

**Ministry of Higher and Secondary Special
Education of the Republic of Uzbekistan**

**Malaysian Mathematical Sciences Society
(PERSAMA)**

**Programme
of
The International Training and Seminars on
Mathematics
(ITSM 2011)**

**3th –5th June 2011
Samarkand, Uzbekistan**

Organized by



**SAMARKAND STATE
UNIVERSITY,
SAMARKAND,
UZBEKISTAN**



**PERSATUAN SAINS
MATEMATIK MALAYSIA
(PERSAMA) *Malaysian
Mathematical Sciences
Society***

The International Training and Seminars on Mathematics (ITSM 2011)

3th –5th June 2011

Samarkand, Uzbekistan

Local Organizing committee:

The Chairman- **Prof. Dr. Temur Shirinov** (Rector of Samarkand State University)

The Deputy of Chairman- **Prof. Ahmadjon Soleev** (Deputy Rector of Samarkand State University)

Coordinator- **Assoc. Prof. Khaydar Ruzimuradov** (Head of Department of Algebra and Geometry).

Our address is: Faculty of Mechanics and Mathematics, Samarkand State University, University Boulevard 15, Samarkand city, 140104, Uzbekistan.

ITSM 2011 web-site: <http://rxx1961.zn.uz/>

e-mail: rxx05@mail.ru, rxx1961@samdu.uz

Appointment date: 4-5 June 2011

First day schedule (4.06.2011)

Time: 9-12 am

Arrival: 8:50 am (ass.prof. Dr. Haydar Ro'zimurodav will meet the delegation at the entrance of the University).

Venue: Conference Hall, Samarkand State University

Opening ceremony: 9:00 – 9:20 am

Keynote Speaker's talk: 9.20-10:30 am

1. Prof. Dr. Mohd Salmi Mohd Noorani. Some results on closed-orbit counting.
2. Prof. Dr. Saidakhmat N. Lakaev. Threshold effects for the two and three particle Discrete Schrödinger Operators.

Refreshment (Light): 10:30-11:00 am

Section talks: 11:10-12:30

Section I: Power geometry on algebraic and differential equation.

Samarkand State University, Main building, Room 315

Presentations (15 min)

Chairman: Prof A. Soleev

1. Prof. Dr. Akhmadjon SOLEEV. General approach to the power geometry.
2. Assoc. Prof. Dr. Mat Rofa Ismail. Islamic Epistemology of education: Integration of Intellect Values in Mathematical values
3. Assoc. Prof. Dr. Habsah Ismail. Plato's Mathematical Forms: An Islamic Critique
4. Assoc. Prof. Dr. Ibragimov Gafurjan A Differential Game Described by an Infinite System of Differential Equations.
5. Assoc. Prof. Dr. U.Dj. Bekbaev. The Symmetric Product of Matrices .

12.30 – 13.30. Dinner

13.30 – 14.00. Free time

14.00 – 18.00. Sightseeing

Section II: Mathematical analysis and Dynamic systems.

**Samarkand State University, Main building, Room 314
Presentations (15 min)**

Chairman: Prof. Akhtam Dzhaliyov

1. Prof., Dr. Akhtam Dzhaliyov. The Additional Gibbs States for infinite Toda Chain.
2. Prof Dr. Maslina Darus. A series of derivative operators for analytic functions.
3. Prof. Dr. Abdumalik Rakhimov. Fourier Series of Distribution.
4. Prof Dr. Daud Mohamad. On Ranking Fuzzy Numbers Method using Area Dominance Approach.
5. O.M.Dusmatov, M.U.Khodjabekov. Exploration of stability of hysteresis type dynamic systems which are protected from vibrations
6. Akhtam Khatamov. On The Best Approximation of Functions With Derivative of Generalized Finite Variation By Polynomial Splines

12.30 – 13.30. Lunch

13.30 – 14.00. Free time

14.00 – 18.00. Sightseeing

Section III: Modern problems of applied mathematics.

**Samarkand state university, Main building, Room 203
Presentations (15 min)**

Chairman: Zainidin K. Eshkuvatov

1. Zainidin K. Eshkuvatov. Romberg Method for the Product Integral on the Infinite Interval
2. Assoc. Prof Roslinda Mohd Nazar. Numerical solution of stagnation-point flow and heat transfer towards a shrinking sheet in a nanofluid.
3. Prof. Ablakul Abdirashidov, Shavkat Berdiyev, Baxrom Aminov. Elastoplastic deformation of reservoir walls.

4. Assoc. Prof. Dr. Fudziah Ismail. Seventh Order Explicit Hybrid Methods for solving special second order Initial Value Problems
5. Ahmad Abd. Majid. Extended Cubic B-Spline for Linear Two Point Boundary Value Problems.

12.30 – 13.30. Lunch
13.30 – 14.00. Free time
14.00 – 18.00. Sightseeing

Section IV: Modern problems of mathematical physics.

Samarkand State University, Main building, Room 313

Presentations (15 min)

Chairman: Prof Dr. S. Lakaev

1. Prof. Dr. Sidek Abdul Aziz. On the grüneisen parameter and elastic model for superionic silver borate glass
2. Assoc. Prof. Dr. Maheran Mohd Jaffar. *Musyarakah* models of joint venture investments between two parties.
3. prof. Dr. T. Ishankulov. Continuation of the solution of the inhomogeneous Cauchy – Riemann equation.
4. Prof. Dr. Janikul I. Abdullaev. Asymptotics of eigenvalues of a system of two bosons on a lattice.
5. prof. Dr. Durdiyev. Two – Dimensional Inverse Problem for a Hyperbolic – Type Equation
6. ass.prof. Z.I. Muminov. Point Interaction Between Two Fermions And One Particle Of A Different Nature On The Three Dimensional Lattice

12.30 – 13.30. Lunch
13.30 – 14.00. Free time
14.00 – 18.00. Sightseeing

Section V: Network Management, Scientific and Parallel computing

Samarkand state university, Main building, Room 202

Presentations (15 min)

Chairman: Prof. Dr. Mohamed Othman.

1. Prof. Dr. Mohamed Othman. TCP with Adaptive Delayed ACK Strategy in Multi-hop Wireless Networks
2. Prof Dr. Arsmah Ibrahim. Edge detection of abnormalities in mammograms using low cost distributed parallel computing system.
3. Jumanov I.I., Tishlikov S.A., The control of the text information transfer and processing reliability on the basis of technology of parallel computing
4. Dr., Prof. Igamberdiyev H.Z., Abdurakhmanova Y. M., Zaripov O. O.Synthesis of Algorithms Generalized Estimation Dynamic Systems on The Basis of Regular Methods.
5. Dr. Fatimah Sidi. Data Quality Dimension in Datawarehouse.
6. Dr. Marzanah Binti A. Jabar. Requirement Engineering: Eliciting user requirement using interrogative elements.

12.30 – 13.30 - Lunch

13.30 – 14.00 - Free time

14.00 – 18.00 - Sightseeing

Section VI: Probability Theory and Statistics

Samarkand state university, Main building, Room 320

Presentations (15 min)

Chairman: Prof. Dr. Noor Akma Ibrahim

1. Prof. Dr. Noor Akma Ibrahim. Generalized log-rank test for partly interval-censored survival data via multiple computation
2. Prof .Dr. Kamarulzaman Ibrahim .On Some Goodness of Fit Tests For Testing Logistic Distribution Under Simple And Ranked Set sampling
3. Associate Professor Dr Noriszura Ismail. Functional form for the generalized Poisson regression model and its application in insurance.

4. Dr. Ajab Bai Binti Akbarally. Coefficient Inequalities For A Class of Multivalent Analytic Functions of Bazilevic Type Defined By Ruscheweyh Derivatives.
5. Azam IMOMOV. On asymptotic properties of total progeny in q-processes.

12.30 – 13.30 - Lunch

13.30 – 14.00 - Free time

14.00 – 18.00 - Sightseeing

SECOND DAY SCHEDULE (5.06.2011)

Time: 9.00-10.20 am

POSTERS

Samarkand State University, Main building, Second floor foyer.

Section I: Power geometry on algebraic and differential equation.

1. Haydar Ruzimuradov. Uniform Distributions of Lattice Points
2. Akram H. Begmatov and Z. H. Ochilov. Integral geometry problems on a plane and the D'Alembert mappings of symmetric domains.
3. Prof., Dr. Khaydarov A. M. Rustamov. On Inverse Problems for Hyperbolic Equations
4. F. R. Tursunov, Z. Malikov. On the Cauchy problem for first – order elliptic systems.
5. B.R. Zaynalov. Triviality of homology simplicial's schemes unimodular's repers over rings of arithmetic type
6. T.E. Buriyev, V.E. Ergashev, Ya. Muxtarov. Periodical regimes in volterra model of three populations.
7. Ulugbek Narzullaev. Decomposition of the arbitrary subgroup of the Sylow's p - subgroup

Section II: Mathematical analysis and Dynamic systems.

1. Akhtam Dzlalilov and Rasul Mardiyev. Singular Integral Operators with Shift on the Circle.
2. Yakhshiboev M.U., Yakhshiboev A.M., Fractional integro-differentiation by Chen-Hadamard .
3. Absalamov T. (Samarkand). Soluablity of non-linear polysingular integral equation in the space \tilde{Z}_{ω}^p .
4. A.U. Arzikulov. About Item Response Theory models.
5. Ashurova Z.R. Juraeva. N. Yu. Problem of regularization for growing polyharmonic functions of some class.
6. Hoitmetov U.A. Integration of the general Korteweg-de Vries equation with self-consistent source of integral type in the class of rapidly decreasing complex-valued functions .
7. K.O. Makhmudov. On the Cauchy Problem for the Helmholtz Equation
8. A.R. Safarov. Estimates for oscillatory integrals with some model phases

Section III: Modern problems of applied mathematics.

1. Kh. Turaev, A. Mamatkobilov., E. Urunbayev. Automation Of Output Of Mathematical Model Of Movement Of A Car And Eformation Of Its Tires
2. **Dr. Saiful Hafizah Binti Jaaman.** Technical Analysis Employing Fuzzy System
3. Khudoynazarov Kh. Kh., Burkutboyev Sh. M. Modeling and analysis of torsional vibrations of rotating cylindrical shell.
4. B.E. Davronov. Optimal positional control by linear dynamic system in a class of relay functions.
5. Khudoynazarov Kh.Kh., Nishonov U.A, Karshiev A.B. Nonlinear Modelling Elastic Deformation Of Ribbed Plate.
6. Mubin Suyarshayev, Nigora Nizamova. Solving One Problem With Unknown Boundary.

Section IV: Modern problems of mathematical physics.

1. Mukhiddin I. Muminov, A. Omonov. On the number of eigenvalues lying in the gap of the continuum of three-particle Schrödinger operators on lattice.
2. Rasulov T.H. Muminov M.I., Hasanov M. Investigations Of The Spectrum Of A Operator Matrix
3. **Abdurahim A. Okhunov, Normalization of wave function of band states**
4. U.N.Kuljanov. The spectral properties of the one-particle schödinger operator on the two-dimensional lattice.
5. Sh.H.Kurbonov. Under of eigenvalues of the family of friedrichs models .
6. Abdukarimov I.Islomov. The Cauchy problem for the Helmholtz equation
7. Sh.Yu.Holmatov. Asymptotics Of The Eigenvalues Discrete Schrodinger Operators
8. A.M. Khalkhujaev, Sh.S. Lakaev . Asymptotics Of Eigenvalues Of The Discrete Schrödinger Operators
9. G.A.Khasanov. Estimates for two-dimensional trigonometric integrals with special phase
- 10.Sh.M. Latipov. On The Eigenvalues Of The Two-Channel Molecular-Resonance Model.
- 11.Tulkin Mamatov. Mixed Fractional Integration Operators In Mixed Hölder Spaces.
- 12.Sattorov Ermamat, Ermamatova Maftuna. On the continuation of the solutions of a generalized Cauchy-Riemann system in R^n
- 13.S.N.Lakaev, S.S.Ulashov. The existence and analyticity of bound state of the discrete schrödinger operators on lattice.

Section V: Network Management, Scientific and Parallel computing

1. A.R.Akhatov, G.I.Zaripova.
2. Olimjon I. Djumanov, Sunatillo M.Kholmonov.
3. Igamberdiyev Husan Zakirovich, Yusupbekov Azizbek Nodirbekovic. Regular Synthesis Algorithms It Is Adaptive Invariant Control Systems Of Dynamic Objects

4. **Assoc. Prof Dr. Mohamed Hasan Selamat.** Petri nets over groups and their languages.
5. **Prof. Dr. Mohamed Othman** Implementation of a parallel modified explicit group accelerated over-relaxation algorithm on distributed memory architecture.

Section VI: Probability Theory and Statistics

1. Kurbanov Habibulla. On asymptotical theorems for distributions queue length of dual systems $M|G|1|N$ and $GJ|M|1|N-1$.
2. Faridatulazna Ahmad Shahabuddin. Goodness of Fit test for Ranked Set Sampling
3. Dr. Seripah Binti Awang Kechil. Similarity solutions of mixed convective surface-tension-driven boundary layer flow.
4. Dr. Fuziyah Ishak. Solving delay differential equations by using parallel techniques.

Refreshment (Light): 10:20-10:40 am

11.00- 12.00 - Visit to Samarkand Filial of Tashkent University of Information Technology

Closing Ceremony: 12:00 -12:30

Appreciations (Both sides will present appreciations): 12:15-12:30 am

Lunch: 12:30-13:30

Depart time: 14:00 am

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