

PROGRAM OF The 16th Asian Logic Conference

Time		Monday, June 17		
8:00	Registration (Block: 7, floor: 2)			
9:00	Opening ceremony (Block: 7, floor: 2, room: 7.e222)			
9:15	Plenary talk		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			
	Philosophical Logic Chair: A.V. Pietarinen	Contributed talks Chair: Junguk Lee		Contributed talks Chair: R. Takhanov
10:35	Minghui Ma: <i>Weakenings of Belnap–Dunn Four-Valued Logic.</i> Katsuhiko Sano: <i>Goldblatt–Thomason theorems for non-classical logics.</i>	10:35	A.Nurakunov, M.M. Stronkowski: <i>Profiniteness in the varieties is not decidable.</i>	A.Kazimirov: <i>Complexity and minimization of ESOP representations for multiple-output logic functions.</i>
11:25		10:55	B. Baizhanov, A. Mukankyzy: <i>Dp-rank in different classes of theories.</i>	A. Mantsivoda, D. Ponomaryov: <i>On the semantic document modelling.</i>
		11:15	Jin-Hoo Ahn: <i>Mekler's construction on NSOP₁ theories.</i>	A. Nechesov: <i>Semantic programming.</i>
		11:35	M. Kassymetova: <i>Uncountable categorical central type of robinson spectrum.</i>	
12:15	Lunch Break			
14:00	Plenary talk		Chair: Yang Yue	
	Nikolay Bazhenov: <i>Rogers semilattices and their first-order theories.</i>			
15:00	Coffee Break			
	Model theory Chair: B. Baizhanov	Contributed talks Chair: N. Kogabaev		
15:30	Viktor Verbovskiy: <i>On the sets and functions definable in ordered Abelian groups.</i> Ningyuan Yao: <i>On groups over Q_p with definable f-generic types.</i>	15:30	N. Khisamiev, S. Tynybekova: <i>On effectively p-decomposable abelian groups.</i>	
16:20		15:50	Luca San Mauro: <i>The complexity of homomorphisms between groups.</i>	
		16:10	A. Morozov, J. Tussupov: <i>On Δ-denability on families of predicates.</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>	

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Time		Tuesday, June 18		
9:00	Plenary talk	Chair: Guohua Wu Serikzhan Badaev: <i>Structure of c-degrees of positive equivalences.</i>		
10:00	Coffee break			
10:30	Plenary talk	Chair: A. Morozov Zhiwei Sun: <i>Further results on Hilbert's tenth problem.</i>		
	Logic in Computer Science Chair: Dietrich Kuske	Contributed talks Chair: Y. Baisalov		Contributed talks Chair: N. Bazhenov
11:35	Toru Takisaka: <i>Large Scale Geometries of Infinite Strings.</i>	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 $[T] \in JS_p(A)$ 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>
12:35	Group Photos & Lunch Break			
14:00	Plenary talk	Chair: Rod Downey Dugald Macpherson: <i>Definable sets in finite structures.</i>		
15:00	Coffee Break			
	Computability theory Chair: S. Badaev	Contributed talks Chair: Katsuhiko Sano		Contributed talks Chair: Jia Liang He
15:20	A. Frolov: <i>Computable vs. low linear orders.</i>	15:30	J. Ciuciuira: <i>On a family of the paraconsistent calculi.</i>	F. Pakhomov: <i>A weak set theory that proves its own consistency.</i>
16:10	Rod Downey: <i>Post's Programme Revisited.</i>	15:50	S.S. Basu: <i>A paraconsistent sub-logic of intuitionistic propositional logic.</i>	Jin Du: <i>The Tree Property and its Strengthening's at Small Cardinals.</i>
17:00	Special session B. Baizhanov: <i>Mathematical logic in Kazakhstan.</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>

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Time		Wednesday, June 19	
9:00	Plenary talk	Chair: Toshimichi Usuba	
	Qi Feng: <i>On a first order theory approximating theoretic economics.</i>		
10:00	Coffee break		
10:30	Plenary talk	Chair: Byunghan Kim	
	Beibut Kulpeshov: <i>The countable spectrum of weakly ω-minimal theories of finite convexity rank.</i>		
	Computability Theory Chair: Takayuki Kihara	Contributed talks Chair: Viktor Verbovskiy	
11:35	Nurlan Kogabaev: <i>Computable dimension and projective planes.</i>	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: <i>V_p-independence.</i>
12:25 -14:00	Lunch Break		
14:00 - 18:00	Excursion		
18:00	Conference Dinner		

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Time		Thursday, June 20	
9:00	Plenary talk	Chair: Dugald Macpherson Byunghan Kim: <i>A report on NSOP1 theories.</i>	
10:00 Coffee break			
10:30	Plenary talk	Chair: Zhiwei Sun Dietrich Kuske: <i>Automatic structures: the complexity of some natural decision problems.</i>	
	Model Theory Chair: Beibut Kulpeshov	Contributed talks Chair: Andrey Frolov	
11:35	Sergey Sudoplatov: <i>Classification of countable models of complete theories and its applications.</i>	11:35	A. Frolov, I. Kalimullin, A. Melnikov, M. Zubkov: <i>Punctually computable copies of linear orders.</i>
		11:55	S. Aleksandrova, N. Bazhenov: <i>On classifications of relations on computable structures.</i>
12:35 Lunch Break			
14:00	Plenary talk	Chair: Manat Mustafa Takayuki Kihara: <i>Computability-theoretic methods in descriptive set theory.</i>	
15:00 Coffee Break			
	Contributed talks Chair: A. Nurakunov	Contributed talks Chair: J. Tussupov	
15:30	Zh. Adil: <i>Existence of geometric theory congruent to a complete theory.</i>	Nan Fang: <i>Granularity of wagers in games and the (im)possibility of savings.</i>	
15:50	A.R. Yeshkeyev, N.M. Mussina: <i>Hybrid's core models of Jonsson theories.</i>	N. Bazhenov, M. Marchuk: <i>Cantor-Bendixon ranks for almost prime models.</i>	
16:10	A.R. Yeshkeyev, G.A. Urken: <i>Similarity of classes from Jonsson spectrum.</i>	N. Mukash: <i>Remarks on joins and meets in the structure of positive preorders.</i>	
16:30	A.R. Yeshkeyev, A.K. Issayeva: <i>On (∇_1, ∇_2)-cl atomic sets.</i>	A.A. Konyrkhanova: <i>Retracts of the group $UT_3(\mathbb{Z})$.</i>	
16:50	O. Ulbricht: <i>Jonsson independence for $JS_p(A)$.</i>	T. McNicholl, T. Brown and A. Melnikov: <i>Index sets of classes of Lebesgue spaces.</i>	

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Time		Friday, June 21	
9:00	Plenary talk	Chair: Jörg Brendle Toshimichi Usuba: <i>Choiceless set-theoretic geology.</i>	
10:00 Coffee break & announcement of ALC2021			
10:30	Plenary talk	Chair: Sakae Fuchino Ahti-Veikko Pietarinen: <i>A Graphical Method for Non-Classical Logics.</i>	
	Set theory Chair: Sergey Sudoplatov	Contributed talks Chair: A.Kazimirov	
11:35	Daisuke Ikegami: <i>On supercompactness of ω_1.</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>
12:35 Lunch Break			
	Logic in Computer Science Chair: Toru Takisaka	Philosophical logic Chair: Minghui Ma	Set theory Chair: Daisuke Ikegami
14:00	Marcin Jurdzinski: <i>Universal trees and quasi-polynomial bounds for games and automata.</i>	Jiji Zhang: <i>A characterization of (weakly centered) Lewisian causal models.</i>	Jia Liang He: <i>Some covering properties in metrizable groups.</i>
	Jiamou Liu: <i>Computational Complexity Issues in Hedonic Games on Graphs.</i>		Oswaldo Guzman: <i>The Katětov order on MAD families.</i>
15:40 Coffee Break			
	Contributed talks		Chair: Ningyuan Yao
16:00	16:00	B. Baizhanov, T. Zambaraya: <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. Zambaraya: <i>Omitting and realizing countable sequences of types.</i>	
	16:40	Y. Baissalov, A. Aljouiee: <i>On surjective Jordan algebras.</i>	