Nov. 27(Mon)

10:00-12:45 Session 1

Morikazu Toda
    Opening Address
Mark Alber
    The Complex Geometry of Weak Piecewise Smooth Solutions of Integrable Nonlinear Equations.
Frank Nijhoff
    On a lattice system associated with an elliptic curve.
Simon Ruijsenaars (30min)
    On special functions solving analytic difference equations.

14:00-15:45 Session 2

Ryogo Hirota (30min)
    How to find conserved quantities of nonlinear ordinary difference equations.
Claire Gilson
    Pfaffians and discrete Equations
Serguei Leble
    Chain equations associated to Soliton Systems.
Boris Konopelchenko
    D-bar approach to the dispersionless KP hierarchy.

16:15-18:00 Session 3

Vsevolod Adler (30min)
    On the discretizations of the Landau-Lifshitz equations.
Pavel Winternitz
    Continuous Symmetries Acting on Difference Equations and Lattices.
Decio Levi
    Integrable Discrete Equations on the Lattice and their Symmetries.
Vladimir Dorodnitsyn
    Invariant difference model for nonlinear Schrödinger equation with conservation of Lagrangian structure.

Nov. 28(Tue)

9:30-11:40 Session 4

Daisuke Takahashi
    Pattern Formation Mechanism and Max-Plus Equation
Reinout Quispel
    Piecewise-linear integrable systems.
Mark J. Ablowitz (30min)
    Reversible Cellular Automata Evolution equations-with Boundaries.
Atsuo Kuniba
    Soliton cellular automata and crystal bases
Anatol Kirillov
    Schutzenberger's involution and discrete Hirota's equations.

14:30-15:50 Session 5

Martin Kruskal (30min)
    The Painlevé test (singularity confinement property) for discrete and continuous systems, and how they're related.
Nalini Joshi
    Expansions of Nonlinear Difference Equations.
Xing Biao Hu
    Some new integrable differential-difference systems with their bilinear forms.

16:20-18:20 Session 6

Evgueni Sklyanin (30min)
    Bäcklund transformation and Baxter's Q-operator.(tentative)

Orlando Ragnisco
    On the Classical and Quantum Gaudin Magnet.

Alexandre Orlov
    Hypergeometric functions of matrix argument as KP tau-function.

Rinat Kashaev
    Integrable structure of the quantum discrete Liouville model in the strongly coupled regime.

Sergei Sergeev
    Complex of three dimensional integrable models.

Nov. 30(Thur)

9:30-11:40 Session 7

Katsuhiro Nishinari
    Burgers cellular automaton and its applications.

Robert Conte
    The elementary Schlesinger transformation of the sixth Painlevé equation and the ensuing discrete equations.

Peter A. Clarkson
    On the derivation of discrete Painlevé equations from Bäcklund transformations of Painlevé equations.

Masatoshi Noumi (30min)
    Symmetry of the q-Painlevé IV equation, I

Kenji Kajiwara
    Symmetry of the q-Painlevé IV equation, II

14:30-15:40 Session 8

Basil Grammaticos
    Who cares about the Painlevé property?

Alfred Ramani
    Towards the discrete analogue of the Painlevé property: Nevanlinna meets singularity confinement

K.M. Tamizhmani
    A panorama of the special solutions of the Painlevé equations

16:10-18:15 Session 9

Hidetaka Sakai (30min)
    Rational surfaces and geometry of the Painlevé equations

Valeri Gromak
    Discrete Painlevé equations of the higher order.

Claude Viallet
    On the algebraic entropy of discrete rational systems

Juris Suris
    Reduction and integrability in discrete Lagrangian systems.

Rod Halburd
    The Painlevé Property for Difference Equations.

Dec. 1(Fri)

9:30-11:40 Session 10

Andreas Ruffing
   Difference Equations for Generalized q-Hermite Polynomials.
Said Belmehdi
   How to recover classical orthogonal polynomials and their relatives?
Claude Brezinski (30min)
   Dynamical systems and sequence transformations.
Mourad Ismail
   Asymptotics of Orthogonal Polynomials.

Walter Van Assche (30min)
   The continuum limit of the Toda lattice and discrete orthogonal polynomials.

13:40-15:25 Session 11

Jean-Pierre Ramis (30min)
   About some recent results on linear q-difference equations. (tentative)
Alexei Zhedanov
   A discrete-time integrable chain and a family of biorthogonal rational functions on elliptic grids.
Manuel Manas
   Integrable lattices: i) Generation from integrable nets. ii) Explicit solutions.
Adam Doliwa
   The multidimensional quadrilateral lattice equation as the universal integrable equation.

15:55-17:50 Session 12

Paolo Santini
   How to construct and simultaneously solve geometrically significant ordinary differential (or difference) equations of Painlevé type.
Flora Pempinelli
   A recursive formula for the spectrum of discrete data.
Marco Boiti
   An integrable discrete system on the semi-line.
Micheline Musette
   Nonintegrable differential-difference equations supporting kink and soliton solutions.
Jerzy A. Zagrodinski
   Multiple addition theorem for discrete and continuous nonlinear problems

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Posters:

Y.M. Chiang
On the growth of meromorphic solutions of linear differential equations in the complex plane
Yoshiaki Itoh
Explicit sufficient invariants for an interacting particle system
M. Iwasaki, Y. Nakamura, S. Tsujimoto
Calculation of Singular Values by the Discrete Lotka-Volterra System.
Klara Janglajew
1.Investigation of a linear stochastic system of difference equations. 2.On the factorization of difference operator
Saburo Kakei and Yasuhiro Ohta
Differential-difference system related to toroidal Lie algebra
Masaru Kamata
On a q-analog of the ADHM construction.
Decio Levi
Discrete Derivatives and Symmetries of Linear Difference Equations.
Ken-ichi Maruno
Bilinear Structure for Relativistic Deformation of Soliton.
Tetsu Masuda
Discrete Painlevé equations associated with the root system of type $A_3^{(1)}$ and their rational solutions.
Shigeki Matsutani
Difference-difference Lotka-Volterra equation in p-adic number space
Yukitaka Minesaki
Discrete relativistic Toda molecule equation and continued fractions.
Katsuya Nakagawa and Haruo Yoshida

A list of all integrable 2D homogeneous polynomial potentials with a polynomial integral of order at most 4 in the momenta.

Atsushi Nobe, Junkichi Satsuma and Tetsuji Tokihiro

Stable difference equations associated with Elementary Cellular Automata

Michitomo Nishizawa

Multiple Elliptic Gamma Function.

Noriko Saitoh

On the behavior of solutions to discrete Lotka-Volterra systems I.

Nobuhiko Shinzawa

Discrete analog of Generalized Sine-Gordon and Generalized Wave Equation.

Tomoyuki Takenawa

The Hietarinta-Viallet equation as a birational mapping

Tamizharasi Tamizhmani

The rational and soliton solutions of differential-difference equations.

Kouichi Toda

Study on Alternative higher-dimensional mKdV equation.

Takayuki Tsuchida

Integrable Discretizations of Derivative Nonlinear Scrhödinger Equations.

Katsuhiko Yoshida

On the behavior of solutions to discrete Lotka-Volterra systems II.

Fumitaka Yura

Soliton Cellular Automaton and Quantum Computing

R.K. Bullough

Q-deformed solitons and quantum solitons of the q-deformed Maxwell-Bloch and sine-Gordon lattices (top of page)