



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}_μ , 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, Polynomial Approximation.*
- **Matrix Theory**, *Stochastic Matrices, Doubly Stochastic Matrices, Infinite matrices, Loci of Eigenvalues, Determinants.*
- **Potential Theory**, *Capacities, Hausdorff Measures, Hausdorff Dimension, Condensers.*

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

- 2018–2024 **NSERC**, *Discovery Grant*, Reproducing Kernel Hilbert Spaces, Matrix Theory, their Relations and Applications, \$168,000.
- 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

- 2022–2027 **NSERC**, *Discovery Institutes Support Grants*, CRM, \$5,768,740.
Team: CRM Director and Team Leader: O. Cornea. Co-applicants: T. Brustle, M. Craig, H. Darmon, A. Granville, S. Harrison, G. Lefebvre, J. Mashreghi, E. Moodie, L. Popovic, D. Wise.
- 2022–2028 **FRQNT**, *Regroupement stratégiques du CRM*, \$3,000,000, Team: O. Cornea (CRM director & team leader), CRM lab members.
- 2021–2022 **FRQNT**, *Regroupement stratégiques du CRM*, \$510,000.
Team: L. Vinet (CRM director & team leader), CRM lab members.
- 2015–2021 **FRQNT**, *Regroupement stratégiques du CRM*, \$3,258,000.
Team: L. Vinet (CRM director & team leader), CRM lab 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 lab members.
- 2003–2004 **FCAR**, *Analytic Multifunctions and Spectral Theory*, \$23,000.
Team: L. Baribeau, J. Mashreghi, T. Ransford (principal applicant).

Conference Grants

- 2022 **Fields-NSF**, *Data Science, Approximation Theory and Harmonic Analysis*, \$100,000.
Organizers: A. Aldroubi, K. Hamm, J. Mashreghi, A. Petrosyan.
- 2021 **Fields-NSF**, *Analytic Function Spaces and their Applications*, \$100,000.
Organizers: I. Binder, D. Kinzebulatov, J. Mashreghi.
- 2018 **CRM-Fields**, *Complex Analysis and Spectral Theory - A conference in celebration of Thomas J. Ransford's 60th birthday*, \$25,000.
Organizers: L. Baribeau, A. Girouard, F. Gourdeau, D. Kinzebulatov, J. Mashreghi, J. Rostand.
- 2016 **CRM-NSF**, *Laval summer school on Spectral Theory and its Applications*, \$45,000.
Organizers: C. Beneteau, A. Girouard, 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

- **IEEE Prize Paper Award**, *Transactions in Power Electronics*, 2021.
- **CMS Fellow**, *Inaugural Class, Lifetime*, from 2019.
- **CNRS Research 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, Mathématiques 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

- 2021 William Verreault
L_p-Convergence in Nonlinear Harmonic Analysis
- 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 Jérôme Fortier
Hadamard matrices
- 2007 Jérôme 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)

2023 Ziyuan Xu
Le nombres de Catalan

2022 Antonin Gilbert Lepage
Matrice de Hilbert

2020 Ludovick Bouthat
Les matrices binaires

2020 Antoine Poulin
Les arbres d'Aronszajn

2019 Rachid El Maanaoui
Les équations d'intégrales et la création de l'analyse fonctionnelle

2017 Jean-Philippe Bernard
Les nombres de Catalan

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

2014 Nicolas Döbeli
Les quaternions

2013 Mathieu Lavoie
Les polynômes orthogonaux

2012 Martin Richard Cerda
Principe de complétude

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 fondamentale d'algèbre

- 2002 Eric Pronovost
Produit de Blaschke
- M.Sc. (with memoir), supervision*
- 2021–2023 William Verreault
Recipient of the NSERC Canada Graduate Scholarship
Recipient of the FRQNT Research Scholarship
Lp-Convergence in Nonlinear Harmonic Analysis
Laval University
- 2020–2022 Ludovick Bouthat
Recipient of the NSERC Canada Graduate Scholarship
Recipient of the FRQNT Research Scholarship
Les matrices double stochastiques, un étude géométrique
Laval University
Other Supervisor: Frédéric Morneau Guérin
- 2020–2022 Ehsan Pourhadi
- 2017–2019 Thierry Anselme Kouontchou Tchemb
Les fonctions presque périodiques
Laval University
Other Supervisor: Damir Kinzbulatov
- 2016–2018 Julian Ransford
Recipient of the NSERC Canada Graduate Scholarship
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), co-supervision**
- 2021–2023 Nilofar Yousefi
 Wearable medical devices Present Position
 Queen's University
 Supervisor: A. Bakhshai
- 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'hypothèse 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**
- 2022–2025 Ludovick Bouthat
 Recipient of the Vanier Canada Graduate Scholarship
 Géométrie des valeurs propres des matrices doublement stochastiques
 Laval University
 Other Supervisor: Frédéric Morneau Guérin
- 2022–2025 Salimeh Dehghani
 Dilation in $\mathcal{H}(b)$ spaces
 Laval University
- 2022–2025 Ilias Lamrhari
 Estimations of Capacity
 Laval University
- 2019–2023 Mahishanka Withanachchi
 Approximation in weighted Dirichlet spaces
 Laval University
- 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

- 2006–2015 cosupervisor: A. Bourhim, University of Syracuse
 Tarik Jari
 Problèmes de préservation locale
 Laval University
- 2011–2015 cosupervisor: A. Bourhim, University of Syracuse
 Muath Karaki
 Composition operators on model spaces
 Cotutelle between Laval University and University of Lille 1
 Supervisor at Lille: E. Fricain
- 2004–2009 Majid Jaber Douraki
 Recipient of the FRQNT Research Scholarship
 Behaviors and global dynamics of models of populations living in a periodically fluctuating environment
 Laval University
- 2004–2008 cosupervisor: T. Ransford
 Mahmood Shabankhah
 Recipient of the NSERC Canada Graduate Scholarship
 Recipient of the FRQNT Research Scholarship
 Integral means of the derivatives of Blaschke products and zero sequences for the Dirichlet space
 Laval University
- cosupervisor: T. Ransford
- Ph.D., co-supervision**
- 2019–2023 Amirhossein Akbari
 Interface inverters for battery energy storage systems
 Queen's University
 Supervisor: A. Bakhshai
- 2019–2023 Fereshteh Poloei
 Estimation of state of the charge of batteries in energy storage systems using artificial intelligence
 Queen's University
 Supervisor: A. Bakhshai
- 2017–2022 Seyed Adel Moraveji
 Laval University
 Supervisors: N. Doyon, Simon Duchesne
- 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

2021–2023 Marcu Antone Orsoni
Recipient of the Fields Postdoctoral Fellowship
Joint supervision with I. Binder
University of Toronto

2021–2022 Soumitra Ghara
Recipient of the Fields Postdoctoral Fellowship
Joint supervision with T. Ransford

2020–2022 Mohammad Shirazi
Joint supervision with D. Jakobson and P. Gauthier

2019–2021 Cheng Chu
Joint supervision with T. Ransford

2015–2016 Oguz Ogur

2008–2010 Mostafa Nasri

Postdoc, cosupervision

2020–2022 Ryan Giabra
Supervisor: D. Kinzebulatov

2014–2016 Hubert Klaja
Supervisor: T. Ransford

2012–2014 Stamatis Poulialis
Supervisor: T. Ransford

2004–2006 Abdellatif Bourhim
Supervisor: T. Ransford

Thesis Refereed

M.Sc.

2022 Ludovick Bouthat

2021 Vincent Painchaud

2020 Wilson Fotsing
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 Somaïieh 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.

2021 Maëva Ostermann
2020 Kraïdi Anoh Yannick
2020 Ettien Yves-Fernand N'da
2019 Frederic Morneau Guerin
2018 François 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 Jaber
2008 Mahmood Shabankhah
2007 Sylvain Roy

Committees

Administrative Committees

- 2022–2024 EDI Committee, CRM
- 2022–2022 Journal Luncheon Committee, MCA
- 2020–2024 Council member, MCA
- 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

- 2021 The International Conference in Complex and Functional Analysis, Drohobych, Ukraine
- 2021 52th Annual Iranian Mathematics Conference, member of the Scientific Committee
- 2020–2022 International Scientific Advisory Committee, CRM
- 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

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

- 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

- 2023-2023 CRM-ISM-AMQ, Subventions JIM (Journée Internationale des mathématiques)
- 2022-2023 CMS, Chair, Endowment Grant Committee
- 2022-2023 NSERC, Program Fit Advisor (PFT), NSERC Discovery Horizon
- 2021-2022 FRQNT, the program la recherche collégiale, mathématiques, physique et informatique
- 2020-2021 FRQNT, the program Établissement de la relève professorale, mathématique et statistique

- 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

- 2023–2025 Chair, International Prize Committee, CMS
- 2019–2023 Distinguished Awards Selection Committee, CMS
Chair in 2021–2023
- 2020–2023 Fellows Selection Committee, CMS
Chair in 2021–2023
- 2018–2019 Carl Herz Award, ISM
- 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

- 2023–2027 Proceedings of the American Mathematical Society, Coordinating Editor, Analysis
- 2020–2024 Canadian Mathematical Bulletin, Editor-in-Chief
- 2020–2025 Complex Analysis and Operator Theory, Associate Editor
- 2020–2024 Proceedings of the American Mathematical Society, Associate Editor
- 2020–2023 Sampling Theory, Signal Processing and Data Analysis, Associate Editor
- 2018–2022 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 2021 ILAS

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

- 2022 International Conference on Evolution in Pure and Applied Mathematics
Akal University
Talwandi Sabo, India, November 16-18
Advisory Committee Member
- 2022 International Symposium on analytic function space
Tian Yuan mathematical exchange project
Guangdong University of technology, August 15-18
Organizers: J. Liu, J. Mashreghi
- 2022 Data Science, Approximation Theory and Harmonic Analysis
A one-month Focus Program at Fields Institute
Toronto, May 9 - June 10
Organizers: A. Aldroubi, K. Hamm, J. Mashreghi, A. Petrosyan
- 2021 Analytic Function Spaces and their Applications
A six-month Focus Program at Fields Institute
Toronto, June 1 - Dec 31
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**
- 2022 Approximation Theory, Function Spaces and Harmonic Analysis
CMS Winter Meeting
Toronto, December 2-5
Session organizer: G. Dafni, O. Dominguez, J. Mashreghi, S. Tikhonov
- 2022 Model spaces, their operators, and applications
The 34th International Workshop in Operator Theory and Applications
University of Krakow, Poland, Sept. 6-10
Session organizer: J. Mashreghi, William Ross
- 2021 Approximation Theory in Functions Spaces
CMS Winter Meeting
Vancouver, December 3-8 (virtual)
Session organizer: J. Mashreghi, P. Parisé
- 2021 Harmonic Analysis and Partial Differential Equations
CMS Winter Meeting
Vancouver, December 3-8 (virtual)
Session organizer: I. Binder, D. Kinzebulatov, J. Mashreghi
- 2021 Hilbert spaces of analytic functions and applications
The 32nd International Workshop in Operator Theory and Applications
Chapman University, August 9-13 (virtual)
Session organizer: J. Mashreghi
- 2021 Recent advances in Harmonic and Complex Analysis
CMS Summer Meeting
Ottawa, June 7-11 (virtual)
Session organizer: I. Binder, D. Kinzebulatov, J. Mashreghi
- 2020 Recent advances in Harmonic and Complex Analysis
CMS Winter Meeting

- Montreal, December 3-8 (virtual)
 Session organizer: I. Binder, D. Kinzebulatov, J. Mashreghi
- 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

- 2021 Hardy Spaces
 Fields Institute, Toronto, June 6-8
- 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 décrire 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

- 2023 Taylor polynomials on Local Dirichlet Spaces
The 7th National Conference on Functional Analysis and its Applications
University of Qazvin, Iran, March 1-2
- 2022 $\text{Hol}(\mathbb{D})$ is gigantic!
The 34th International Workshop in Operator Theory and Applications
University of Krakow, Poland, Sept. 6-10
- 2022 Lebesgue's constants in local Dirichlet spaces
CMS Winter Meeting
Session on Facets of Operator Algebras
Toronto, Canada, December 1-5
- 2022 Dilation technique and its applications
International Conference on Evolution in Pure and Applied Mathematics
Akal University
Talwandi Sabo, India, November 16-18
- 2022 Harsh boundary behavior of analytic functions
The 53-rd Annual Iranian Mathematics Conference
University of Science & Technology of Mazandaran
Behshahr, Iran, September 5-8
- 2022 The unrecoverable signal
Applied Functional Analysis
Casa Matemática Oaxaca (CMO), Oaxaca, Mexico, August 28-September 2
- 2022 Dilation in analytic function spaces
International Symposium on analytic function spaces
Guangdong University of Technology
Heyuan City, Guangdong, China, August 15-18
- 2022 Failure of approximation of odd functions by odd polynomials
Workshop on Operator Theory, Complex Analysis and Applications
Instituto Superior Técnico
Faro, Algarve, Portugal, June 20-24
- 2022 Dilation Theory, a one-century-old story
The 100th anniversary of Acta Scientiarum Mathematicarum
Bolyai Institute, University of Szeged, Hungary, May 5-6
- 2022 A Briefing on Dilation Theory
Colloquium, University of Toledo, USA, April 15
- 2021 Linear maps preserving inner functions
Research on preserver problems on Banach algebras and related topics (Virtual)

- Research Institute for Mathematical Sciences
Kyoto University, Japan, October 25-27
- 2021 Linear maps preserving inner functions
AMS Fall Western Sectional Meeting (Virtual)
Session on Complex Analysis and Potential Theory
University of New Mexico, USA, October 23-24
- 2021 The Gleason-Kahane-Zelazko theorem in Hilbert spaces
The International Conference in Complex and Functional Analysis (Virtual)
Dedicated to the memory of Bohdan Vynnytskyi
Drohobych, Ukraine, September 13-16
- 2021 Approximation by modified Taylor polynomials
The 32nd International Workshop on Operator Theory and its Applications (Virtual)
Session on Hilbert Spaces of Analytic Functions and Applications
Chapman University, USA, August 9-13
- 2021 Approximation in superharmonically weighted Dirichlet spaces
Complex Analysis and Related Topics (Virtual)
Dedicated to the 90th anniversary of A. A. Goldberg
University of Lviv, Ukraine, June 28 - July 1
- 2021 A new class of infinite matrices
Workshop on Operator Theory, Complex Analysis and Applications (Virtual)
Instituto Superior Técnico
Technical University of Lisbon, Portugal, June 21-24
- 2021 The Gleason-Kahane-Zelazko theorem and automatic continuity
The 8th European Congress of mathematics (Virtual)
Symposium on Recent Developments on Preservers
Portoroz, Slovenia, June 20-26
- 2021 Approximation by modified Taylor polynomials
CMS Summer Meeting (Virtual)
Session on Advances on Complex and Harmonic Analysis
Ottawa, Canada, June 3-11
- 2021 The norm of L-matrices
The 49th Canadian Operator Symposium (Virtual)
Fields Institute, Toronto, May 31 - June 4
- 2021 The norm of L-matrices
SIAM Conference on Applied Linear Algebra (Virtual)
Symposium on Matrix Equations, Matrix Inequalities, and Applications
New Orleans, USA, May 17-21
- 2021 The giant tree of mathematics
The 51-st Annual Iranian Mathematics Conference - Student part (Virtual)

- Kashan, Iran, March 16
- 2021 Approximation Techniques in Function Theory
The 51-st Annual Iranian Mathematics Conference (Virtual)
Kashan, Iran, February 16-19
- 2021 The Hidden Component in Signal Approximation
International Conference on Emerging Trends in Mathematical Sciences and Computing (Virtual)
Kolkata, India, February 5-7
- 2021 The Essence of Approximation
University of Guilan (Virtual)
Guilan, Iran, January 11
- 2021 Polynomial Approximation in Dirichlet and de Branges-Roynyak Spaces
Annual Seminars on Undergraduate Mathematics in Montreal (Virtual)
Montreal, Canada, January 9-10
- 2021 Carleson Measures for the Dirichlet Space
Joint Mathematics Meetings (Virtual)
Session on Operator Theory and Approximation in Spaces of Analytic Functions
Washington DC, USA, January 6-9
- 2020 Outer function and the Schur class
CMS Winter Meeting (Virtual)
Session on Recent Advances on Harmonic and Complex Analysis
Montreal, Canada, Dec 3-8
- 2020 On Gleason–Kahane–Żelazko theorems
Preserver Webinar Series (Virtual)
Hungry, July 22
- 2020 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 Richmond, 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 Columbia, 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 (IC-CHA7)
 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
Rabat, 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 $Lip(\alpha, \beta_1, \dots, \beta_n)$ 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

- 2022 Partial Taylor sums on Local Dirichlet Spaces, part II
Séminaire d'analyse harmonique
CRM, Octobre 31
- 2022 Partial Taylor sums on Local Dirichlet Spaces, part I
Séminaire d'analyse harmonique
CRM, Octobre 24
- 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 fonctions 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, septembre 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 Géométrie
 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 résidus d'un produit de Blaschke fini
 Séminaire sur les mathématiques actuelles
 Département de mathématiques et de statistique, Université Laval, septembre 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 généralisées
 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 dérivée 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, septembre 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, septembre 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

- 2021 Hardy Spaces, 6 lectures
Fields Institute, Toronto, June 6-8
- Analytic and harmonic spaces on \mathbb{D} , different norms, June 6
 - Representation theorems, different norms, June 6
 - Conjugate function, M. Riesz theorem, June 7
 - Norm inequalities, June 7
 - The canonical factorization theorem, June 8
 - Representation theorems in the upper half plane, June 8
- 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 dérivée, 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 théoème de Carleson sur les zéros, novembre 11
 - La formule de Carleson, octobre 28
 - L'intégral 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) J. Mashreghi. A new summation method. preprint.
- (2) A. Bayati, J. Mashreghi. On the infinite dimensional Perfect–Mirsky conjecture. preprint.
- (3) L. Bouthat, N. Doyon, J. Mashreghi, F. Morneau-Guérin. On the convergence of doubly stochastic Markov Chains. preprint.
- (4) J. Mashreghi, M. Ptak, W. Ross. A decomposition theorem for unitary operators. preprint.
- (5) L. Bouthat, J. Mashreghi, F. Morneau-Guérin. On the Geometry of the Birkhoff Polytope. *Complex Anal. Oper. Theory*, submitted.
- (6) J. Mashreghi, W. Verrault. Nonlinear oscillatory expansion of analytic functions. Sampling Theory, Signal Processing and data Analysis, submitted.
- (7) J. Mashreghi, H. Roopaei. Factorization of infinite L-matrices. preprint. *Results Math.*, submitted.
- (8) L. Bouthat, J. Mashreghi, F. Morneau-Guérin. Hardy-type inequalities for ℓ^p sequences. Mathematical Proceedings of the Cambridge Philosophical Society, submitted.
- (9) A. Bhardwaj, A. Chattopadhyay, J. Mashreghi, R. Srivastava. Hilbert Transform in the Cartwright-de Branges space. *Operator Theory: Advances and Applications*, Birkhäuser, submitted.
- (10) L. Bouthat, J. Mashreghi, F. Morneau-Guérin. On a question of Erdős on doubly stochastic matrices. *Linear Multilinear Algebra*, submitted.
- (11) S. Ghara, J. Mashreghi, T. Ransford. Summability and duality. *Publ. Math.*, submitted.
- (12) J. Mashreghi, T. Ransford. Weakly multiplicative distributions and weighted Dirichlet spaces. *J. Geom. Anal.*, submitted.
- (13) J. Mashreghi, T. Ransford. Asymptotically equicontinuous sequences of operators and a Banach–Steinhaus type theorem. *Bull. Iranian Math. Soc.*, A Special Issue in Honor of Anthony To-Ming Lau, accepted.
- (14) J. Mashreghi, M. Ptak, W. Ross. The square roots of some classical operators. *Studia Math.*, accepted.
- (15) L. Bouthat, J. Mashreghi, F. Morneau-Guérin. Monotonicity of certain left and right Riemann sums. *Operator Theory: Advances and Applications*, Birkhäuser, accepted.
- (16) E. Fricain, J. Mashreghi. Approximation by modified Taylor polynomials in the harmonically weighted Dirichlet spaces. *Complex Anal. Oper. Theory*, accepted.
- (17) L. Bouthat, J. Mashreghi, F. Morneau-Guérin. On the norm of normal matrices. *RIMS Kokyuroku Bessatsu*, accepted.

- (18) J. Mashreghi. Dilation theory, a century of distancing from the frontiers. *Acta Sci. Math.*, accepted.
- (19) E. Fricain, J. Mashreghi. Orthonormal polynomial basis in local Dirichlet spaces. *Acta Sci. Math.*, accepted.
- (20) L. Bouthat, A. Khareh, J. Mashreghi, F. Morneau-Guérin. On p -norm of circulant matrices. *Linear Multilinear Algebra*, accepted.
- (21) J. Mashreghi, M. Shirazi, M. Withanachchi. Partial Taylor sums on local Dirichlet spaces. *Analysis and Mathematical Physics*, 12, Paper No. 147, 26 pp., 2022.
- (22) J. Mashreghi, P.O. Parisé, T. Ransford. Failure of approximation of odd functions by odd polynomials. *Constr. Approx.*, 56(1):35–43, 2022.
- (23) C. Chu, M. Hartz, J. Mashreghi, T. Ransford. A Gleason-Kahane-Zelazko theorem for reproducing kernel Hilbert spaces. *Bull. Lond. Math. Soc.*, 54(3):1120–1130, 2022.
- (24) L. Bouthat, J. Mashreghi. The critical point and the p -norm of the Hilbert L -Matrix. *Linear Algebra Appl.*, 634:1–14, 2022.
- (25) B. Karapetrovic, J. Mashreghi. Gaussian integral means in the Fock space. *Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. RACSAM*, 116(1), Paper No. 51, 10 pp., 2022.
- (26) J. Mashreghi, P.O. Parisé, T. Ransford. Power-series summability methods in de Branges-Rovnyak spaces. *Integral Equations Operator Theory*, 94(2), Paper No. 20, 17 pp., 2022.
- (27) J. Mashreghi, M. Ptak, W. Ross. Interpolating with outer functions. Dedicated to Harold S. Shapiro. *Analysis and Mathematical Physics*, 1, Paper No. 168, 18 pp., 2021.
- (28) L. Bouthat, J. Mashreghi. L -matrices with lacunary coefficients. *Oper. Matrices*, 15(3):1045–1053, 2021.
- (29) K. Afridi, M. Daryaei, S. A. Khajehoddin, J. Mashreghi. A New Approach to Steady-State Modeling, Analysis and Design of Power Converters. *IEEE Transactions on Power Electronics*, 36(11):12746–12768, 2021.
- (30) J. Mashreghi, M. Ptak, W. Ross. A common range problem for model spaces. *Forum Math.*, 33(4):987–996, 2021.
- (31) B. Karapetrovic, J. Mashreghi. Hadamard products in weighted Bergman spaces. *J. Math. Anal. Appl.*, 494(2), 17 pp., 2021.
- (32) J. Mashreghi. A note on Schwarz's lemma. *Complex Anal. Synerg.*, 7(2), Paper No. 8, 3 pp., 2021.
- (33) L. Bouthat, J. Mashreghi. The norm of an infinite L -Matrix. *Oper. Matrices*, 15(1):47–58, 2021.
- (34) J. Mashreghi, P.O. Parisé, T. Ransford. Cesaro summability of Taylor series in weighted Dirichlet spaces. *Complex Anal. Oper. Theory*, 17(7):1–8, 2021.

- (35) J. Mashreghi, T. Ransford. Polynomial approximation in weighted Dirichlet spaces. *Complex Anal. Synerg.*, 7(2), Paper No. 11, 5 pp., 2021.
- (36) B. Karapetrovic, J. Mashreghi. Hadamard convolution and area integral means in Bergman spaces. *Results Math.*, 75(2), Paper No. 70, 11 pp., 2020.
- (37) E. Fricain, J. Mashreghi, R. Rupam. Backward shift invariant subspaces in reproducing kernel Hilbert spaces. *Math. Scand.*, 126(1):142–160, 2020.
- (38) A. Bourhim, J. Mashreghi. Jordan maps and Pseudospectrum in C^* -algebras. *J. Operat. Theor.*, 83(2):299–319, 2020.
- (39) J. Mashreghi, T. Ransford. Hadamard multipliers on weighted Dirichlet spaces. *Integral Equations Operator Theory*, 91(6), Paper No. 52, 13 pp., 2019.
- (40) E. Fricain, M. Karaki, J. Mashreghi. Composition operators on de Branges–Rovnyak spaces *Results Math.*, 74(1): Paper No. 61, 18 pp., 2019.
- (41) R. Cheng, J. Mashreghi, W. Ross. Inner functions and zero sets for L^p_A . *Trans. Amer. Math. Soc.*, 372(3):2045–2072, 2019.
- (42) J. Mashreghi, T. Ransford. Linear polynomial approximation schemes in Banach holomorphic function spaces. *Anal. Math. Phys.*, 9(2):899–905, 2019.
- (43) G. Bao, J. Mashreghi, S. Pouliasis, H. Wulan. Möbius invariant function spaces and Dirichlet spaces with superharmonic weights. *J. Aust. Math. Soc.*, 106(1):1–18, 2019.
- (44) J. Mashreghi, T. Ransford. Linear Maps preserving inner functions. *Studia Math.*, 244(1):99–107, 2019.
- (45) R. Cheng, J. Mashreghi, W. Ross. Optimal Weak Parallelogram Constants for L^p Spaces. *Math. Inequal. Appl.*, 21(4):1047–1058, 2018.
- (46) J. Mashreghi, J. Ransford, T. Ransford. A Gleason–Kahan–Zelazko theorem for the Dirichlet space. *J. Func. Anal.*, 274(11):3254–3262, 2018.
- (47) J. Mashreghi, T. Ransford. Gleason–Kahan–Zelazko theorems in function spaces. *Acta Sci. Math.*, 84(1-2):227–238, 2018.
- (48) J. Mashreghi, T. Ransford. Outer functions and uniform integrability. *Ann. Acad. Sci. Fenn-M.*, 43(2):1023–1026, 2018.
- (49) J. Mashreghi, T. Ransford. Outer functions and divergence in de Branges–Rovnyak spaces. *Complex Anal. Oper. Theory*, 12(4):987–995, 2018.
- (50) R. Cheng, J. Mashreghi, W. Ross. Multipliers of sequence spaces. *Concrete Operators*, 4(1):76–108, 2017.
- (51) G. Rouget, B. Majidi, D. Picard, G. Gauvin, D. Ziegler, J. Mashreghi, H. Alamdari. Electrical Resistivity Measurement of Petroleum Coke Powder by Means of Four-Probe Method. *Metall. Mater. Trans. B.*, 48(5):2543–2550, 2017.

- (52) R. Cheng, J. Mashreghi, W. Ross. Birkhoff-James orthogonality and the zeros of an analytic function. *Comput. Methods Funct. Theory*, 17(3):499–523, 2017.
- (53) H. Klaja, J. Mashreghi, T. Ransford. Spectral sets for numerical range. *Oper. Matrices*, 11(3):749–757, 2017.
- (54) J. Mashreghi. An inequality for Cauchy products. *Proc. Amer. Math. Soc.*, 145(7):3013–3016, 2017.
- (55) A. Bourhim, T. Jari, J. Mashreghi. Peripheral local spectrum preservers and maps increasing the local spectral radius. *Oper. Matrices*, 10(1):189–208, 2016.
- (56) A. Bourhim, J. Mashreghi, A. Stepanyan. Maps between Banach algebras preserving the spectrum. *Arch. Math.*, 107(6):609–621, 2016.
- (57) J. Mashreghi, A. Stepanyan. Nonlinear maps preserving the reduced minimum modulus of operators. *Linear Algebra Appl.*, 493:426–432, 2016.
- (58) O. El-Fallah, E. Fricain, K. Kellay, J. Mashreghi, T. Ransford. Constructive approximation in de Branges–Rovnyak spaces. *Constr. Approx.*, 44(2):269–281, 2016.
- (59) O. El-Fallah, K. Kellay, H. Klaja, J. Mashreghi, T. Ransford. Dirichlet spaces with superharmonic weights and de Branges–Rovnyak spaces. *Complex Anal. Oper. Theory*, 10(1):97–107, 2016.
- (60) H. Klaja, J. Mashreghi, T. Ransford. On mapping theorems for numerical range. *Proc. Amer. Math. Soc.*, 144:3009–3018, 2016.
- (61) E. Fricain, M. Karaki, J. Mashreghi. A group structure on \mathbb{D} and its application for composition operators. *Ann. Funct. Anal.*, Special issue in honor of A. To-Ming Lau, 7(1):76–95, 2015.
- (62) O. El-Fallah, K. Kellay, J. Mashreghi, T. Ransford. One-box conditions for Carleson measures for the Dirichlet space. *Proc. Amer. Math. Soc.*, 143:679–684, 2015.
- (63) J. Mashreghi, T. Ransford. A Gleason–Kahane–Żelazko theorem for modules and applications to holomorphic function spaces. *Bull. Lond. Math. Soc.*, 47(6):1014–1020, 2015.
- (64) A. Bourhim, J. Mashreghi. Maps preserving the local spectrum of product of operators. *Glasg. Math. J.*, 57(3):709–7018, 2015.
- (65) J. Mashrehi, S. Pouliaxis. Condenser capacity, exponential Blaschke products and universal covering maps. *Proc. Amer. Math. Soc.*, 143(8):3547–3559, 2015.
- (66) A. Bourhim, J. Mashreghi. Maps preserving the local spectrum of triple product of operators. *Linear Multilinear Algebra*, 63(4):765–773, 2015.
- (67) A. Bourhim, J. Mashreghi, A. Stepanyan. Nonlinear maps preserving the minimum and surjectivity moduli. *Linear Algebra Appl.*, 463:171–189, 2014.
- (68) E. Fricain, J. Mashreghi, D. Seco. Cyclicity in reproducing kernel Hilbert spaces of analytic functions. *Comput. Methods Funct. Theory*, 14(4):665–680, 2014.
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- (71) E. Fricain, J. Mashreghi. On a characterization of finite Blaschke products. *Complex Var. Elliptic Equ.*, 59(3):362–368, 2014.
- (72) A. Bourhim, J. Mashreghi. Local spectral radius preservers. *Integral Equ. Oper. Theory*, 76(1):95–104, 2013.
- (73) D. Drissi, J. Mashreghi. Resolvent spaces for algebraic operators and applications. *J. Math. Anal. Appl.*, 402(1):179–184, 2013.
- (74) J. Mashreghi, M. Shabankhah. Composition operators on finite rank model subspaces. *Glasg. Math. J.*, 55(1):69–83, 2013.
- (75) K. Kellay, J. Mashreghi. On zero sets in the Dirichlet space. *J. Geom. Anal.*, 22(4):1055–1070, 2012.
- (76) J. Mashreghi, M. Nasri. A proximal augmented Lagrangian method for equilibrium problems. *Appl. Anal.*, 91(1):157–172, 2012.
- (77) J. Mashreghi, M. Nasri. Hybrid Lagrange multiplier approaches for solving infinite dimensional equilibrium problems with cone constraints. *J. Nonlinear Convex Anal.*, 13(2):331–349, 2012.
- (78) J. Mashreghi, M. Shabankhah. Admissible functions for the Dirichlet space. *Studia Math.*, 198(2):147–156, 2010.
- (79) A. Baranov, I. Chalendar, E. Fricain, J. Mashreghi, D. Timotin. Bounded symbols and reproducing kernel thesis for truncated Toeplitz operators. *J. Funct. Anal.*, 259(10):2673–2701, 2010.
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- (81) A. Baranov, E. Fricain, J. Mashreghi. Weighted norm inequalities for de Branges–Rovnyak spaces and their applications. *Amer. J. Math.*, 132(1):125–155, 2010.
- (82) J. Mashreghi, M. Nasri. Forcing strong convergence of Korpelevich's method in Banach spaces with its applications in game theory. *Nonlinear Anal.*, 72(3-4):2086–2099, 2010.
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- (89) M. Jaber, J. Mashreghi. On the population model of the non-autonomous logistic equation of second order with period-two parameters. *J. Difference Equ. Appl.*, 14(3):231–257, 2008.
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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
MCA	Mathematical Council of the Americas
NSERC	Natural Sciences and Engineering Research Council, Canada
NSF	National Science Foundation, USA