



**THE 16TH ASIAN LOGIC  
CONFERENCE**



TIME	Schedule	June 17(Monday)										
8:00	Registration (Block 7, 2 floor)											
9:00	Opening ceremony(Block 7, 2 floor, room: 7.e222)											
9:15	<b>Plenary talk</b> , Chair: Sergey Goncharov. Sakae Fuchino: <i>Strong Löwenheim-Skolem Theorem of stationary logics, game reflection principles, and generically supercompact cardinals.</i>											
10:15	Coffee break.											
	<b>Philosophical Logic</b> Chair: A.V.Pietarinen	Contributed talks, Chair:Jungk Lee										
10:35	<p>Minghui Ma <i>Weakenings of Belnap-Dunn Four-Valued Logic.</i></p> <p>11:25 KatsuhikoSano:  <i>Goldblatt-Thomason theorems for non-classical logics.</i></p>	10:35 A.Nurakunov, M.M. Stronkowski: <i>Profiniteness in the varieties is not decidable.</i>										
11:25		10:55 B.Baizhanov, A.Mukankyzy: <i>Dp-rank in different classes of theories.</i>										
		11:15 JinhooAhn: <i>Mekler's construction on NSOP<sub>1</sub> theories.</i>										
		11:35 M.Kassymetova: <i>Uncountable categorical central type of robinson spectrum.</i>										
		Contributed talks, Chair: R.Takhanov										
		A.Kazimirov: <i>Complexity and minimization of ESOP representations formultiple-output logic functions.</i>										
		A.Mantsivoda, D.Ponomaryov: <i>On the semantic document modelling.</i>										
		A.Nechesov: <i>Semantic programming.</i>										
12:15	LunchBreak											
14:00	<b>Plenary talk</b> , Chair: Yang Yue <b>Nikolay Bazhenov:</b> <i>Rogerssemilattices and their first-order theories.</i>											
15:00	Coffee break											
15:30	<b>Modeltheory</b> ,Chair: B.Baizhanov	Contributed talks, Chair:NurlanKogabaev										
16:20	<p>Viktor Verbovskiy : <i>On the sets and functions definable in ordered Abelian groups.</i></p> <p>Ningyuan Yao: <i>On groups over Qp with definable f-generic types</i></p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">15:30</td> <td>N.Khisamiev, S.Tynybekova: <i>On effectively p-decomposable abelian groups.</i></td> </tr> <tr> <td style="text-align: center;">15:50</td> <td>Luca San Mauro: <i>The complexity of homomorphismsbetween groups</i></td> </tr> <tr> <td style="text-align: center;">16:10</td> <td>A.Morozov, J.Tussupov:<i>On Δ-denability on families ofpredicates.</i></td> </tr> <tr> <td style="text-align: center;">16:30</td> <td>M.Nurizinov,R.Tyulyubergenev <i>On computable subgroup of nilpotent group.</i></td> </tr> <tr> <td style="text-align: center;">16:50</td> <td>Takako Nemoto, <i>Recursion Theoretic Reducibility in Constructive Mathematics.</i></td> </tr> </table>	15:30	N.Khisamiev, S.Tynybekova: <i>On effectively p-decomposable abelian groups.</i>	15:50	Luca San Mauro: <i>The complexity of homomorphismsbetween groups</i>	16:10	A.Morozov, J.Tussupov: <i>On Δ-denability on families ofpredicates.</i>	16:30	M.Nurizinov,R.Tyulyubergenev <i>On computable subgroup of nilpotent group.</i>	16:50	Takako Nemoto, <i>Recursion Theoretic Reducibility in Constructive Mathematics.</i>
15:30	N.Khisamiev, S.Tynybekova: <i>On effectively p-decomposable abelian groups.</i>											
15:50	Luca San Mauro: <i>The complexity of homomorphismsbetween groups</i>											
16:10	A.Morozov, J.Tussupov: <i>On Δ-denability on families ofpredicates.</i>											
16:30	M.Nurizinov,R.Tyulyubergenev <i>On computable subgroup of nilpotent group.</i>											
16:50	Takako Nemoto, <i>Recursion Theoretic Reducibility in Constructive Mathematics.</i>											



**THE 16TH ASIAN LOGIC  
CONFERENCE**



TIME	Schedule	June 18(Tuesday)		
<b>9:00</b>	<b>Plenary talk</b> , Chair: Guohua Wu <i>Serikzhan Badaev: Structure of c-degrees of positive equivalences.</i>			
<b>10:00</b>	Coffee break			
<b>10:30</b>	<b>Plenary talk</b> , Chair: A.Morozov <i>Zhiwei Sun: Further results on Hilbert's tenth problem.</i>			
<b>11:35</b>	<b>Logic in Computer Science.</b> Chair:Dietrich Kuske  Toru Takisaka: <i>Large Scale Geometries of Infinite Strings.</i>		<b>Contributed talks</b> , Chair:Y.Baisalov	<b>Contributed talks</b> , Chair:N.Bazhenov
		11:35	J.LEE: <i>Elementary theories of PAC structures via Galois groups.</i>	A.Issakhov: <i>On principal numberings of a family of total functions.</i>
		11:55	M.T. Omarova, G.E. Zhumabekova: <i>Strongly minimal central types of the class <math>[T] \in JS_p(A)</math> which has essential geometric base.</i>	S.Badaev,B. Kalmurzayev: <i>Remarks on positive preorders.</i>
		12:15	M.Bekenov: <i>semigroup of theories and lattices of idempotent elements</i>	M.Mustafa, S. Ospichev: <i>Notes on principal numberings in the Ershov hierarchy.</i>
<b>12:35</b>	Group photos and Lunch Break			
<b>14:00</b>	<b>Plenary talk</b> , Chair: Rod Downey <i>Dugald Macpherson: Definable sets in finite structures.</i>			
<b>15:00</b>	Coffee break			
	<b>Computability theory</b> , Chair: S.Badaev  <b>15:20</b> A.Frolov: <i>Computable vs low linear orders</i>  <b>16:10</b> Lu Liu: <i>Combinatorial implication of computability theory.</i>  <b>17:00</b> <b>Special session:</b> B.Baizhanov: Mathematical logic in Kazakhstan	Contributed talks, Chair: Katsuhiko Sano		Contributed talks, Chair:JiaLiang He
		15:30	J.Ciuciura: <i>On a family of the paraconsistent calculi.</i>	F.Pakhomov, <i>A weak set theory that proves its own consistency.</i>
		15:50	S.S.Basu, <i>A paraconsistent sub-logic of intuitionistic propositional logic.</i>	Jin Du: <i>The Tree Property and its Strengthenings at Small Cardinals.</i>
		16:10	V. Rybakov: <i>Multi-Agent's Logic with Branching Time</i>	G.Venturi, S. Jockwich, <i>Reasonable implicative algebra and set theory.</i>





**THE 16TH ASIAN LOGIC  
CONFERENCE**



<b>TIME</b>	<b>SCHEDULE</b>		<b>JUNE 19(WEDNESDAY)</b>									
<b>9:00</b>	<p align="center"><b>Plenary talk</b>, Chair: Toshimichi Usuba            Qi Feng: <i>On a first order theory approximating theoretic economics.</i></p>											
<b>10:00</b>	<p align="center">Coffee break</p>											
<b>10:30</b>	<p align="center"><b>Plenary talk</b>, Chair: Byunghan Kim            Beibut Kulpeshov: <i>The countable spectrum of weakly o-minimal theories of finite convexity rank.</i></p>											
<b>11:35</b>	<p><b>Computability theory</b>,            Chair: Takayuki Kihara             Nurlan Kogabaev: <i>Computable dimension and projective planes</i></p>	<p>Contributed talks, Chair: Viktor Verbovskiy</p> <table border="1" data-bbox="813 583 1474 888"> <tr> <td data-bbox="813 583 927 653">11:35</td> <td data-bbox="930 583 1474 653">B.Kasymkhanuly, A.Morozov: <i>On holographic structures.</i></td> </tr> <tr> <td data-bbox="813 657 927 726">11:55</td> <td data-bbox="930 657 1474 726">N.Markhabatov, <i>On ranks for families of permutation theories.</i></td> </tr> <tr> <td data-bbox="813 730 927 800">12:15</td> <td data-bbox="930 730 1474 800">ZU YAO TEOH: <i>Structural considerations of Ramsey algebras.</i></td> </tr> <tr> <td data-bbox="813 804 927 888">12:35</td> <td data-bbox="930 804 1474 888">S.Baizhanov, B.Kulpeshov, <math>V_p</math>-independence.</td> </tr> </table>			11:35	B.Kasymkhanuly, A.Morozov: <i>On holographic structures.</i>	11:55	N.Markhabatov, <i>On ranks for families of permutation theories.</i>	12:15	ZU YAO TEOH: <i>Structural considerations of Ramsey algebras.</i>	12:35	S.Baizhanov, B.Kulpeshov, $V_p$ -independence.
11:35	B.Kasymkhanuly, A.Morozov: <i>On holographic structures.</i>											
11:55	N.Markhabatov, <i>On ranks for families of permutation theories.</i>											
12:15	ZU YAO TEOH: <i>Structural considerations of Ramsey algebras.</i>											
12:35	S.Baizhanov, B.Kulpeshov, $V_p$ -independence.											
<b>12:25-14:00</b>	<p align="center">Lunch Break</p>											
<b>14:00-18:00</b>	<p><b>Excursion</b></p>											
<b>18:00</b>	<p align="center">Conference Dinner</p>											





**THE 16TH ASIAN LOGIC  
CONFERENCE**



<b>TIME</b>	<b>SCHEDULE</b>		<b>JUNE 20 (THURSDAY)</b>																				
<b>9:00</b>	<b>Plenary talk</b> , Chair: Dugald Macpherson Byunghan Kim: <i>A report on NSOP1 theories.</i>																						
<b>10:00</b>	Coffee break																						
<b>10:30</b>	<b>Plenary talk</b> , Chair: Zhiwei Sun Dietrich Kuske: <i>Automatic structures: the complexity of some natural decision problems.</i>																						
<b>11:35</b>	<b>Modeltheory</b> , Chair: Beibut Kulpeshov  Sergey Sudoplatov: <i>Classification of countable models of complete theories and its applications</i>	Contributed talks, Chair: Andrey Frolov <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">11:35</td> <td>Rod Downey: <i>Post's Programme Revisited</i></td> </tr> <tr> <td style="text-align: center;">11:55</td> <td>A. Frolov, I. Kalimullin, A. Melnikov, M. Zubkov: <i>Punctually computable copies of linear orders.</i></td> </tr> <tr> <td style="text-align: center;">12:15</td> <td>S. Aleksandrova, N. Bazhenov: <i>On classifications of relations on computable structures</i></td> </tr> </table>		11:35	Rod Downey: <i>Post's Programme Revisited</i>	11:55	A. Frolov, I. Kalimullin, A. Melnikov, M. Zubkov: <i>Punctually computable copies of linear orders.</i>	12:15	S. Aleksandrova, N. Bazhenov: <i>On classifications of relations on computable structures</i>														
11:35	Rod Downey: <i>Post's Programme Revisited</i>																						
11:55	A. Frolov, I. Kalimullin, A. Melnikov, M. Zubkov: <i>Punctually computable copies of linear orders.</i>																						
12:15	S. Aleksandrova, N. Bazhenov: <i>On classifications of relations on computable structures</i>																						
<b>12:35</b>	Lunch Break																						
<b>14:00</b>	<b>Plenary talk</b> , Chair: Manat Mustafa Takayuki Kihara: <i>Computability-theoretic methods in descriptive set theory.</i>																						
<b>15:00</b>	Coffee break																						
<b>15:30</b>	<i>Contributed talks</i> , Chair: A. Nurakunov <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">15:30</td> <td>Zh. Adil, <i>Existence of geometric theory congruent to a complete theory.</i></td> </tr> <tr> <td style="text-align: center;">15:50</td> <td>A.R. Yeshkeyev, N.M. Mussina, <i>Hybrid's core models of Jonsson theories.</i></td> </tr> <tr> <td style="text-align: center;">16:10</td> <td>A.R. Yeshkeyev, G.A. Urken, <i>Similarity of classes from Jonsson spectrum.</i></td> </tr> <tr> <td style="text-align: center;">16:30</td> <td>A.R. Yeshkeyev, A.K. Issayeva, <i>On <math>(\nabla_1, \nabla_2)</math>-cl atomic sets.</i></td> </tr> <tr> <td style="text-align: center;">16:50</td> <td>O. Ulbrikht, Jonsson <i>independence for <math>JS_p(A)</math>.</i></td> </tr> </table>	15:30	Zh. Adil, <i>Existence of geometric theory congruent to a complete theory.</i>	15:50	A.R. Yeshkeyev, N.M. Mussina, <i>Hybrid's core models of Jonsson theories.</i>	16:10	A.R. Yeshkeyev, G.A. Urken, <i>Similarity of classes from Jonsson spectrum.</i>	16:30	A.R. Yeshkeyev, A.K. Issayeva, <i>On <math>(\nabla_1, \nabla_2)</math>-cl atomic sets.</i>	16:50	O. Ulbrikht, Jonsson <i>independence for <math>JS_p(A)</math>.</i>	<i>Contributed talks</i> , Chair: J. Tussupov <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">15:30</td> <td>Nan Fang: <i>Granularity of wagers in games and the (im)possibility of savings.</i></td> </tr> <tr> <td style="text-align: center;">15:50</td> <td>N. Bazhenov, M. Marchuk, <i>Cantor-Bendixon ranks for almost prime models.</i></td> </tr> <tr> <td style="text-align: center;">16:10</td> <td>N. Mukash, <i>Remarks on joins and meets in the structure of positive preorders.</i></td> </tr> <tr> <td style="text-align: center;">16:30</td> <td>A.A. Konyrkhanova, <i>Retracts of the group <math>UT_3(Z)</math>.</i></td> </tr> <tr> <td style="text-align: center;">16:50</td> <td>McNicholl, Timothy, <i>Index sets of classes of Lebesgue spaces.</i></td> </tr> </table>		15:30	Nan Fang: <i>Granularity of wagers in games and the (im)possibility of savings.</i>	15:50	N. Bazhenov, M. Marchuk, <i>Cantor-Bendixon ranks for almost prime models.</i>	16:10	N. Mukash, <i>Remarks on joins and meets in the structure of positive preorders.</i>	16:30	A.A. Konyrkhanova, <i>Retracts of the group <math>UT_3(Z)</math>.</i>	16:50	McNicholl, Timothy, <i>Index sets of classes of Lebesgue spaces.</i>
15:30	Zh. Adil, <i>Existence of geometric theory congruent to a complete theory.</i>																						
15:50	A.R. Yeshkeyev, N.M. Mussina, <i>Hybrid's core models of Jonsson theories.</i>																						
16:10	A.R. Yeshkeyev, G.A. Urken, <i>Similarity of classes from Jonsson spectrum.</i>																						
16:30	A.R. Yeshkeyev, A.K. Issayeva, <i>On <math>(\nabla_1, \nabla_2)</math>-cl atomic sets.</i>																						
16:50	O. Ulbrikht, Jonsson <i>independence for <math>JS_p(A)</math>.</i>																						
15:30	Nan Fang: <i>Granularity of wagers in games and the (im)possibility of savings.</i>																						
15:50	N. Bazhenov, M. Marchuk, <i>Cantor-Bendixon ranks for almost prime models.</i>																						
16:10	N. Mukash, <i>Remarks on joins and meets in the structure of positive preorders.</i>																						
16:30	A.A. Konyrkhanova, <i>Retracts of the group <math>UT_3(Z)</math>.</i>																						
16:50	McNicholl, Timothy, <i>Index sets of classes of Lebesgue spaces.</i>																						
<b>TIME</b>																							



<b>SCHEDULE</b>		<b>JUNE 21 (FRIDAY)</b>							
<b>9:00</b>	<b>Plenary talk</b> , Chair: Jörg Brendle. Toshimichi Usuba: <i>Choiceless set-theoretic geology</i> .								
<b>10:00</b>	Coffee break and Announcement of ALC2021								
<b>10:30</b>	<b>Plenary talk</b> , Chair: Sakae Fuchino Ahti-Veikko Pietarinen: <i>A Graphical Method for Non-Classical Logics</i> .								
<b>11:35</b>	<b>SET THEORY</b> , Chair: Sergey Sudoplatov  Daisuke Ikegami: <i>On supercompactness of <math>\omega_1</math></i>	Contributed talks, Chair: A. Kazimirov, <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">11:35</td> <td>T. Tinchev: <i>Contact logics with qualitative measure</i>.</td> </tr> <tr> <td style="text-align: center;">11:55</td> <td>R. Takhanov, <i>Searching for an algebra on CSP solutions</i></td> </tr> <tr> <td style="text-align: center;">12:15</td> <td>M. S. Fiske, <i>Quantum random self-modifiable computation</i>.</td> </tr> </table>		11:35	T. Tinchev: <i>Contact logics with qualitative measure</i> .	11:55	R. Takhanov, <i>Searching for an algebra on CSP solutions</i>	12:15	M. S. Fiske, <i>Quantum random self-modifiable computation</i> .
11:35	T. Tinchev: <i>Contact logics with qualitative measure</i> .								
11:55	R. Takhanov, <i>Searching for an algebra on CSP solutions</i>								
12:15	M. S. Fiske, <i>Quantum random self-modifiable computation</i> .								
<b>12:35</b>	Lunch Break								
<b>14:00</b>	<b>LOGIC IN COMPUTER SCIENCE</b> Chair: Toru Takisaka  Marcin Jurdzinski- <i>Universal trees and quasi-polynomial bounds for games and automata</i>  Jiamou Liu: <i>Computational Complexity Issues in Hedonic Games on Graphs</i> .	<b>Philosophical Logic</b> Chair: Minghui Ma  Jiji Zhang: <i>A characterization of (weakly centered) Lewisian causal models</i> .	<b>SET THEORY:</b> Chair: Daisuke Ikegami,  JiaLiang He: <i>Some covering properties in metrizable groups</i> .  Osvaldo Guzman: <i>The Katětov order on MAD families</i> .						
<b>15:40</b>	Coffee break								
<b>16:00</b>	Contributed talks, Chair: Ningyuan Yao <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">16:00</td> <td>B. Baizhanov, T. Zambarnaya, <i>Properties of 2-formulas acting on a set of realizations of 1-type in a small ordered theory</i>.</td> </tr> <tr> <td style="text-align: center;">16:20</td> <td>B. Baizhanov, O. Umbetbayev, T. Zambarnaya, <i>Omitting and realizing countable sequences of types</i>.</td> </tr> <tr> <td style="text-align: center;">16:40</td> <td>Y. Baissalov, A. Aljouiee: <i>On surjective Jordan algebras</i>.</td> </tr> </table>			16:00	B. Baizhanov, T. Zambarnaya, <i>Properties of 2-formulas acting on a set of realizations of 1-type in a small ordered theory</i> .	16:20	B. Baizhanov, O. Umbetbayev, T. Zambarnaya, <i>Omitting and realizing countable sequences of types</i> .	16:40	Y. Baissalov, A. Aljouiee: <i>On surjective Jordan algebras</i> .
16:00	B. Baizhanov, T. Zambarnaya, <i>Properties of 2-formulas acting on a set of realizations of 1-type in a small ordered theory</i> .								
16:20	B. Baizhanov, O. Umbetbayev, T. Zambarnaya, <i>Omitting and realizing countable sequences of types</i> .								
16:40	Y. Baissalov, A. Aljouiee: <i>On surjective Jordan algebras</i> .								