

# Liouville Gravity And Statistical Models

International conference in memory of  
**Alexei Zamolodchikov**

## June 21, Saturday

10:00–11:00 Registration, coffee

11:00–11:10 Opening

11:10–12:00 Chaiho Rim,

*Sinh-Gordon Boundary TBA and Boundary Liouville Reflection  
Amplitude*

12:00–12:50 Vladimir Kazakov,

*Proof of Bazhanov-Reshetikhin determinant formula and Zamolodchikov's  
Y-system for supersymmetric spin chains*

13:00–14:30 Lunch

14:30–15:20 Feodor Smirnov,

*Hidden fermionic structure in XXZ model*

15:20–16:10 Lev Lipatov,

*BFKL Pomeron and integrability in  $N=4$  SUSY*

16:10–16:30 Coffee break

16:30–17:15 Mikhail Polikarpov,

*Entanglement entropy for fields and strings on the lattice*

17:15–18:00 Noboru Kawamoto,

*Twisted Lattice SUSY on a Lattice*

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## June 22, Sunday

10:00–10:50 Tohru Eguchi,

*$N=2$  Liouville Theory*

10:50–11:20 Coffee break

11:20–12:10 Tetsuji Miwa,

*Constructing fermions acting on the space of operators for XXZ model*

12:10–13:00 Giuseppe Mussardo,

*Non-integrable field theories and confinement of the kinks*

13:00–14:30 Lunch

14:30–15:30 Tom Banks,

*Holography, Supersymmetry and de Sitter Space*

15:30–16:10 Patrick Dorey,

*Differential equations and integrability*

16:10–16:30 Coffee break

16:30–17:10 Daniel Friedan,

*Supersymmetric 1+1d boundary field theory*

17:10–18:00 Philippe Di Francesco,

*Integrable combinatorics: from qKZ to ASM and TSSCPP*

18:00–18:40 Irina Arefeva,

*TBA*

19:00– Banquet

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## June 23, Monday

10:00–10:50 Vladimir Bazhanov,

*Quantum Geometry of 3-dimensional lattices*

10:50–11:20 Coffee break

11:20–12:10 Ryu Sasaki,

*Exactly solvable Quantum Mechanics and dynamical symmetry algebras*

12:10–13:00 G. von Gehlen, N. Iorgov(speaker), S. Pakuliak, V. Shadura and  
Yu. Tykhyy,

*Form-factors in the Baxter-Bazhanov-Stroganov model*

13:00–15:00 Lunch

15:00–15:50 Alexander Zamolodchikov (with A. Belavin),

*On the correlation numbers in minimal gravity and matrix models*

15:50–16:30 Leonid Chekhov,

*Teichmueller spaces of orbifold Riemann surfaces*

16:30–17:00 Coffee break

17:00–17:40 Yukitaka Ishimoto,

*The massive perturbation in 2d Liouville gravity and its classical limit*

17:40–18:30 Kazuo Hosomichi

*Minimal open strings*

18:30–18:40 Coffee break

18:40–19:30 Andrei Marshakov,

*Two-dimensional gravity and dispersionless integrable hierarchies*

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## June 24, Tuesday

10:00–10:50 Ed Corrigan,

*Some aspects of integrable shocks*

10:50–11:40 Sergei Lukyanov,

*Integrable "perturbations" of the hairpin*

11:40–11:50 Coffee break

11:50–12:40 Ivan Kostov,

*Boundary flows in 2D quantum gravity*

12:40–13:30 Francois David,

*RNA folding problems: an example of planar random geometry*

13:30–15:00 Lunch

15:00–15:50 Yaroslav Pugai (with V. Fateev),

*Scaling fields in perturbed  $Z(N)$  PF CFT*

15:50–16:40 Gesualdo Delfino,

*TBA*