
Problèmes de préservation locale
Laval University
cosupervisor: A. Bourhim, University of Syracuse

2011–2015 Muath Karaki
Composition operators on model spaces
Cotutelle between Laval University and University of Lille 1
Supervisor at Lille: E. Fricain

2004-2009 Majid Jaberi Douraki
Behaviors and global dynamics of models of populations living in a periodically fluctuating environment
Laval University
cosupervisor: T. Ransford

2004-2008 Mahmood Shabankhah
Integral means of the derivatives of Blaschke products and zero sequences for the Dirichlet space
Laval University
cosupervisor: T. Ransford

Ph.D., cosupervision

2017– Seyed Adel Moraveji
Laval University
Supervisor: Nicolas Doyon

2014–2018 Hossein Sadeghi
Invariant subspaces of the weighted shift
University of Zanjan
Supervisor: F. Mirzapour

2012–2018 Geoffroy Rouget
Modeling the electrical resistivity of green carbon anodes for aluminum industry
Laval University, Department of Mining, Metallurgy and Materials Engineering
Supervisor: H. Alamdari

2006-2010 Mehdi Roohi
Maximal monotone operators and variational inclusions
University of Mazandaran
Supervisor: M. Alimohammady

Postdoc, supervision

2019–2021 Cheng Chu
Joint supervisor with T. Ransford

2015–2016 Oguz Ogur

2008–2010 Mostafa Nasri

Postdoc, cosupervision

2014–2016 Hubert Klaja
Supervisor: T. Ransford

2012–2014 Stamatis Pouliasis
Supervisor: T. Ransford

2004–2006 Abdellatif Bourhim
Supervisor: T. Ransford

Thesis Refereed

M.Sc.

2020 Jean-Christophe Rondy-Turcotte

2019 Mohamad Cheddadi

2019 Thierry Tchemb

2019 Salman Davoudi

2018 Mohammad Yaghoobi

2018 Julian Ransford

2017 Samir Boulafaat

2017 Frank Boahen

2017 Thierry Anselme

2017 Adama Ndoye

2016 Somaiieh Yousefi

2016 Maxime Murray

2015 Aram Gevorgyan

2015 Anick Lévesque–Gravel

2015 Francioli Clostone Mahoungou
2014 Mathieu Lavoie
2013 François Laniel
2010 Malik Younsi
2010 Samir Raouafi
2009 Mostafa Mache
2008 Yasser Farhat
2007 Sebastien Gaboury
2007 Carlos Dombeu Kouam
2006 Denis Landry
2005 Ronald Rivard
2004 Javad Mansoori
2004 Patrick Lacasse
2002 Cristian Enach
2002 Sylvain Roy

Ph.D.

2020 Ettien Yves-Fernand N'da
2019 Frederic Morneau Guerin
2018 Francois Laniel
2017 Geoffroy Rouget
2015 Anush Stewpanyan
2015 Tarik Jari
2015 Muath Karaki
2014 Samir Raouafi
2013 Alain Blandignieres
2012 Yasser Farhat
2011 Patrice Rivard
2010 Mehdi Roohi
2010 Dominique Guillot
2009 Majid Jaberi
2008 Mahmood Shabankhah
2007 Sylvain Roy

Committees

Administrative Committees

2020–2024 Mathematical Council of the Americas
2020–2022 International Scientific Advisory Committee, CRM
2020–2022 Board of Director, Chair, CMS
2019–2020 Board of Director, Vice-Chair, CMS
2019–2022 Finance Committee, Ex-officio, CMS
2019–2022 Nominating Committee, Ex-officio, CMS
2022–2023 President-outgoing, CMS
2020–2022 President, CMS
2019–2020 President-Elect, CMS
2017–2019 Vice-President, Quebec, CMS
2018–2021 Publication Committee, member at large, AMS
2018–2018 Book Review Subcommittee, AMS
2017–2019 Chair of the Publication Committee, CMS (two mandates)
2017–2018 International Affairs Committee, Ex-officio (President's Delegate), CMS
2014–2016 Graduate Program Committee, Laval University
2007–2015 Board of Directors, le fonds de soutien à la recherche en mathématiques, Laval University
2012–2014 Undergraduate Program Committee, Laval University
2010–2013 Faculty Council, Faculty of Science and Engineering, Laval University
2008–2011 Publication Committee, CMS
2009–2011 Bilingualism Committee, CMS
2005–2010 Library Committee, Laval University
2006–2009 Board of Directors, CRM
2005–2008 Board of Directors, CMS
2003–2005 Undergraduate Program Committee, Laval University
2003–2005 Graduate Program Committee, Laval University

Scientific Committees

2011–2015 AARMS, The Scientific Review Panel (two mandates)
2012–2013 ACFAS, Responsible for the mathematics section of 81-st congress

B.Sc. Scholarship Selection Committees

2012–2013 NSERC, Undergraduate Summer Research Awards, Laval University
2011–2015 Bourse d'excellence ArceloMittal Montréal
2011–2014 Bourse Marthe et Robert Ménard
2011–2014 Fonds de bourses de la Promotion Sciences 1956
2011–2014 Bourse Rio Tinto Alcan Fer et Titane

M.Sc. Scholarship Selection Committees

2013–2015 NSERC, Laval Committee
2011–2015 Bourse Hydro-Québec
2011–2013 FQRNT, Bourses de réintégration à la recherche
2011–2012 NSERC, pre-selection at Laval University
2006–2009 NSERC, pre-selection at Laval University
2004–2007 FQRNT, Committee President in 2007

Ph.D. Scholarship Selection Committees

2014–2015 Bourse Hydro-Québec
2011–2015 NSERC, pre-selection at Laval University
2012–2013 ISM, Distinguished Doctoral Scholarship
2012–2013 FQRNT, Bourses de réintégration à la recherche
2010–2011 ISM, Distinguished Doctoral Scholarship
2008–2010 FQRNT, Bourses de réintégration à la recherche
Committee President in 2010
2006–2009 NSERC, pre-selection at Laval University
2006–2009 Laval Foundation Scholarship, Laval University

Postdoctoral Fellowship Selection Committees

2019–2020 FRQNT (Programme de Bourses d'Excellence pour Étudiants Étrangers)
2014–2015 CRM-ISM
2011–2015 AARMS
2011–2012 CRM-ISM
2003–2006 CRM-ISM

Grant Selection Committees

2019 NSF Panelist (USA)
2014-2016 NSERC, Individual Discovery Grant, Mathematics and Statistics, Evaluation Group (EG 1508)
Incoming Chair in 2015
Chair in 2016
2012–2013 FQRNT, Team Grant for the program *projet de recherche en équipe*
Committee President
2008–2009 FQRNT, Team Grant for the program *projet de recherche en équipe*

Award Selection Committees

2019–2023 Distinguished Awards Selection Committee, CMS
Chair in 2020-2022
2020–2023 Fellows Selection Committee, CMS

2006–2009 Tuition Fees Exemption, Laval University

2005–2006 Caisse populaire Dejardins, R3D Information et Technologie inc. Awards Committee President

2003–2005 Carl Herz Award, ISM

2003-2004 Caisse populaire Dejardins, R3D Information et Technologie inc. Awards

2001-2002 Caisse populaire Dejardins, R3D Information et Technologie inc. Awards

External Reviewer

2019 Review of Undergraduate and Graduate Programs in Mathematics and Statistics, Brock University

2018 Periodic Program Review, Undergraduate program, Ryerson University

2016 Full Professorship, Bucknel University

2014 Full Professorship, Abu Dhabi University

Editorships

2020–2025 Canadian Mathematical Bulletin, Editor-in-Chief

2020–2024 Proceedings on the American Mathematical Society, Associate Editor

2020–2023 Sampling Theory, Signal Processing and Data Analysis, Associate Editor

2018–2020 Concrete Operators, Editor-in-Chief

2016–2020 Canadian Journal of Mathematics, Associate Editor

2016–2020 Canadian Mathematical Bulletin, Associate Editor

2011–2014 Bulletin of Iranian Mathematical Society

2008–2013 Annales des sciences mathématiques du Québec

Scientific Groups & Societies

Since 2019 ISAAC, life time member

Since 2011 MAA, life time member

Since 2001 CMS, life time member

Since 1996 AMS, life time member

Since 2003 CRM, Analysis Lab

Since 2002 ISM, Analysis Group

Since 2001 Analysis Group, Laval University

Event Organization

Conferences

2021 Data Science, Approximation Theory and Harmonic Analysis
A one-month program at Fields Institute (applied for)
Toronto, Summer 2021
Organizers: A. Aldroubi, K. Hamm, J. Mashreghi, A. Petrosyan

2020 The Mathematics of Signal, Image and data processing
CRM Summer School
Quebec City, May 4-9
Organizers: A. Aldroubi, A. Girouard, D. Kinzebulatov, J. Mashreghi

2020 Analytic Function Spaces and their Applications
A one-month program at Fields Institute
Toronto, June 15 - July 10
Organizers: I. Binder, D. Kinzebulatov, J. Mashreghi

2018 Complex analysis and spectral theory
A conference in celebration of Thomas J. Ransford's 60th birthday
Université Laval, May 21-25
Organizers: Analysis Lab at Laval (L. Baribeau, A. Girouard, F. Gourdeau, D. Kinzebulatov, J. Mashreghi, J. Rostand)

2016 New Trends in Approximation Theory
In memory of André Boivin
Fields Institute, July 25-28
Organizers: P. Gauthier, M. Manolaki, J. Mashreghi

2016 Spectral Theory and its Applications
CRM Summer School in Quebec City, July 4-14
Organizers: C. Beneteau, A. Girourd, D. Khavinson, J. Mashreghi, T. Ransford

2013 Invariant Subspaces of the Shift Operator
CRM, August 26-30
Organizers: E. Fricain, J. Mashreghi, W. Ross

2011 Blaschke Products and their Applications
Fields Institute, July 25-29
Organizers: E. Fricain, J. Mashreghi

2011 Complex Analysis and Potential Theory
In honor of Paul Gauthier and Kohur GowriSankaran
CRM, June 20-23
Organizers: A. Boivin, J. Mashreghi

2008 Hilbert Spaces of Analytic Functions
CRM, December 8-12

Organizers: J. Mashreghi, T. Ransford, K. Seip

2007 Banach Algebra and its Applications
Laval University, July 4-12
Local organizers: L. Baribeau, F. Gourdeau, J. Mashreghi, T. Ransford, J. Rostand

2003 Conference on Classical Analysis
In Honor of Paul Koosis
CRM, October 23-26
Organizers: G. Dafni, D. Jakobson, J. Mashreghi

Conference Sessions

2019 Complex Analysis and Operator Theory
CMS Winter Meeting
Toronto, December 6-9
Session organizer: I. Binder, D. Kinzebulatov, J. Mashreghi

2019 Functional and Complex Analysis
CMS Summer Meeting
Regina, June 7-10
Session organizer: D. Farenick, J. Mashreghi

2018 Complex Analysis and Operator Theory
CMS Winter Meeting
Vancouver, December 7-10
Session organizer: J. Mashreghi, N. Zorboska

2017 Analytic Function Spaces
CMS Winter Meeting
University of Waterloo, December 8-11
Session organizer: J. Mashreghi

2017 Harmonic Analysis and Inverse Problems
Mathematical Congress of the Americas
Montreal, July 24-28
Session organizers: A. Aldroubi, P. Gonzalez Casanova, J. Mashreghi

2016 Matrix Theory
CMS Winter Meeting
Niagara Falls, December 2-5
Session organizers: H. Kharaghani, J. Mashreghi

2015 Complex Analysis and Operator Theory
CMS Winter Meeting
Montreal, December 4–7
Session organizers: J. Mashreghi, T. Ransford

2015 Operator Theory on Analytic Function Spaces
CMS Summer Meeting

University of Prince Edward Island, June 5–8
Session organizer: J. Mashreghi

2012 Complex Analysis and Operator Theory
CMS Winter Meeting
CRM, December 8–10
Session organizers: J. Mashreghi, T. Ransford

2011 Composition Operators
CMS Winter Meeting
University of Ryerson and York University, December 10-12
Session organizers: J. Mashreghi, N. Zorboska

2008 Complex Analysis and Operator Theory
Second Canada-France Congress
Université du Québec à Montréal, June 1-6
Session organizers: E. Fricain., J. Mashreghi, T. Ransford

Workshops

2016 The Numerical Range
University of Lyon 1, June 10-15

2009 Produit de Blaschke
Laval University, May 15-July 30

2009 Dirichlet Spaces, Old and New Problems
University of Kashan, February 2-4

2006 Espace de Dirichlet
Laval University, October 21-November 25
Other speakers: Abdellatif Bourhim, Mahmood Shabankhah

2005 Espace de Dirichlet
Laval University, April 21-May 5
Other speakers: Abdellatif Bourhim, Mahmood Shabankhah

2003 Theory of H^p Spaces
University of Kerman, December 14-25

Grand Public Talks

2011 Christiane Rousseau
Des géométries pour décrir la nature
Laval University, April 28
Organizers: F. Gourdeau, J. Mashreghi

2008 Pierre Chastenay
Où est le centre de l'Univers?
Laval University, May 1

Organizers: B. Hudgson and J. Mashreghi

Seminars

2011-2012 Analysis Seminar, Laval University
2005-2006 Analysis Seminar, Laval University
2003-2004 Analysis Seminar, Laval University
2002-2003 Analysis Seminar, Laval University
2003-2004 Algebra Seminar, Laval University
2000-2001 ISM Graduate Student Seminar, McGill University
1999-2000 ISM Graduate Student Seminar, McGill University

Research in Teams

2014 Dirichlet Spaces and de Branges-Rovnyak Spaces
BIRS, June 15-22
Participants: O. El-Fallah, K. Kellay, J. Mashreghi, T. Ransford

2012 A Primer on the Dirichlet Spaces
CIRM, July 2-6
Participants: O. El-Fallah, K. Kellay, J. Mashreghi, T. Ransford

2009 Espaces de de Branges–Rovnyak et Produits de Blaschke
CIRM, April 14-17
Participants: A. Baranov, E. Fricain, J. Mashreghi

Talks

Conference and Colloquium Talks

2021 Outer functions and uniform integrability
Joint Mathematics Meetings
Session on Recent Advances in Function and Operator Theory
Denver, USA, January 15-18

2019 Constructive approximation methods in super harmonically weighted Dirichlet spaces
Interpolation in Spaces of Analytic Functions
Centre International de Rencontres Mathématiques (CIRM), France, November 18-22

2019 Approximation schemes in analytic function spaces
Virginia Operator Theory and Complex Analysis Meeting
University of Virginia, October 26

2019 Polynomial approximation in Banach spaces of analytic functions
Banach Algebras and Applications
University of Manitoba, Canada, July 11-18

2019 Hadamard multipliers in function spaces
Advanced Courses in Operator Theory and Complex Analysis
Université Paris-Est Marne-la-Vallée, June 17-26

2019 Approximation schemes in function spaces
CMS Summer Meeting
Session on Functional and Complex Analysis
University of Regina, Canada, June 6-10

2018 One-box Conditions for the Carleson measures for the Dirichlet space
CMS Winter Meeting
Session on Complex Analysis and Operator Theory
University of British Colombia, Vancouver, Canada, December 7-10

2018 The last harmonic in Taylor polynomials
AMS Fall Southeastern Sectional Meeting
Session on Operator Theory and Function Spaces of Analytic Functions
University of Arkansas, Fayetteville, USA, November 3-4

2018 Banach algebras and entire functions of exponential type
AMS Fall Eastern Sectional Meeting
Session on Operator and Function Theory
University of Delaware, Newark, USA, September 29-30

2018 Spectral Analysis and Approximation in Weighted Dirichlet Spaces
Analysis Day at HIT
Holon Institute of Technology Holon, Israel, July 19

2018 Endomorphisms of Hardy Spaces

The Joint Seminar of Geometric Function Theory of HIT and Analysis Seminar of BIU

Holon Institute of Technology Holon, Israel, July 18

2018 The Gleason–Kahane–Żelazko theorem in function spaces

Summer Workshop on Operator Theory

Krakow, Poland, July 9-13

2018 Polynomial approximation in superharmonically weighted Dirichlet spaces

International Conference on Algebra and Related Topics

Rabat, Morocco, July 2-5

2018 Cesaro means in function spaces

Workshop on Operator Theory, Complex Analysis and Applications

University of Minho in Guimaraes, Portugal, June 25-28

2018 Zero sets and capacity

CMS Summer Meeting

Session on Geometric Potential Theory

University of New Brunswick in Fredericton, Canada, June 1-4

2018 Féjer kernel versus Dirichlet kernel

CMS Summer Meeting

Session on Advances in Harmonic Analysis and PDEs

University of New Brunswick in Fredericton, Canada, June 1-4

2018 On binomial sums

Complex Analysis and Spectral Theory

Laval University, Canada, May 21-25

2018 Féjer Polynomials in local Dirichlet spaces

The Seventh International Conference on Computational Harmonic Analysis (ICCHA7)

Vanderbilt University, Nashville, USA, May 14-18

2018 Linear Maps on Function Spaces Preserving Inner Functions

Joint Mathematics Meetings

Session on Operator Algebras and Function Spaces

San Diego, USA, January 10-13

2018 Approximation in "strange" function spaces

Joint Mathematics Meetings

Session on Extremal Problems in Approximations and Geometric Function Theory

San Diego, USA, January 10-13

2017 Periodic solutions of linear systems

CMS Winter Meeting

Session on Analytic Function Spaces

University of Waterloo, Canada, December 8-11

2017 Some Preserver theorems in H^p Spaces
Second Northeastern Analysis Meeting
Albany, NY, October 13-15

2017 The Gleason–Kahane–Żelazko theorem for modules
Mathematical Congress of the Americas
Session on Operator Theory on Function Spaces
Montreal, Canada, July 24-28

2017 Eigenvalues of doubly stochastic matrices, an unfinished story
Western Canada Linear Algebra Meeting
On the occasion of Prof. Lancaster's Birthday
Banff, Canada, July 7-9

2017 Mapping theorems for the numerical range of matrices
Colloquium
University of Lethbridge, July 6

2017 Outer preserving endomorphisms
Preservers everywhere
Bolyai Institute, University of Szeged, Hungary, June 19-23

2016 Approximation via Toeplitz operators
CMS Winter Meeting
Session on Complex Analysis and Applications
Niagara Falls, Canada, December 2-5

2016 Numerical range versus spectrum
First Northeastern Analysis Meeting
SUNY, Brockport, October 14-16

2016 Constructive approximation in $\mathcal{H}(b)$ spaces
Operator Theory, Complex Analysis and Applications
University of Coimbra, Portugal, June 21-24

2016 The numerical range (3 Lectures)
Advanced Course in Operator Theory and Complex Analysis
University of Lyon 1, Lyon, France, June 13-15

2016 Polynomial Approximation in function spaces
Harmonic Analysis and Approximation Theory
Centre de Recerca Matemàtica (CRM), Barcelona, Spain, June 6-10

2016 An application of finite Blaschke products in operator theory
Joint Mathematics Meeting, AMS and MAA
Session on Operators Functions and Models
Washington State Convention Center, Seattle, USA, January 6-9

2015 On Mapping theorems for numerical range

Blaschke Products and Function Theory

Institute of Mathematical research, University of Hong Kong, Hong Kong, July 29-31

2015 Approximation in $\mathcal{H}(b)$ spaces

Applied Functional Analysis

Casa Matemática Oaxaca (CMO), Oaxaca, Mexico, June 29-July 3

2015 A group structure on $\mathbb{D}$ and its application for composition operators on model spaces

CMS Summer Meeting

Session on Operator Theory on Analytic Function Spaces

University of Prince Edward Island, Canada, June 5-8

2014 Reproducing Hilbert spaces of analytic functions, part 1

Colloquium

University of Kashan, August 12

2014 Reproducing Hilbert spaces of analytic functions, part 2

Colloquium

University of Kashan, August 13

2014 Composition operators on model spaces

Colloquium

University of Isfahan, August 6

2014 A group structure on $\mathbb{D}$ and its application on model spaces

AMS Sectional Meeting

Session on Invariant Subspaces of Function Spaces

University of Tennessee, Knoxville, USA, March 21-23

2013 An application of entire functions of exponential type in Banach algebras

Analytic Spaces and Their Operators

Memorial University of Newfoundland, Canada, July 9-12

2012 La beauté des matrices

Grand Public Conference

Laval University, Canada, April 26

2012 Composition of inner functions

AMS Sectional Meeting

Session on Complex Analysis and Operator Theory

University of South Florida, USA, March 10-11

2011 Composition operators on subspaces of H^2

CMS Winter Meeting

Session on Composition Operators

University of Ryerson and York University, Canada, December 10-12

2010 Hilbert transform of Lipschitz functions and its generalization

Second Quebec–Bavaria Mathematical Meeting
University of Wuerzburg, Germany, November 22-25

2009 On the derivative of inner functions
CMS Winter Meeting
Session on Complex Analysis
University of Windsor, Canada, December 5-7

2009 On the derivative of inner functions
First Quebec–Bavaria Mathematical Meeting
CRM, Montreal, Canada, November 30-December 3

2009 Zero sets and uniqueness sets for the Dirichlet space
Colloquium
Department of Mathematics, Kuwait University, May 6

2008 Mean values of Blaschke products
Second Canada-France Congress
Session on Complex Analysis and Operator Theory
Université de Québec à Montréal, Canada, June 1-6

2007 Generalized Lipschitz functions
International Biannual Conference on Banach Algebra and its Applications
Laval University, Canada, July 4-12

2007 Integral representations for the derivatives of functions in the de Branges spaces
CMS Summer Meeting
Session on Complex Function Theory
University of Manitoba, Winnipeg, Canada, May 30-June 4

2006 On a generalization of the Beurling–Malliavin multiplier theorem
The 37-th Annual Iranian Mathematics Conference
Session on Harmonic Analysis
Azerbaijan University of Tarbiat Moallem, Iran, September 2-5

2006 On Beurling–Malliavin theorem
Canadian Symposium on Abstract Harmonic Analysis
University of Manitoba, Winnipeg, Canada, May 24-29

2006 On the Dirichlet space
Spring School on Functional Analysis
Rabbat, Morocco, May 22-25

2006 Derivative of functions in de Branges spaces
74-th Congress of ACFAS
Session on Potential Theory
McGill University, Montreal, Canada, May 15-19

2004 Zeros of functions in the Dirichlet space
CMS Winter Meeting

Session on Approximation Theory

Montreal, Canada, December 11-13

2004 One multiplier theorem, several proofs

CMS Winter Meeting

Session on Harmonic Analysis

Montreal, Canada, December 11-13

2005 On binomial sums

Conference on PDE and Harmonic Analysis

Norwegian University of Science and Technology (NTNU), Trondheim, Norway, June 1-3

2003 Entire function of exponential type, binomial sums and Banach algebras

Conference on Classical Analysis in honor of Paul Koosis

CRM, Montreal, Canada, October 23-26

2003 On binomial coefficients

International Biannual Conference on Banach Algebra and its Applications

University of Alberta, Edmonton, Canada, July 27-August 9

2003 Invariant subspaces of the backward shift operator

Canadian Operator Algebra Symposium

University of New Brunswick, Fredericton, Canada, May 21-24

2003 Multiplier theorem in the model subspaces of H^2

60e Colloque des sciences mathématiques du Québec

University of Ottawa, Canada, October 4-5

2002 Model subspaces of Hardy spaces

Complex Analysis and Geometry

University of Tehran, Iran, July 20-22

2002 Argument of outer functions

Complex Analysis and Geometry

University of Tehran, Iran, July 20-22

2002 Argument of outer functions

CMS Summer Meeting

Session on Analysis

Laval University, Canada, June 15-17

2002 Hilbert transform of $Lip(\alpha, \beta_1, \cdots, \beta_n)$ functions

AMS Spring Easter Section Meeting

Session on Potential Theory

Université de Montréal, Canada, May 3-5

2000 Representation of H^p functions

Complex Analysis and Geometry

University of Tehran, Iran, December 30-31

2000 Complex variable methods in linear algebra
The 9-th International Conference on Matrices and Statistics
University of Hyderabad, India, December 9-13

2000 Recovery of H^p functions from their restriction to a subset of $\mathbb{T}$
The 54-th Québec Mathematics Colloquium
Concordia University, Montreal, Canada, November 18

Seminar Talks

2017 A handful of Gleason–Kahane–Żelazko theorems
Preserver Webinar Series
Montreal, Canada, July 22

2019 Sur le théorème de Grothendieck, partie II
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval University, Octobre 4

2019 Carleson measures for the Dirichlet space
Analysis Seminar
Department of Mathematics and Statistics, University of Toronto, August 6

2019 On the importance of weights in numerical calculations
Power Electronics Lab Seminar
Department of Electrical Engineering, Queen's University, August 2

2019 Un théorème de Grothendieck sur les sous espaces fermés de L^p
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval University, février 22

2019 Carleson measures for the Dirichlet space
Analysis Seminar
Department of Mathematics and Statistics, McGill University, February 15

2018 Sur les résidus d'un produit de Blaschke fini
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval University, Octobre 19

2018 Polynomial approximation in super-harmonically weighted Dirichlet spaces
Analysis Seminar
Department of Mathematics and Statistics, McGill University, September 21

2018 L'identité de parallélogramme et ses généralisations
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval University, avril 13

2017 Laplace transform and periodic solutions
Power Electronics Lab Seminar
Department of Electrical Engineering, Queen's University, December 12

2017 Sur l'approximation et dilatation dans les espaces de fonctions analytiques
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval University, Décembre 1

2017 Endomorphisms of function spaces
Séminaire d'analyse fonctionnelle
Laboratoire Paul Painlevé, Université Lille 1, juin 16

2016 A one box condition for the Carleson measures
Analysis seminar
Department of Mathematics, University of Manitoba, November 16

2016 A numerical mapping theorem
Analysis seminar
Department of Mathematics, University of Western Ontario, October 18

2016 Condition sur une fenêtre pour les mesures de Carleson de l'espace de Dirichlet
Séminaire d'analyse
Institut de Mathématiques de Bordeaux UMR5251, Université Bordeaux, June 16

2016 Eigenvalues of doubly stochastic matrices
Power Electronics Lab Seminar
Department of Electrical Engineering, Queen's University, February 26

2015 The capacity of generalized Cantor sets
Fractal Geometry Seminar
Department of Mathematics, University of Waterloo, November 18

2015 Halmos Conjecture on the Numerical Range
Analysis Seminar
Department of Mathematics, University of Waterloo, October 9

2015 Construction of a non-Carleson measure which satisfies the one-box condition
Séminaire d'analyse fonctionnelle
Laboratoire Paul Painlevé, Université Lille 1, janvier 8

2015 Les produits de Blaschke minimaux
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval University, avril 24

2014 Carleson measures for analytic function spaces
Analysis Seminar
Department of Mathematics, University of Western Ontario, October 28

2014 Embedding theorems for the Dirichlet space
Analysis Seminar
Department of Mathematics and Statistics, McGill University, October 6

2014 La mesure de Carleson pour l'espace de Dirichlet
Séminaire d'analyse fonctionnelle
Laboratoire Paul Painlevé, Université Lille 1, mai 16

2013 L'opérateur de composition sur les espaces modèles
Séminaire d'analyse

Institut de Mathématiques de Bordeaux UMR5251, Université Bordeaux, novembre 7

2013 Composition operators on function spaces
Analysis Seminar
CRM, University of Montreal, October 25

2013 L'opérateurs de composition sur les espaces modèles
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, octobre 18

2013 Le principe de subordination de Littlewood
Séminaire d'analyse
Département de mathématiques et de statistique, Laval University, octobre 11

2013 Function spaces and their operators
Power Electronics Lab Seminar
Department of Electrical Engineering, Queen's University, March 21

2013 L'inegalité de Maclaurin
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, février 15

2013 L'inegalité de Muirhead
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, février 8

2013 L'inegalité de la moyenne des puissances
Séminaire d'analyse
Département de mathématiques et de statistique, Laval University, février 1

2012 Des caractérisation de produits de Blaschke finis
Séminaire d'analyse
Département de mathématiques et de statistique, Laval University, novembre 23

2012 Sur les points critiques de produits de Blaschke
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, avril 13

2012 Boundary behavior of functions in de Branges-Rovnyak spaces
Analysis Seminar
Department of Mathematics, Carleton University, March 5

2012 Boundary behavior of analytic functions on $\mathbb{D}$
Analysis Seminar
Department of Mathematics and Statistics, McGill University, February 10

2012 Sur les limites radiales de functions dans l'espace $\mathcal{H}(b)$
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, février 3

2011 Composition operators on model subspaces

Analysis Seminar

Department of Mathematics and Statistics, University of Concordia, October 28

2011 Points critiques de polynômes

Séminaire sur les mathématiques actuelles

Département de mathématiques et de statistique, Université Laval, séptembre 15

2011 Les éléments cycliques de H^2 sous l'opérateur S^*, partie II

Séminaire d'analyse

Département de mathématiques et de statistique, Université Laval, février 4

2011 Les éléments cycliques de H^2 sous l'opérateur S^*, partie I

Séminaire d'analyse

Département de mathématiques et de statistique, Université Laval, janvier 28

2010 La transformée de Hilbert de fonctions Lipschitz

Séminaire d'Analyse et Géomètrie

Département de mathématiques, Université de Provence (Université Aix-Marseille depuis 2012), Marseille, décembre 6

2010 Hilbert transform of Lipschitz functions and its generalization

Analysis Seminar

Department of Mathematics, University of Western Ontario, October 22

2010 Sur les residues d'un produit de Blaschke fini

Séminaire sur les mathématiques actuelles

Département de mathématiques et de statistique, Université Laval, séptembre 1

2010 Suites d'interpolation de Blaschke

Séminaire d'analyse

Département de mathématiques et de statistique, Université Laval, mars 19

2009 Sur la construction de Cullen

Séminaire d'analyse

Département de mathématiques et de statistique, Université Laval, octobre 16

2009 La moyenne $H^{1/2}$ des fonctions intérieures

Séminaire d'analyse

Département de mathématiques et de statistique, Université Laval, octobre 9

2009 On the zeros of functions in the Dirichlet space

Analysis Seminar

Department of Mathematics, University of Western Ontario, March 6

2009 Fonctions de Lipschitz generalisées

Séminaire d'analyse

Département de mathématiques et de statistique, Université Laval, avril 3

2008 Les matrices bistochastiques

Séminaire d'analyse

Département de mathématiques et de statistique, Université Laval, novembre 28

2008 Les valeurs propres des matrices bistochastiques
Séminaire d'Analyse Fonctionnelle
Institut Camille Jordan, Université Lyon I, mai 27

2008 Le rayon de Bohr
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, avril 11

2007 Doubly stochastic matrices
Analysis Seminar
Department of Mathematics, Norwegian University of Science and Technology (NTNU), November 29

2007 Generalized Lipschitz functions
Analysis Seminar
Department of Mathematics, Norwegian University of Science and Technology (NTNU), Trondheim, October 18

2007 Generalized Lipschitz functions
Analysis Seminar
Department of Mathematics, George Washington University, July 31

2007 Admissible majorants of model subspaces
Analysis and PDE Seminar
Department of Mathematics, University of Delaware, July 27

2006 Les valeurs propres des matrices bistochastiques
Séminaire d'analyse
Département de mathématiques et de statistique, Université de Montréal, mai 5

2006 Sur la derivée des produits de Blaschke
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, février 24

2006 On Blaschke products
Analysis Seminar
Department of Mathematics and Statistics, Mcgill University, February 3

2005 Quelques remarques sur l'espace de Dirichlet
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, avril 8

2004 Une septième preuve du théorème de Beurling–Malliavin
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, novembre 26

2004 Théorème de Phragmen-Lindelöf
Séminaire sur les mathématiques actuelles
Département de mathématiques et de statistique, Université Laval, séptembre 28

2004 Binomial sums and entire functions of exponential types

Analysis Seminar
Department of Mathematics and Statistics, University of Amirkabir, January 2

2004 Using entire functions to analyze power growth
Analysis Seminar
Department of Mathematics and Statistics, McGill University, May 14

2003 Applications of entire functions in Banach algebras
Analysis Seminar
Department of Mathematics and Statistics, Carleton University, October 3

2003 Power growth in Banach algebras
Analysis Seminar
Department of Mathematics and Statistics, University of Isfahan, December 27

2003 Complex analysis methods in Banach algebras
Analysis Seminar
Department of Mathematics and Statistics, University of Kerman, December 23

2003 On coinvariant subspaces of a Hardy space
Analysis Seminar
Department of Mathematics and Statistics, University of Rafsanjan, December 12

2003 Fonctions de types exponentielles
Séminaire sur les mathématiques actuelles
Département de mathématiques et de statistique, Université Laval, séptembre 30

2003 Sur le problème du moment
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, janvier 24

2002 Le produit de Blaschke
Séminaire sur les mathématiques actuelles
Département de mathématiques et de statistique, Université Laval, décembre 13

2001 Le principe du maximum
Séminaire sur les mathématiques actuelles
Département de mathématiques et de statistique, Université Laval, décembre 14

2001 Le théorème de réalisation, partie II
Atelier d'analyse sur le problème de Nevanlinna–Pick
Département de mathématiques et de statistique, Université Laval, novembre 23

2001 Le théorème de réalisation, partie I
Atelier d'analyse sur le problème de Nevanlinna–Pick
Département de mathématiques et de statistique, Université Laval, novembre 16

2001 Produits de Blaschke sur le cercle unité
Séminaire d'analyse
Département de mathématiques et de statistique, Université Laval, octobre 19

2001 Produits canoniques

Séminaire d'analyse

Département de mathématiques et de statistique, Université Laval, octobre 12

2001 On multiplier theorems

Graduate Student Seminar

Department of Mathematics, Concordia University, June 21

2001 On Marshall's theorem

Analysis Seminar

Département de Mathématiques et de Statistique, Université de Montréal, mars 23

2001 Model subspaces of H^2

Séminaire d'analyse

Département de mathématiques et de statistique, Université Laval, février 20

2001 Hilbert transform of a sawtooth function

ISM Graduate Student Seminar

Department of Mathematics and Statistics, McGill University, February 14

2001 On application of entire functions of exponential type

Analysis Seminar

Department of Mathematics and Statistics, McGill University, February 7

2000 Geometric series of matrices

ISM Graduate Student Seminar

Department of Mathematics and Statistics, McGill University, November 2

2000 Birth of Hardy spaces

ISM Graduate Student Seminar

Department of Mathematics and Statistics, McGill University, September 21

2000 Paley-Wiener functions on the real line

Analysis Seminar

Department of Mathematics and Statistics, University of Montreal, June 2

2000 Dyakanov's theorem on the Fourier transforms of entire functions in the Paley-Wiener space

ISM Graduate Student Seminar

Department of Mathematics and Statistics, McGill University, March 23

2000 Linden's condition for everywhere divergence of Blaschke products on $\mathbb{T}$

ISM Graduate Student Seminar

Department of Mathematics and Statistics, McGill University, March 2

2000 Interpolating sequences and P. Jones interpolation formula

ISM Graduate Student Seminar

Department of Mathematics and Statistics, McGill University, February 10

2000 Carleson measures

ISM Graduate Student Seminar

Department of Mathematics and Statistics, McGill University, February 3

1999 Gelfand's proof of the Wiener theorem
ISM Graduate Student Seminar
Department of Mathematics and Statistics, McGill University, November 18

1999 The derivative of a singular measure is zero almost everywhere and also infinity almost everywhere
Analysis Seminar
Department of Mathematics and Statistics, University of Montreal, April 10

1999 Invariant subspaces of the left and right shift operators
ISM Graduate Student Seminar
Department of Mathematics and Statistics, McGill University, March 25

1998 Two movies for one ticket: "Lebesgue dominates" and "poor dual"
ISM Graduate Student Seminar
Department of Mathematics and Statistics, McGill University, February 18

1997 Finitely generated ideals of holomorphic functions
ISM Graduate Student Seminar
Department of Mathematics and Statistics, McGill University, October 10

1994 Approximation by rational functions
Geometry and Complex Analysis Seminar
Department of Mathematics and Computer Science, University of Tehran, May 24

1993 Approximation by polynomials
Geometry and Complex Analysis Seminar
Department of Mathematics and Computer Science, University of Tehran, October 9

1993 Martingales
Advanced Probability Theory Seminar
Department of Mathematics and Computer Science, University of Tehran, April 14

1992 Markov Processes
Advanced Probability Theory Seminar
Department of Mathematics and Computer Science, University of Tehran, November 10

Workshop Talks

2009 Produit de Blaschke
Département de mathématiques et de statistique, Université Laval
mai 15-juillet 30
- L'unicité de solution de l'interpolation, Partie II, juillet 30
- L'unicité de solution de l'interpolation, Partie I, juillet 23
- Le théoème de Pick, juillet 16
- Les estimations élémentaires de la derivée, juillet 2
- La dérivé au sense de Carathéodory, Partie III, juin 25
- La dérivé au sense de Carathéodory, Partie II, juin 19
- La dérivé au sense de Carathéodory, Partie I, juin 18
- La dimension de Hausdorff, Partie II, juin 12
- La dimension de Hausdorff, Partie I, juin 11
- Les points d'accumulations, mai 29
- La capacité logarithmique, mai 22
- La construction d'Ahern, mai 15

2009 Espaces de de Branges–Rovnyak
Département de mathématiques et de statistique, Université Laval
janvier 15-avril 6
Organizers: N. Chevrot, D. Guillot
- La dérivée aux frontières, Partie III, avril 6
- La dérivée aux frontières, Partie II, avril 2
- La dérivée aux frontières, Partie I, mars 26

2009 Dirichlet Spaces, Old and New Problems
Department of Mathematics, University of Kashan
February 2-5
- Invariant subspaces, February 5
- Local Dirichlet spaces, February 5
- Multipliers, February 4
- A new family of zero sets, February 4
- Theorem of Shapiro–Shields, February 3
- Carleson's formula for $\mathcal{D}(f)$, February 3
- Dirichlet space, February 2
- Hardy space H^2, February 2

2006 Espace de Dirichlet
Département de mathématiques et de statistique, Université Laval
avril 21-mai 5
- La capacité logarithmique, mai 5
- Fonctions de Green, Partie II, avril 25

- Fonctions de Green, Partie I, avril 21

2005 Espace de Dirichlet
Département de mathématiques et de statistique, Université Laval
octobre 21-novembre 25
- La généralisation de Shapiro–Shields, Partie I, novembre 25
- La généralisation de Shapiro–Shields, Partie I, novembre 18
- Le théoèrme de Carleson sur les zéros, novembre 11
- La formule de Carleson, octobre 28
- L'integral de Dirichlet, octobre 21

2003 Theory of H^p Spaces
Department of Mathematics, University of Kashan
December 14-25
- Marshall's theorem on the convex hull of Blaschke products, December 25
- A result of Adamian–Arov–Krein, December 25
- Sarason's theorem on norm closure of $\mathcal{C}(\mathbb{T}) + H^\infty(\mathbb{T})$, December 25
- Duality method of Havinson, Rogosinski and Shapiro, December 24
- Various duality theorems, December 24
- Hardy spaces of the upper half plane, December 23
- M. Riesz & Zygmund's LlogL theorems on Hilbert transform, December 22
- Kolmogorov's theorem on Hilbert transform of L^1 functions, December 22
- Frostman's theorem on the approximation by Blaschke products, December 21
- Beurling's theorem on invariant subspaces of the shift operator, December 21
- Inner and outer functions, Smirnov's factorization theorem, December 20
- Riesz' theorem on factoring out Blaschke products, December 20
- Generalization of Schwarz reflection principle, December 17
- Privalov's uniqueness theorem, December 17
- Carathéodory theorem on continuity of conformal mapping, December 16
- Cauchy formula for H^1 functions, December 16
- A Theorem of F. and M. Riesz, December 15
- Harmonic conjugate, Hilbert transform, December 15
- Fatou's theorem on non-tangential boundary values, December 14
- Representation formulae, boundary behavior, December 14

Publications

Research Articles in Refereed Journals

(1) B. Karapetrovic, J. Mashreghi. Hadamard products in weighted Bergman spaces. *J. Math. Anal. Appl.*, submitted.

(2) L. Bouthat, J. Mashreghi. L-matrices with lacunary coefficients. *Oper. Matrices*, submitted.

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Abbreviations

AARMS	Atlantic Association for Research in the Mathematical Sciences, Canada
ACFAS	Association francophone pour le savoir
AMS	American Mathematical Society
BIRS	Banff International Research Station, Canada-USA-Mexico
CIRM	Centre International de Rencontres Mathématiques, Luminy, France
CMS	Canadian Mathematical Society
CNRS	Centre National de la Recherche Scientifique
CRM	Centre de Recherches Mathématiques, Montréal
FCAR	La Formation de Chercheurs et l'Aide à la Recherche, Québec
FQRNT	Le Fonds Québécois de la Recherche sur la Nature et les Technologies, Québec
FRQNT	Le Fonds de recherche du Québec - Nature et technologies
IROST	Iranian Research Organization for Science and Technology
ISM	Institut des Sciences Mathématiques, Montréal
MAA	Mathematical Association of America
NSERC	Natural Sciences and Engineering Research Council, Canada
NSF	National Science Foundation, USA