

ÉCOLE D'ÉTÉ DU CRM 2016
Théorie spectrale et applications

2016 CRM SUMMER SCHOOL
Spectral theory and applications

Pavillon Adrien-Pouliot
 Exposés/Talk: Salle/Room PLT-2704
 Pause/Coffee break: Salle/Room PLT-2744
 Labo. Informatique/Computer lab: Salle/Room PLT-2325



UNIVERSITÉ
LAVAL

Faculté des sciences et de génie
 Département de mathématiques et de statistique

HORAIRE SOMMAIRE / SCHEDULE - OVERVIEW

PARTIE 1 - PART 1

Lundi 4 juillet 2016 - Monday, July 4, 2016		
Horaire Schedule	Conférencier Speaker	Exposé Talk
08:30 - 09:20	***** Inscrition - Registration (Salle 2744, pavillon Adrien-Pouliot) *****	
09:20 - 09:30	Mot de bienvenue-Welcoming address	
09:30 - 10:30	T. Ransford	<i>Fundamental spectral theory</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	T. Ransford	<i>Fundamental spectral theory</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	F. Kwok	<i>Numerical methods for spectral theory</i>
14:30 - 14:45	Pause - Break	
14:45 - 15:45	F. Kwok	<i>Numerical methods for spectral theory</i>
15:45 - 16:15	Pause - Coffee break	
16:15 - 00:00	<i>Exercices - Computer lab</i>	
Mardi 5 juillet 2016 - Tuesday, July 5, 2016		
09:30 - 10:30	T. Ransford	<i>Fundamental spectral theory</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	T. Ransford	<i>Fundamental spectral theory</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	F. Kwok	<i>Numerical methods for spectral theory</i>
14:30 - 14:45	Pause - Break	
14:45 - 15:45	F. Kwok	<i>Numerical methods for spectral theory</i>
15:45 - 16:15	Pause - Coffee break	
16:15 - 00:00	<i>Exercices - Computer lab</i>	
Mercredi 6 juillet 2016 - Wednesday, July 6, 2016		
09:30 - 10:30	T. Ransford	<i>Fundamental spectral theory</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	T. Ransford	<i>Fundamental spectral theory</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	F. Kwok	<i>Numerical methods for spectral theory</i>
14:30 - 14:45	Pause - Break	
14:45 - 15:45	R. Froese	<i>From classical to quantum theory</i>
15:45 - 16:15	Pause - Coffee break	
16:15 - 00:00	<i>Exercices - Computer lab</i>	
Jeudi 7 juillet 2016 - Thursday, July 7, 2016		
09:30 - 10:30	T. Ransford	<i>Fundamental spectral theory</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	T. Ransford	<i>Fundamental spectral theory</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	R. Froese	<i>From classical to quantum theory</i>
14:30 - 14:45	Pause - Break	
14:45 - 15:45	R. Froese	<i>From classical to quantum theory</i>
15:45 - 16:15	Pause - Coffee break	
16:15 - 00:00	<i>Exercices - Computer lab</i>	
Vendredi 8 juillet 2016 - Friday, July 8, 2016		
09:30 - 10:30	G. Sanders	<i>Numerical analysis for practical spectral graph embedding algorithms</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	G. Sanders	<i>Numerical analysis for practical spectral graph embedding algorithms</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	R. Froese	<i>From classical to quantum theory</i>
14:30 - 14:45	Pause - Break	
14:45 - 15:45	R. Froese	<i>From classical to quantum theory</i>
15:45 - 16:15	Pause - Coffee break	
16:15 - 00:00	<i>Exercices - Computer lab</i>	
Samedi 9 juillet 2016 - Saturday, July 9, 2016		
Congé - Break		

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HORAIRE SOMMAIRE / SCHEDULE - OVERVIEW

PARTIE 2 - PART 2

Dimanche 10 juillet 2016 - Sunday, July 10, 2016		
Horaire Schedule	Conférencier Speaker	Exposé Talk
09:30 - 10:30	R. Laugesen	<i>Spectral theory of elliptic operators</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	R. Laugesen	<i>Spectral theory of elliptic operators</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	R. Band	<i>Spectral graph theory</i>
14:30 - 14:45	Pause - Break	
14:45 - 15:45	R. Band	<i>Spectral graph theory</i>
15:45 - 16:15	Pause - Coffee break	
16:15 - 00:00	<i>Exercices sessions</i>	
Lundi 11 juillet 2016 - Monday, July 11, 2016		
09:30 - 10:30	R. Laugesen	<i>Spectral theory of elliptic operators</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	R. Laugesen	<i>Spectral theory of elliptic operators</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	R. Band	<i>Spectral graph theory</i>
14:30 - 14:45	Pause - Break	
14:45 - 15:45	R. Band	<i>Spectral graph theory</i>
15:45 - 16:15	Pause - Coffee break	
16:15 - 00:00	<i>Exercices sessions</i>	
Mardi 12 juillet 2016 - Tuesday, July 12, 2016		
09:30 - 10:30	R. Laugesen	<i>Spectral theory of elliptic operators</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	Y. Canzani	<i>Spectral geometry</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	R. Band	<i>Spectral graph theory</i>
14:30 - 14:45	Pause - Break	
14:45 - 15:45	D. Khavinson	<i>The spectral properties of several classical function-theoretic operators and geometry</i>
15:45 - 16:15	Pause - Coffee break	
16:15 - 00:00	<i>Exercices sessions</i>	
Mercredi 13 juillet 2016 - Wednesday, July 13, 2016		
09:30 - 10:30	Y. Canzani	<i>Spectral geometry</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	Y. Canzani	<i>Spectral geometry</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	C. Beneteau	<i>Zeros of optimal polynomial approximants, norms of Jacobi matrices, and Jentzsch-type theorems</i>
14:30 - 14:45	Pause - Break	
14:45 - 15:45	J.-G. Young	<i>Spectral clustering of graphs</i>
15:45 - 16:15	Pause - Coffee break	
16:15 - 00:00	<i>Exercices sessions</i>	
Jeudi 14 juillet 2016 - Thursday, July 14, 2016		
09:30 - 10:30	Y. Canzani	<i>Spectral geometry</i>
10:30 - 10:45	Pause - Coffee break	
10:45 - 11:45	Y. Canzani	<i>Spectral geometry</i>
11:45 - 13:30	Dîner - Lunch	
13:30 - 14:30	P. Desrosiers	<i>The spectrum of random matrices: an overview</i>
14:30 - 14:45	Pause - Coffee break	
Fin de l'école d'été - End of the summer school		