

Centre de recherches mathématiques
Université de Montréal

Conférence «Espaces de Hilbert de fonctions analytiques»
Du 8 au 12 décembre 2008

Conference on Hilbert Spaces of Analytic Functions
December 8-12, 2008

HORAIRE / PROGRAM

Conférences : salle 6214
Pauses-café : salle 6245

Lectures: Room 6214
Coffee Breaks: Room 6245

Le lundi 8 décembre 2008 / *Monday, December 8, 2008*

08:00 - 08:30 Inscription (salle 5345) et café-croissants (salle 6245) / *Registration (Room 5345) and Coffee & Croissants (Room 6245)*

Président / *President* : André Boivin (University of Western Ontario)

08:30 - 09:30 **Joseph A. Ball** (Virginia Tech)
“de Branges-Rovnyak reproducing kernel spaces: multivariable extensions”

09:30 - 10:00 **Andreas Hartmann** (Université Bordeaux 1)
“Analytic continuation in backward shift invariant subspaces”

10:00 - 10:30 Pause-café / *Coffee break*
(Salle / *Room* 6245)

10:30 - 11:30 **Ronald G. Douglas** (Texas A&M University)
“Multiplication operators on the Bergman space”

11:30 - 12:00 **Paul M. Gauthier** (Université de Montréal)
“Approximation of and by the Riemann zeta-function”

12:00 - 14:00 Pause-déjeuner / *Lunch break*

Président / *President* : Emmanuel Fricain (Université Claude Bernard Lyon I)

14:00 - 15:00 **Dmitry Khavinson** (University of South Florida)
“The search for singularities of the solutions to the Dirichlet problem: recent developments”

15:00 - 15:30 **Karim Kellay** (Université de Provence Aix-Marseille 1)
“Compact operators that commute with a contraction”

15:30 - 16:00 Pause-café / *Coffee break*
(Salle / *Room* 6245)

16:00 - 17:00 **Vladimir Peller** (Michigan State University)
“Operator Hölder-Zygmund functions”

17:00 - 17:30 **Nicolas Chevrot** (Université Laval)
“Invariant subspaces for the shift on the vector-valued L^2 space of an annulus”

Le mardi 9 décembre 2008 / Tuesday, December 9, 2008

08:00 - 08:30 Café croissants (6245) / *Coffee & Croissants (6245)*

Président / President : Paul M. Gauthier (Université de Montréal)

08:30 - 09:30 **Alexander Borichev** (Université de Provence Aix-Marseille 1)
“Riesz bases of reproducing kernels in Fock type spaces”

09:30 - 10:00 **Mahmood Shabankhah** (Université Laval)
“Zero sequences for the Dirichlet space”

10:00 - 10:30 Pause-café / *Coffee break*
 (Salle / Room 6245)

10:30 - 11:30 **Yurii Lyubarskii** (Norwegian University of Science and Technology)
“Sampling near critical density”

11:30 - 12:00 **André Boivin** (University of Western Ontario)
“Completeness of some systems of analytic functions”

12:00 - 14:00 Pause-déjeuner / *Lunch break*

Président / President : Andreas Hartmann (Université Bordeaux 1)

14:00 - 15:00 **Kohur Gowrisankaran** (McGill University)
“Integral representation of positive multiply superharmonic functions and consequences”

15:00 - 15:30 **Hasi Wulan** (Shantou University)
“Compact composition operators on BMOA”

15:30 - 16:00 Pause-café / *Coffee break*
 (Salle / Room 6245)

16:00 - 17:00 **Mihai Putinar** (University of California at Santa Barbara)
“Poincaré variational problem in potential theory”

17:00 - 17:30 **Constantin Costara** (Ovidius University)
“A spectral version of Cartan’s uniqueness theorem”

Le mercredi 10 décembre 2008 / *Wednesday, December 10, 2008*

08:00 - 08:30 Café croissants (6245) / *Coffee & Croissants (6245)*

Président / *President* : Karim Kellay (Université de Provence Aix-Marseille 1)

08:30 - 09:30 **Joseph A. Cima** (The University of North Carolina at Chapel Hill)
“Truncated Toeplitz operators and spatial isometries”

09:30 - 10:00 **Emmanuel Fricain** (Université Claude Bernard Lyon I)
“Bernstein type inequalities in de Branges-Rovnyak spaces”

10:00 - 10:30 Pause-café / *Coffee break*

10:30 - 11:30 **William T. Ross** (University of Richmond)
“An operator theory look at some extremal problems”

11:30 - 12:00 **Omar El-Fallah** (Université Mohammed V)
“Cyclicity in the analytic Dirichlet space”

12:00 - 14:00 Pause-déjeuner / *Lunch break*

Président / *President* : Yurii Lyubarskii (Norwegian University of Science and Technology)

14:00 - 15:00 **Joaquim Ortega-Cerdà** (Universitat de Barcelona)
“Pointwise estimates for the Bergman kernel and applications”

15:00 - 15:30 **Daniela Kraus** (University of Wuerzburg)
“Critical points of bounded analytic functions and nonpositive curvature”

15:30 - 16:00 **Jordi Marzo** (Norwegian University of Science and Technology)
“Equidistribution of Fekete points on the sphere”

18:00 Banquet - Restaurant Le Caveau (2063, rue Victoria) / *Banquet - Restaurant Le Caveau (2063 Victoria Street)*

Le jeudi 11 décembre 2008 / *Thursday, December 11, 2008*

08:00 - 08:30 Café croissants (6245) / *Coffee & Croissants (6245)*

Président / *President* : Dmitry Khavinson (University of South Florida)

08:30 - 09:30 **Stephan Ruscheweyh** (Universitaet Wuerzburg)

“A continuous passage from trigonometric to Hausdorff moments: an attempt with consequences”

09:30 - 10:00 **Richard Fournier** (Université de Montréal)

“Universal sequences of holomorphic functions and normal families”

10:00 - 10:30 Pause-café / *Coffee break*

(Salle / *Room* 6245)

10:30 - 11:30 **Richard Rochberg** (Washington University)

“Hankel forms on the Dirichlet space”

11:30 - 12:00 **Galia Dafni** (Concordia University)

“A decomposition theorem for the local Hardy space”

12:00 - 14:00 Pause-déjeuner / *Lunch break*

Président / *President* : Omar El-Fallah (Université Mohammad V)

14:00 - 15:00 **Laurent Baratchart** (INRIA Sophia Antipolis - Méditerranée)

“Convergent interpolation to Cauchy integrals”

15:00 - 15:30 **Tatyana Foth** (University of Western Ontario)

“Holomorphic automorphic forms on bounded symmetric domains”

15:30 - 16:00 Pause-café / *Coffee break*

(Salle / *Room* 6245)

16:00 - 17:00 **Evgueni Abakumov** (Université Paris-Est)

“On completeness of translates in weighted spaces”

17:00 - 17:30 **Joules Nahas** (University of California at Santa Barbara)

“On the Positivstellensatz in Weyl’s algebra”

Le vendredi 12 décembre 2008 / *Friday, December 12, 2008*

08:00 - 08:30 Café croissants (6245) / *Coffee & Croissants (6245)*

Président / *President* : Galia Dafni (Concordia University)

08:30 - 09:30 **Nicolas Young** (Leeds University)
“The automorphism group of the tetrablock”

09:30 - 10:00 **Ferenc Balogh** (Concordia University)
“On the asymptotic zero distribution of some planar orthogonal polynomials”

10:00 - 10:30 Pause-café / *Coffee break*
(Salle / *Room* 6245)

10:30 - 11:30 **Jim Agler** (UC San Diego)
“Uniqueness sets for Nevanlinna-Pick Interpolation in two variables”

11:30 - 12:00 **Abdellatif Bourhim** (Université Laval)
“On linear preserver problems”

12:00 - 14:00 Pause-déjeuner / *Lunch break*

Président / *President* : Richard Fournier (Université de Montréal)

14:00 - 14:30 **Fatma Zohra Demmad-Abdessameud** (Université Saad Dahleb de Blida)
“Lu Qi-keng’s problem in Cartan-Hartogs domains”

14:30 - 15:00 **Hong Yue** (Concordia University)
“A John-Nirenberg type inequality”

15:00 - 16:00 **Jaroslav Zemanek** (Polish Academy of Sciences)
“Power boundedness on function spaces”

16:00 Fin de l’atelier / *Closure of the workshop*