

# Conference on Integrable Systems, Random Matrix Theory, and Combinatorics

Date: October 23 -- 26, 2013  
(arrival day October 22, departure day October 27)

University of Arizona, Tucson, Arizona.

Sponsors:

The National Science Foundation and the Department of Mathematics, University of Arizona.

Wednesday, October 23

8:00 - 8:30: Registration - Bryant Bannister Tree-Ring Building - Lobby  
1215 E. Lowell Street (just east of the Math Building/on top of Math East)

8:30am -- 9:20am	Analisa Calini Curve Flows and Soliton Equations: the case of the vortex filament.
9:30am -- 10:20am	Leonard Choup Gaussian orthogonal Ensemble revisited
10:30am -- 11:00am	Coffee Break
11:00am -- 11:50am	Igor Rumanov Classical integrability for beta-ensembles and general Fokker-Planck equations.
12:00pm -- 2:00pm	Lunch
2:00pm -- 2:25pm	Robert Jenkins
2:30pm -- 2:55pm	Anton Dzhamay Hamiltonian Description of Schlesinger Transformations and the Geometry of Discrete Painlevé Equations
3:00pm -- 3:25pm	Coffee Break
3:30pm -- 5:30pm	Working Group Meetings

Thursday, October 24. El Portal Building - Saguaro Room  
 501 N. Highland Ave (Next door to Highland Market/corner of Highland and 6th St.)

8:30am -- 9:20am	Seung-Yeop Lee Topology of 2D equilibrium measure
9:30am -- 10:20am	Alfredo Deaño: Partition function in the Hermitian random matrix model with cubic potential
10:30am -- 11:00am	Coffee Break
11:00am -- 11:50am	Adrián Espínola-Rocha Riemann Surfaces associated to the Nonlinear Schrödinger equation: A Kamchatnov-Kraenkel-Umarov spectral problem approach
12:00pm -- 2:00pm	Lunch
2:00pm -- 3:30pm	Working Group Meetings
3:30 -- 4:00pm	Coffee Break (in Math Building Room ???)
4:00pm -- 5:00pm	Mathematics Colloquium (independent of but related to the conference) Maciej Zworski Math Building Room 501

Friday, October 25. El Portal Building - Saguaro Room  
 501 N. Highland Ave (Next door to Highland Market/corner of Highland and 6th St.)

8:30am -- 9:20am	Constance Schober
9:30am -- 10:20am	Robert Buckingham
10:30am -- 11:00am	Coffee Break
11:00am -- 11:50am	Pavel Bleher
12:00pm -- 2:00pm	Lunch
2:00pm -- 3:30pm	Working Group Meetings
4:00pm -- 5:00pm	Peter Miller -- Applied Mathematics Seminar Math Building Room 501 Weakly Dispersive Internal Waves

Saturday, October 26. El Portal Building - Saguaro Room  
501 N. Highland Ave (Next door to Highland Market/corner of Highland and 6th St.)

8:30am -- 9:20am	Barbara Shipman: Lorentz-Conformal Transformations in the Plane
9:30am -- 10:20am	Thomas Bothner: Transition asymptotics for the sine-kernel determinant
10:30am -- 11:00am	Coffee Break
11:00am -- 11:25am	David Smith: Well-posedness and spectral representation of linear initial-boundary value problems
11:30am -- 11:55am	Virgil Pierce
12:00pm -- 2:00pm	Lunch
2:00pm -- 3:30pm	Working Group Meetings
3:30pm -- 4:00pm	Coffee Break
4:00pm -- 5:00pm	Working Group Meetings

Sunday, October 27. El Portal Building - Saguaro Room  
501 N. Highland Ave (Next door to Highland Market/corner of Highland and 6th St.)

9:00am -- 10:30am	Working Group Meetings
10:30am -- 11:00am	Coffee Break
11:00am -- 12:30pm	Working Group Meetings

Organizing Committee: Ken McLaughlin, Guadalupe Lozano and Virgil Pierce