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School and Workshop on Random Matrix Theory and Point Processes | (smr 3382)

Monday 23 September 2019

REGISTRATION & ADMINISTRATIVE FORMALITIES - Budinich Lecture Hall (LB)
(08:30-09:15)

OPENING SESSION - Budinich Lecture Hall (LB) (09:15-09:30)

Session 1 - Budinich Lecture Hall (LB) (09:30-15:00)

time	title	presenter
09:30	Random matrices and the uses of Dyson-Schwinger equations - I	GUIONNET, Alice
10:30	Break	
11:00	Determinantal point processes - I	BUFETOV, Alexander
12:00	Random walk at weak and strong disorder	RAMIREZ, Alejandro
12:45	Color-position symmetry in interacting particle systems	BUFETOV, Alexey
13:30	Lunch break	

Session 2 - Budinich Lecture Hall (LB) (15:00-17:45)

time	title	presenter
15:00	Spin current for the quantum 1D XX spin chain and the Bessel kernel	SASAMOTO, Tomohiro
15:45	On spectra of quasiperiodic matrices	KRASOVSKY, Igor
16:30	Break	
17:00	Variational problems and spectral curves for the hermitian matrix model with external source	LIMA FERREIRA DA SILVA, Guilherme

Tuesday 24 September 2019

Session 3 - Budinich Lecture Hall (LB) (09:00-15:00)

time	title	presenter
09:00	Determinantal point processes - II	BUFETOV, Alexander
10:00	Random matrices and the uses of Dyson-Schwinger equations - II	GUIONNET, Alice
11:00	Break	
11:30	Local eigenvalue statistics for band matrices with a transfer operator approach	SHCHERBINA, Maria
12:15	Edge universality for non-Hermitian random matrices	ERDOES, Laszlo
13:00	Lunch break	

Session 4 - Budinich Lecture Hall (LB) (15:00-16:30)

time	title	presenter
15:00	Asymptotics of orthogonal polynomial ensembles via integrable methods	MCLAUGHLIN, Ken
15:45	Christoffel deformations of discrete ensembles	LAZAG, Pierre

Session 5 - Budinich Lecture Hall (LB) (16:30-20:30)

time	title	presenter
16:30	Short Talks by Participants	
19:00	RECEPTION	

Wednesday 25 September 2019

Session 6 - Budinich Lecture Hall (LB) (09:00-14:00)

time	title	presenter
09:00	Random matrices and the uses of Dyson-Schwinger equations - III	GUIONNET, Alice
10:00	Determinantal point processes - III	BUFETOV, Alexander
11:00	Break	
11:30	Eigenvalue distribution for non linear models of random matrices	PECHE, Sandrine
12:15	Asymptotics for the lower tail of the KPZ equation	CAFASSO, Mattia
13:00	Lunch break	

Session 7 - Budinich Lecture Hall (LB) (14:00-16:45)

time	title	presenter
14:00	Noise Sensitivity of the Top Eigenvector of a Wigner Matrix	BORDENAVE, Charles
14:45	Soliton quantization and random partitions	MOLL, Alexander
15:30	Break	
16:00	Free Field Approach to the Macdonald Process	KOSHIDA, Shinji

Session 8 - Budinich Lecture Hall (LB) (17:00-18:00)

COLLOQUIUM - Bo PERSSON (Peter Gruenberg Institute, Juelich, Germany)

The Physics of Contact and Adhesion with application to biological systems

(Light refreshments will be served after the talk)

Thursday 26 September 2019

Session 9 - Budinich Lecture Hall (LB) (09:00-15:00)

time	title	presenter
09:00	Determinantal point processes - IV	BUFETOV, Alexander
10:00	Random matrices and the uses of Dyson-Schwinger equations - IV	GUIONNET, Alice
11:00	Break	
11:30	Analysis and Geometry in $SL(2, \mathbb{Z})$ -dynamics	VESELOV, Alexander
12:15	Absolute continuity of limiting spectral distributions of Toeplitz and Hankel random matrices	KRISHNAPUR, Manju
13:00	Lunch break	

Session 10 - Budinich Lecture Hall (LB) (15:00-18:30)

time	title	presenter
15:00	TBC	QIU, Yanqi
15:45	The point processes at turning points of large lozenge tilings	MKRTCHYAN, Sevak
16:30	Break	
17:00	Rigidity for Pfaffian point processes	NIKITIN, Pavel
17:45	Wroten type coding for Kleinian groups	WU, Chenxi

Friday 27 September 2019

Session 11 - Budinich Lecture Hall (LB) (09:00-13:15)

time	title	presenter
09:00	Random matrices and the uses of Dyson-Schwinger equations - V	GUIONNET, Alice
10:00	Determinantal point processes - V	BUFETOV, Alexander
11:00	Break	
11:30	Asymptotics of the averaged characteristic polynomial for Ginibre Ensemble with finite number of fixed point charges	LEE, Seung-Yeop
12:15	Large deviations for traces of Wigner matrices	AUGERI, Fanny
13:00	CLOSING SESSION	