

The 19th Special Week on Operator Algebras

July 29th - August 2nd, 2024



East China Normal University SHANGHAI,CHINA

Co-hosts: Shanghai Center for Mathematical Sciences Shanghai Institute for Mathematics and Interdisciplinary Sciences

Calendar

Time	Monday 7.29	Tuesday 7.30	Wednesday 7.31	Thursday 8.1	Friday 8.2
Chair	Huaxin Lin/Leonel Robert González	Masaki Izumi/Qin Wang	Huaxin Lin/Guoliang Yu	Yasuhiko Sato	Zhuang Niu/Hang Wang
8:15-9:15	George Elliott (online)	Zhuang Niu	Take a bus to SIMIS (7:45)	Masaki Izumi	Yasuhiko Sato
9:30-10:30	Guihua Gong	N. Christopher Phillips (online)	Guoliang Yu	Jianchao Wu	Leonel Robert González
10:30-11:00	Tea Break	Tea Break	Tea Break	Tea Break	Tea Break
11:00-12:00	Luis Santiago	Søren Eilers	Hang Wang	Xin Ma	Ping Wong Ng
14:00-15:00	Xiang Tang (13:30-14:30)	Sven Raum (13:30-14:30)	Wilhelm Winter	Free Discussion	Yanli Song
15:00-15:30	Tea Break (14:30-14:50)	Tea Break (14:30-14:50)	Tea Break	Free Discussion	Tea Break
15:30-16:30	Zhizhang Xie (14:50-15:50)	Mikael Rørdam (online) (14:50-15:50)	Hannes Thiel	Free Discussion	Sanaz Pooya
	Sihan Wei (16:00-17:00)	Qingnan An (16:00-17:00)			

Organizers:

Huaxin Lin (University of Oregon) Hang Wang (East China Normal University) Qin Wang (East China Normal University) Jianchao Wu (Fudan University)

Speakers:

Qingnan An (Northeast Normal University) Søren Eilers (University of Copenhagen) George Elliott (University of Toronto) Guihua Gong (University of Puerto Rico) Leonel Robert González (University of Louisiana at Lafayette) Masaki Izumi (Kyoto University) Xin Ma (York University) Zhuang Niu (University of Wyoming) Ping Wong Ng (University of Louisiana at Lafayette) N. Christopher Phillips (University of Oregon) Sanaz Pooya (Institut für Mathematik Universität Potsdam) Sven Raum (Institut für Mathematik Universität Potsdam) Mikael Rørdam (University of Copenhagen) Luis Santiago (Lakehead University) Yasuhiko Sato (Kyushu University) Yanli Song (Washington University in St. Louis) Xiang Tang (Washington University in St. Louis) Hannes Thiel (Chalmers University & University of Gothenburg) Hang Wang (East China Normal University) Sihan Wei (University of Glasgow) Wilhelm Winter (Universität Münster) Jianchao Wu (Fudan University) Zhizhang Xie (Texas A&M University) Guoliang Yu (Texas A&M University)

Schedule

Location:

Monday, Tuesday, Thursday, Friday: Tian Jiabing Building 323, ECNU (田家炳楼323) Wednesday: Lecture hall of the Shanghai Institute for Mathematics and Interdisciplinary Sciences

We will have a shuttle bus to SIMIS on Wednesday. The shuttle bus will be parked in the parking spot next to the Zaoyang 788 Road Gate at 7:30 a.m. and will leave at 7:45 a.m.

For online talks, we use Zoom:

Zoom ID: 875 8150 5015 Password: 982213

For online participants, in-person talks will be broadcasted only on the first two days, using the same Zoom address as above.

Schedule of the talks (Beijing time):

Monday, July 29		
Chair: Huaxin Lin		
8:15-9:15	George Elliott (online): The classification problem for separable amenable sim-	
	$ple \ C^*$ -algebras	
9:30 - 10:30	Guihua Gong: TBA	
10:30-11:00	Tea Break	
11:00-12:00	Luis Santiago: On Inductive limits of real C^* -algebras with one-dimensional	
	spectrum	
Chair: Leonel Robert González		
13:30-14:30	Xiang Tang: Helton-Howe Trace, Connes-Chern Character, and Quantization	
14:30-14:50	Tea Break	
14:50-15:50	Zhizhang Xie: On Gromov's dihedral extremality/rigidity conjecture of scalar	
	curvature	
16:00-17:00	Sihan Wei: Topological multiplicity of group actions on topological spaces	

Tuesday, July 30		
Chair: Masaki Izumi		
8:15-9:15	Zhuang Niu: A classification of Villadsen algebras	
9:30 - 10:30	N. Christopher Phillips (online): Nonisomorphic simple AH algebras with the	
	same Elliott invariant and radius of comparison	
10:30-11:00	Tea Break	
11:00-12:00	Søren Eilers: Classification of simple C^* -algebras from singular graphs	
Chair: Qin Wang		
13:30-14:30	Sven Raum: Classifiability of crossed products by csc nilpotent Lie groups	
14:30-14:50	Tea Break	
14:50-15:50	Mikael Rørdam (online): Popa's averaging property for automorphisms on C^* -	
	algebras	
16:00-17:00	Qingnan An: Classification of C^* -algebras real rank zero and stable rank one	

Wednesday, July 31		
Chair: Huaxin Lin		
7:30-7:45	Take the bus to SIMIS	
9:30-10:30	Guoliang Yu: Quantitative K-theory, K-homology, and their applications	
10:30-11:00	Tea Break	
11:00-12:00	Hang Wang: A geometric Elliott invariant	
Chair: Guoliang Yu		
14:00-15:00	Wilhelm Winter: Diagonals in classifiable C^* -algebras	
15:00-15:30	Tea Break	
15:30-16:30	Hannes Thiel: Pure C^* -algebras	

Thursday, August 1		
Chair: Yasuhiko Sato		
8:15-9:15	Masaki Izumi: Quasi-product compact group actions on C^* -algebras	
9:30 - 10:30	Jianchao Wu: Long thin covers and finite nuclear dimension for crossed prod-	
	ucts from non-free actions	
10:30-11:00	Tea Break	
11:00-12:00	Xin Ma: Almost elementary groupoids and their C^* -algebras	
14:00-16:30	Free Discussion	

Friday, August 2			
Chair: Zhuang Niu			
8:15-9:15	Yasuhiko Sato: KMS bundles of rationally AF algebras with finitely many		
	parameters		
9:30 - 10:30	Leonel Robert González: Selfless C^* -algebras		
10:30-11:00	Tea Break		
11:00-12:00	Ping Wong Ng: Some recent progress in extension theory		
Chair: Hang Wang			
14:00-15:00	Yanli Song: Cyclic cohomology for motion groups and Lie groups		
15:00-15:30	Tea Break		
15:30-16:30	Sanaz Pooya: Higher Kazhdan projections, K-theory and applications to delo-		
	calised L^2 Betti numbers		

Abstracts

Qingnan An (Northeast Normal University)

Title: Classification of C^{*}-algebras real rank zero and stable rank one

Abstract: By considering the classification of extensions of C^* -algebras, we exhibit two unital, separable, nuclear C^* -algebras of stable rank one and real rank zero with the same ordered scaled total K-theory satisfying UCT, but they are not isomorphic with each other. We point out that such a result reveals the necessity of the orders from the Total K-theory of ideals. Moreover, we will also show that the Coefficient maps from the Total K-theory of ideals are also indispensable, while the Bockstein Operations are automatic. These series of works are jointed with Zhichao Liu.

Søren Eilers (University of Copenhagen)

Title: Classification of simple C^* -algebras from singular graphs

Abstract: There is a rich classification theory for unital simple C^* -algebras associated to finite graphs with no sinks, allowing to decide by invariants when two such C^* -algebras are isomorphic, not just in their own right, but equipped with their natural diagonals (Cartan subalgebras) or their natural circle actions. All of these results were proved by involving results from symbolic dynamics, even though some now are special cases of much more general results.

When one allows singular vertices-sinks or infinite emitters-the connection to the rich theory of shifts of finite type is lost, but the classical classification results have natural generalizations which one may aspire to show by other means. I will discuss and compare different notions of sameness of such graph C^* -algebras; all fully understood in the regular case, buth only half resolved in general. All work presented is joint with Efren Ruiz, and some also with Aidan Sims.

George Elliott (University of Toronto)

Title: The classification problem for separable amenable simple C^* -algebras **Abstract**: For Jiang-Su stable separable amenable simple C^* -algebras satisfying the UCT, the naive invariant consisting, in the stable case, of the even and odd K-groups (arbitrary countable abelian groups), together with the cone of traces (an arbitrary cone with a metrizable Choquet simplex - not an invariant - as base), and the natural pairing (arbitrary) of this cone with the even K-group, is a strong classification functor. (See the ICBS Frontiers of Science survey article by Gong, Lin, and Niu.)

The even K-group, paired with the tracial cone, in the finite Jiang-Su stable case exactly constitutes the Cuntz semigroup, which suggests replacing it with this ordered semigroup when the algebra is no longer Jiang-Su stable. There are interesting cases in which this suffices. (Beginning with work of C.G. Li, Niu, and me to appear in JFA.)

Guihua Gong (University of Puerto Rico)

Title: TBA Abstract: TBA

Leonel Robert González (University of Louisiana at Lafayette)

Title: Selfless C*-algebras

Abstract: Blackadar introduced the property of strict comparison of positive elements by traces as a means to extend to C^* -algebras the comparison theory of projections in a factor. While not all simple C^* -algebras have this property, a distinct dichotomy exists between those that do and those that don't. Beyond the simple nuclear class, little is known about the prevalence of the strict comparison property among "naturally occurring" simple C^* -algebras. Notably, the reduced group C^* -algebra of the free group with infinitely many generators has Blackadar's strict comparison property. The proof exploits the presence of copies of the C^* -algebra in its own ultrapower in free position relative to the diagonal copy. We call a C^* -algebra endowed with a faithful trace "selfless" when free copies of itself can be found in its ultrapower precisely in this fashion. We propose to investigate selfless C^* -algebras, hinting at their potential as close analogs of II1 factors in the C^* -algebraic setting.

Masaki Izumi(Kyoto University)

Title: Quasi-product compact group actions on C^* -algebras

Abstract: The notion of qausi-product actions of a compact group on a C^* -algebra was introduced by Bratteli et al. in their attempt to seek an equivariant analogue of Glimm's characterization of non-type I C^* -algebras. We show that a faithful minimal action of a second countable compact group on a separable C^* -algebra is quasi-product whenever its fixed point algebra is simple. This was previously known only for compact abelian groups and for profinite groups. Our proof relies on a subfactor technique applied to finite index inclusions of simple C^* -algebras in the purely infinite case, and also uses ergodic actions of compact groups in the general case. As an application, we show that if moreover the fixed point algebra is a Kirchberg algebra, such an action is always isometrically shift-absorbing, and hence is classifiable by the equivariant KK-theory due to a recent result of Gabe-Szabó.

Xin Ma (York University)

Title: Almost elementary groupoids and their C^* -algebras

Abstract: In this talk, I will present new results on almost elementariness, which was introduced as a new finite approximation property for locally compact Hausdorff étale groupoids and implies the (tracial) \mathcal{Z} -stability for groupoid C^* -algebras. I will demonstrate that for a large class C of Elliott invariants and for any unital C^* -algebra A whose Elliott invariant $\operatorname{Ell}(A)$ in C, the C^* -algebra A is classifiable if and only if A has an almost elementary groupoid model. As an application, every strongly self-absorbing C^* -algebra satisfying the UCT has an almost elementary groupoid model. This is based on a joint work with Jianchao Wu.

Zhuang Niu (University of Wyoming)

Title: A classification of Villadsen algebras

Abstract: Villadsen algebra is a class of simple unital approximately homogeneous (AH) C^* -algebras which do not absorb the Jiang-Su algebra. Let us consider the Villadsen algebras with seed spaces finite products of a given finite-dimensional contractible metrizable space. Then they actually can be classified by the K_0 -group together with the radius of comparison.

Ping Wong Ng (University of Louisiana at Lafayette)

Title: Some recent progress in extension theory

Abstract: We discuss some recent advances in the extension theory of C^* -algebras. Among other things, all essential extensions of the form $0 \to B \to E \to A \to 0$ where B is a nonunital separable simple continuous scale C^* -algebra, and A is a separable nuclear C^* -algebra, are now completely classified. We also here mention a version of the Voiculescu noncommutative Weylvon Neumann theorem, for unital *-monomorphisms $\phi : A \to M(B)$ with $\phi(A) \cap B = \{0\}$, where A is a separable nuclear C^* -algebra in a large class, and B is a nonunital separable simple continuous scale C^* -algebra with tracial rank zero. This is joint work with J. Gabe and H. Lin.

N. Christopher Phillips (University of Oregon)

Title: Nonisomorphic simple AH algebras with the same Elliott invariant and radius of comparison

Abstract: For each r > 0, we exhibit an uncountable family of pairwise nonisomorphic AH

algebras with the same Elliott invariant and with radius of comparison equal to r. Our examples are "two seed Villadsen algebras". They are distinguished by a local radius of comparison function, naturally defined on the positive cone of the K_0 group. For each fixed r, our examples are parametrized by an open interval, using the value of this function on a particular K_0 class. This result is a complement to the recent result of Elliott, Li, and Niu, which classifies certain Villadsen algebras of the first kind in terms of the Elliott invariant and radius of comparison.

This is joint work with Ilan Hirshberg.

Sanaz Pooya (Institut für Mathematik Universität Potsdam)

Title: Higher Kazhdan projections, K-theory and applications to delocalised L^2 Betti numbers **Abstract**: For a discrete group G, higher Kazhdan projections are projections constructed from the reduced cohomology of G with coefficients in unitary representations. If a unitary representation has spectral gap, then such projections lie in the group C^{*}-algebra associated with the unitary representation and give rise to K-theory elements.

In this talk I introduce the construction of higher Kazhdan projections and compute the associated K-theory classes for certain groups, such as $PSL_2(\mathbb{Z})$. This leads to several vanishing and non vanishing results for delocalised L^2 Betti numbers. This talk is based on joint work with Piotr Nowak and Kang Li as well as joint work with Hang Wang.

Sven Raum (Institut für Mathematik Universität Potsdam)

Title: Classifiability of crossed products by csc nilpotent Lie groups

Abstract: Driven by the success of Elliott's classification programme for amenable C^* -algebras, there has been interest in understanding which topological dynamical systems give rise to classifiable C^* -algebras via the crossed product construction. Regularity, e.g. in the incarnation of finite nuclear dimension of the crossed product C^* -algebra, is typically the hardest aspect to understand. Adressing this problem for connected groups for the first time, work of Hirshberg-Szabo-Winter-Wu from 2017 showed that crossed products by free actions of the real numbers have nuclear dimension controlled by the covering dimension of the space acted on. Later, Hirschberg-Wu could generalise this result, dropping the freeness assumption. I will report on joint work with Ulrik Enstad and Gabriel Favre extending the nuclear dimension bounds of Hirschberg-Szabo-Winter-Wu to free actions of connected simpliy connected nilpotent Lie groups. Prior to this work, no larger classes of Lie groups than the real numbers could be dealt with.

Mikael Rørdam (University of Copenhagen)

Title: Popa's averaging property for automorphisms on C^* -algebras **Abstract**: In his study of the relative Dixmier property for von Neumann algebras and C^* - algebras, Popa introduced a property of an automorphism, which can be thought of as a twisted Dixmier averaging property. We give an almost complete characterization of when an automorphism has this property. We further show how one can use this property to give much easier and more transparent proofs of a number of results on the inclusion of a C^* -algebra into its crossed product C^* -algebra by a group of automorphisms, assuming the automorphisms have averaging property.

Luis Santiago (Lakehead University)

Title: On Inductive limits of real C*-algebras with one-dimensional spectrum **Abstract**: TBA

Yasuhiko Sato (Kyushu University)

Title: KMS bundles of rationally AF algebras with finitely many parameters

Abstract: We construct crossed products of certain non-simple rationally AF (RAF) algebras by the free groups, based on the study going back to Bratteli-Elliott-Kishimoto's method for actions of the free groups on AF algebras. In their construction of crossed products of free groups, the nuclearity can be implicitly obtained from the existence of approximate diagonal which is known to be equivalent with the nuclearity of C^* -algebras, and our present construction heavily relies on their technique. As a consequence, our construction of crossed products of RAF algebras realizes any possible temperature state space with finitely many parameters on the Jiang-Su algebra, more generally on a unital separable simple nuclear Zabsorbing C^* -algebra with a unique tracial state. This result is obtained as an application of the classification theory of non-simple RAF algebras, by following the recent classification strategy for simple nuclear C^* -algebras.

Yanli Song (Washington University in St. Louis)

Title: Cyclic cohomology for Motion groups and Lie groups

Abstract: Cyclic cohomology is an important tool in non-commutative geometry and higher index theory. In this talk, I will give an introduction to cyclic cohomology and discuss construction of cyclic cycles for abelian groups, motion groups, and Lie groups.

Xiang Tang (Washington University in St. Louis)

Title: Helton-Howe Trace, Connes-Chern Character, and Quantization

Abstract: In the early 70s, Helton and Howe proved a beautiful formula for the trace of commutators of Toeplitz operators. In the 80s, Connes greatly generalized the Helton-Howe

trace formula using cyclic cohomology. And the Connes-Chern character contains the Helton-Howe trace as the top degree component. In this talk, we will study the Connes-Chern character for the Toeplitz extension from the viewpoint of quantization by extending the Helton-Howe trace computation to semicommutators. As an outcome, we will establish the Helton-Howe trace formula for Toeplitz operators with C^2 -symbols for all weighted Bergman spaces. This talk is based on joint work with Yi Wang and Dechao Zheng.

Hannes Thiel (Chalmers University & University of Gothenburg)

Title: Pure C*-algebras

Abstract: In his seminal investigation of \mathcal{Z} -stability for simple, nuclear C^* -algebras, Winter introduced the notion of (m, n)-pureness with m and n quantifying comparison and divisibility properties in the Cuntz semigroup, and he showed that every simple C*-algebra that has locally finite nuclear dimension and that is (m, n)-pure for some m and n is \mathcal{Z} -stable. Combined with the result of Rørdam that every \mathcal{Z} -stable C^* -algebra is pure (that is, (0, 0)-pure, which means that its Cuntz semigroup has the strongest comparison and divisibility properties), this provides a situation where (m, n)-pureness implies pureness.

In a recent paper with R. Antoine, F. Perera and L. Robert, we removed the assumption of locally finite nuclear dimension and showed that every simple, (m, n)-pure C^* -algebra is pure. In this work we generalize the result even further by showing that (m, n)-pureness implies pureness in general.

As an application we show that every C^* -algebra with the Global Glimm Property and finite nuclear dimension is pure.

This is joint work with R. Antoine, F. Perera, and E. Vilalta

Hang Wang (East China Normal University)

Title: A geometric Elliott invariant

Abstract: We develop a geometric approach to the Elliott invariant for a free, minimal action of \mathbb{Z}^d on a compact space with finite covering dimension. This approach relies on topological and index-theoretic data from the mapping torus associated with the minimal topological dynamical system. Applications include noncommutative rigidity of mapping tori and the magnetic gap-labelling problem for certain Cantor minimal systems. This work is done in collaboration with Hao Guo and Valerio Proietti.

Sihan Wei (University of Glasgow)

Title: Topological multiplicity of group actions on topological spaces **Abstract**: Topological multiplicity is a quantity defined by D. Burguet and R. Shi associated to every invertible topological dynamical system as an analgue to the ergodic multiplicity of measure preserving systems. In this talk, I will be presenting some of the properties of systems with finite multiplicity, and also ideas of generalizing it to more general settings.

Wilhelm Winter (Universität Münster)

Title: Diagonals in classifiable C^* -algebras

Abstract: Cartan and diagonal subalgebras encode underlying dynamical structures of C^* -algebras via their associated groupoids.

The existence of Cartan subalgebras in separable, simple, nuclear C^* -algebras is closely related to the UCT problem, but even for well-known classifiable ambient C^* -algebras, we have only limited knowledge of the range of examples. A long-term goal is it to explore structural properties of Cartan subalgebras and diagonals of classifiable C^* -algebras, and pave the grounds to eventually classify suitable classes of such subalgebras.

In this talk I will describe new examples of diagonals of classifiable C^* -algebras such as the Cuntz algebra O_2 , the CAR algebra, and the Jiang-Su algebra Z.

Jianchao Wu (Fudan University)

Title: Long thin covers and finite nuclear dimension for crossed products from non-free actions **Abstract**: Finite nuclear dimension is a regularity property of C^* -algebras that have played a pivotal role in the Elliott classification program of C^* -algebras. It has been a key problem in the field to verify this property for crossed product C^* -algebras associated to topological (as well as C^* -) dynamical systems. Previous results have largely focused on the case of free actions, since existing techniques are based on Kakutani-Rokhlin-type towers in one way or another.

In a recent joint work with Hirshberg, we show that any topological action by a finitely generated virtually nilpotent group on a finite-dimensional space gives rise to a crossed product C^* -algebra with finite nuclear dimension. This is achieved by introducing a new topologicodynamical dimension concept called the long thin covering dimension, which involves a suitable version of Kakutani-Rokhlin-type towers for possibly non-free actions. This result can be strengthened further and applied to some allosteric (and thus non-almost-finite) actions by certain wreath products such as the lamplighter group. Another application yields the result (joint with Eckhardt) that (twisted) group C^* -algebras of virtually polycyclic groups have finite nuclear dimension.

Zhizhang Xie (Texas A&M University)

Title: On Gromov's dihedral extremality/rigidity conjecture of scalar curvature **Abstract**: In this talk, I will present my joint work with Jinmin Wang and Guoliang Yu on a new index theorem for manifolds with singularities (such as manifolds with corners and more generally for manifolds with polyhedral type boundary). As an application, we obtained a positive solution to Gromov's dihedral extremality/rigidity conjecture. This conjecture concerns comparisons of scalar curvature, mean curvature and dihedral angles for compact manifolds with polyhedral type boundary, and has very interesting implications in geometry and mathematical physics. Further developments of this new index theorem have led us to a positive solution of Gromov's flat corner domination conjecture. As a consequence, we answered positively a long standing conjecture in discrete geometry - the Stoker conjecture.

Guoliang Yu (Texas A&M University)

Title: Quantitative K-theory, K-homology, and their applications

Abstract: In this talk, I will give an introduction to quantitative K-theory, K-homology, and their applications to scalar curvature and the universal coefficient theorem for C^* -algebras.

Practical Information

Meals arrangement:

Except Wednesday, we will provide lunch to all participants on the first floor of Hedong Canteen on weekdays, and please bring your meal vouchers. On Wednesday, lunch and dinner will be served at SIMIS, and the specific location will be announced on the same day.

On Monday evening, we invited everyone to have dinner on the third floor of Hexi Canteen. On Tuesday evening, we invite all the speakers to have dinner in the restaurant of YiFu Hotel. For other participants, Tuesday evening dinner location is still on the first floor of the Hedong Canteen. Dinner is not provided on Thursday and Friday, so everyone can enjoy your time.

Group Photo:

We invite you to take a group photo during tea break on Tuesday morning.

Wireless Internet

Eduroam (education roaming) is the secure, worldwide roaming access service developed for the international research and education community. You can check whether your institute has access to it on **https://eduroam.org**. If you have an "eduroam" account, please choose "eduroam" from the wifi list.

If your institute has no eduroam service, please contact one of our students and ask for a wifi account to use ECNU wireless net.



Banks:

The nearest bank to ECNU is the Industrial and Commercial Bank of China. It is located next to the East Gate of ECNU (North Zhongshan Road Campus). Name: ECNU Sub-Branch (Industrial and Commercial Bank of China) Address: 3665 N. Zhongshan Rd. Business Hour: 9:00-16:00

At the Nujiang Road you can also find an office of Bank of China. Name: Changfeng Park Sub-Branch (Bank of China) Address: 311 N. Nujiang Rd. Business Hour: 9:00-16:00

Currency Exchange and Money Matters:

Foreigners can exchange up to 500 dollars daily in China with their passport. You can exchange money at Industrial and Commercial Bank of China (ECNU Sub-Branch), at Bank of China (Changfeng Park Sub-Branch) or at the airport.

The currency used in China is RMB (Ren Min Bi). Available denominations are ¥(Yuan) 100, 50, 20, 10, 5, 1, and 5 jiao (角, 10 jiao equals 1 yuan); there are coins ¥1, 5 jiao. Visa and Master Card can be used at most of the hotels and shopping centers.

Currency exchange rate is USD14.00 \cong RMB100 in most of the banks in China. In the airport the rate might be worse.

Alipay:

Though most places in China still accept cash, there are merchants who accept only electronic payments, such as WechatPay or Alipay (generally ApplePay is not available), especially in taxi. If you want to get an Alipay account, please follow the instructions on the picture.

ATTENTION: PLEASE BE CAUTIOUS WHEN DOWNLOADING AND INSTALLING APPS ON YOUR MOBILE DEVICE

一图看懂支付宝绑定外卡。 All you need to know when adding overseas bank cards in Alipay 支付宝可以绑定的外卡种类 Eligible overseas card types to be added in Alipay 0 VISA DISCOVER Diners Club 三步开启便捷支付 Get started with Alipay in 3 steps 1.注册账户 Registration 打开手机支付宝,点击【注册账号】 Open Alipay, tap "sign up"to register 2.实名及绑卡 Verification and Adding Bank Card 右下角点击【我的】-【银行卡】-【立即绑定】进入 绑卡页面,按照页面提示进行操作-点击【立即认 证】,根据页面提示进行认证 In the lower right corner, tap "Me", "Bank Card", "Add card", and then follow the on-page prompts to add your card. Tap "Verify now", and follow the page prompts to fill in your identity information. 3.支付 Make Payment 商家有二维码: 点击 【扫一扫】- 扫描商家二维码 商家有扫码机器:点击 【收付款】- 出示您的二维码 Tap Scan, and then scan the merchant -presented OR code Tap Pay/Collect and then present your QR code to the merchant.

常见问题FAQ

Q:目前外卡支持哪些交易场景?

- Q: Where can I pay with overseas bank cards using Alipay?
- A: 目前外卡支持在中国大陆境内的衣食住行日常消费,暂时不支持理财、转账
- 等。具体请以您支付时的页面提示为准。

A: Consumers can add overseas bank cards to their Alipay accounts and pay for daily purchases within Chinese mainland. Transactions related but not limited to wealth management or transfers are not supported at the moment. Please refer to the page prompts when making payments for specific information.

*Overseas bank cards refer to major international credit cards issued outside the Chinese mainland.

Q:外卡支付的汇率怎么计算?

Q: How do I know the exchange rate of the transactions made with overseas bank cards on Alipay?

A:外卡的汇率是由您的银行卡所属卡组和发卡行提供的,具体请以您支付时的 页面提示为准。

A: The exchange rate for overseas bank card is provided by the card organization and issuing bank to which your card belongs. Please refer to the actual billing statement for specific information.

Q:外卡支付的额度是多少?

Q: Is there a limit for the amount of transactions?

A:目前境外银行卡支付是限额的,一个账户的额度是单笔是3000元,月累计 50,000元,年累计60,000元。

A: Currently, overseas bank card payments are limited to a single transaction limit of ¥ 3000, and a monthly cumulative limit of ¥ 50,000 and an annual cumulative limit of ¥ 60,000 per account.

Q:外卡支付有手续费吗?

Q: How much is the transaction fee for overseas card payments on Alipay? A:外卡支付是存在手续费的。单笔交易金额小于200元以下免收手续费,单笔 大于200元会收3%的手续费。如果您发起退款的话,手续费也会正常随着支付 订单金额退回。

A: There is a transaction fee for using overseas credit cards. However, that for transactions under ¥200 would be waived. A 3% transaction fee will be charged for each transaction above ¥200. If you initiate a refund, the transaction fee will be refunded along with the payment order amount.

如果您遇到更多支付问题,可以通过电话联系我们:86-0571-26886000

If you have further questions, please feel free to contact us: 86-0571-26886000

Shopping:

Two large shopping malls are nearby: Global Harbor(No.3300, Zhongshan Rd) and Dream Cloud Nine Shopping Mall(Changning)(No. 1018, Changning Rd.).

There are no supermarkets near the university, only small convenience stores such as FamilyMart, SevenEleven, etc.

Electricity:

Standard Chinese socket has two types of pins: 2 round or 3 flat ones:



The voltage is 220 volts, 50 Hz.

Drinking Water :

Tap water is not for direct drinking.

Tipping:

Usually, no tipping is needed (or expected) in China for restaurant and bar waiters, hotel servers, taxi drivers, and doormen.

1) The taxi fare will be showed on the meters on taxi and recorded on receipts.

2) If you want to visit some other place in Shanghai, you can ask us to write the Chinese addresses or other useful Chinese words for you.

Transportation around East China Normal University,:

East China Normal University Address: 3663 N. Zhongshan Rd. Public transportation:

1. Bus: 856, 136, 216, 947, 224, 829, 909, 924, 67, 754, 69, 765.

2. Metro Line 3,4,13: get off at Jinshajiang Road Station (金沙江路地铁站), 10 minutes'

walk to ECNU.

Jinshajiang Road Station (First and last trains)

	First Train	Last Train
Line 3 (To Shanghai South Railway Station)	6:13	23:33
Line 3 (To Jiangyang Rd.(N))	5:40	22:55
Line 4 (Inner)	5:35	22:45
Line 4 (Outer)	6:19	23:29
Line 13 (To Zhangjiang Road)	5:48	22:48
Line 13 (To Jinyun Road)	6:20	23:27

Useful Chinese Phrases (show them to your taxi driver):

1) Please drop me off at the 3663 N. Zhongshan Rd., Shanghai, and give me a receipt for the taxi fare. Thank you! 请送我到华东师范大学普陀校区,要发票。谢谢! (中山北路3663 号)

2) Please drop me off at the Zhongshan Park subway station, and give me a receipt for the taxi fare. Thank you! 请送我到中山公园地铁站,要发票。谢谢!

3) Please drop me off at the People's Square (nearby the Nanjing Walking Street), and give me a receipt for the taxi fare. Thank you! 请送我到人民广场(南京路步行街口), 要发票。谢谢!

4) Please drop me off at the bund (nearby peace hotel), and give me a receipt for the taxi fare. Thank you! 请送我到外滩(近和平饭店),要发票。谢谢!

5) Please drop me off at the Oriental TV Tower, and give me a receipt for the taxi fare. Thank you! 请送我到东方明珠,要发票。谢谢!

6) Please drop me off at the Yuyuan Garden, and give me a receipt for the taxi fare. Thank you! 请送我到豫园,要发票。谢谢!

Useful Telephone Numbers:

Police: 110 Fire: 119 Ambulance: 120

Airport Inquires (Pudong & Hongqiao): 96990

School Gate Opening Hours:

Zhongshan North Road Gate: 0:00-24:00

Jinshajiang Road Gate: 6:00-23:00

Xianfeng Road Gate: 6:00-22:00

Zaoyang Road Gate: 6:00-23:00

Emergency Contact

Junli Ji

Email: jlji@math.ecnu.edu.cn

特别提醒(Special reminder)

受新冠肺炎疫情后遗症影响,目前学校不允许出租车进入。访客可以刷身份证或出示 护照进入校园。离开校园无需出示身份证件。但请记得随身携带以用于返回。

打车前往会场,建议将终点站设为华东师范大学北门(金沙江路135号)。田家炳楼就 在北门旁边。

打车前往住宿酒店(逸夫楼),建议将终点站设为华东师范大学南门(或先锋路校门,靠近华东师范大学出版社),经华师大一村小区进入后直行350米,右手边是南门。刷证件进校后,左手边是逸夫楼(住宿酒店)。详情,请参见以下地图。

After COVID-19 epidemy, the university does not allow taxis inside the campus. Visitors should show their passports to enter (no need to show it again when leaving). However, please remember to carry it with you for re-entrance.

If you go to the conference venue by taxi, it is recommended to set the final destination as "the North Gate of East China Normal University (No. 135 Jinshajiang Road)". The Tian Jiabing Building is located right next to the North Gate.

When taking a taxi to the hotel (Yifu Building), it is recommended to set the destination point at the South Gate of East China Normal University (or the Xianfeng Road Campus Entrance, near the East China Normal University Press). After entering the gate of the Residential Community of Shidayicun (师大一村), go 350 meters forward, turn right and go through the South Gate of the campus; the Yifu Building (hotel) is located on your left-hand side.

