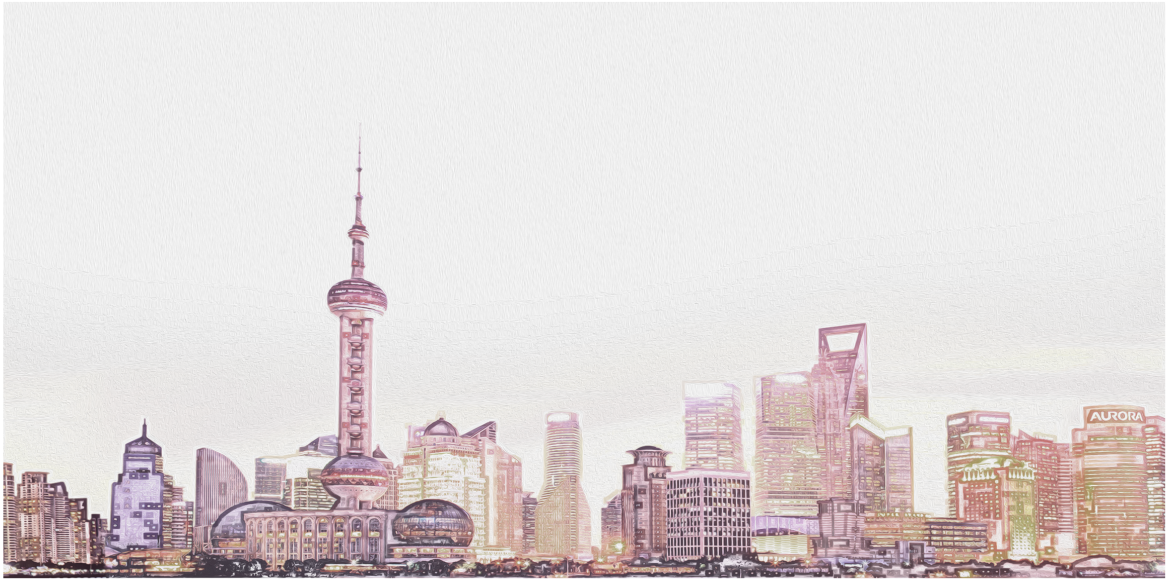
算子代数研究中心

Research Center for Operator Algebras

The 18th Special Week on Operator Algebras

July 31st - August 4th, 2023



East China Normal University

SHANGHAI,CHINA

Calendar

Time Chair	Monday 7.31 Huaxin Lin/Qin Wang	Tuesday 8.1 Huaxin Lin/Yasuhiko Sato	Wednesday 8.2 Huaxin Lin/Feng Xu	Thursday 8.3 Jianchao Wu	Friday 8.4 Jiawen Zhang/Hang Wang
8:00-9:00	Yasuhiko Sato		Guoliang Yu	Piotr Nowak	Liming Ge
9:05-10:05	George Elliott (online)	Mikael Rordam (9:00-10:20)	Zhizhang Xie	Yijun Yao	Xin Li
10:05-10:30	Tea Break	Tea Break	Tea Break	Tea Break	Tea Break
10:30-11:30	Feng Xu	Hang Wang	Dapeng Zhou	Zhuang Niu	Qin Wang
14:00-15:00	Jiawen Zhang	Lin Shan	Rufus Willett	Free Discussion	Shirley Geffen
15:00-15:25	Tea Break	Tea Break	Tea Break (photo)	Free Discussion	Tea Break
15:25-16:25	Sihan Wei	Benyin Fu	Joachim Zacharias (online)	Free Discussion	Jianguo Zhang

Organizers:

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

Speakers:

George Elliott (University of Toronto)
Benyin Fu (Shanghai Lixin University of Accounting and Finance)
Liming Ge (University of New Hampshire)
Shirly Geffen (Universität Münster)
Xin Li (University of Glasgow)
Zhuang Niu (University of Wyoming)
Piotr Nowak (University of Warsaw)
Mikael Rordam (University of Copenhagen)
Yasuhiko Sato (Kyushu University)
Lin Shan (University of Puerto Rico)
Hang Wang (East China Normal University)
Qin Wang (East China Normal University)
Sihan Wei (University of Glasgow)
Rufus Willett (University of Hawaii)
Zhizhang Xie (Texas A&M University)
Feng Xu (University of California, Riverside)
Yijun Yao (Fudan University)
Guoliang Yu (Texas A&M University)
Joachim Zacharias (University of Glasgow)
Jianguo Zhang (Shaanxi Normal University)
Jiawen Zhang (Fudan University)
Dapeng Zhou (Shanghai University of International Business and Economics)

Schedule

Location:

The conference venue is Room 219 at Wenfu building EXCEPT that on Tuesday morning the venue is the lecture hall on the first floor of the hotel (Yifu Building).

Time and venue for the two online talks: Monday 9:05-10:05 and Wednesday 15:25-16:25; Zoom Meeting ID: 336 111 4671, Passcode: RCOA2023.

Schedule of the talks (Beijing time):

Monday, 31 July	
Chair: Huaxin Lin	
8:00–9:00	Yasuhiko Sato: *Non-simple rational dimension groups and rationally AF algebras*
9:05–10:05	George Elliott(online): *The classification of non-classifiable simple C*-algebras—a beginning*
10:05–10:30	Tea Break
Chair: Qin Wang	
10:30–11:30	Feng Xu: *Rigorous results about entropies in QFT*
14:00–15:00	Jiawen Zhang: *Ghostly ideals in uniform Roe algebras*
15:00–15:25	Tea Break
15:25–16:25	Sihan Wei: *Dimensions associated with surjective local homeomorphisms on compact metric spaces*

Tuesday, 1 August	
Chair: Huaxin Lin	
9:00–10:20	Mikael Rordam: *Inclusions of C*-algebras*
10:20–10:30	Tea Break
10:30–11:30	Hang Wang: *Higher rho invariant and delocalized eta invariant at infinity*
Chair: Yasuhiko Sato	
14:00–15:00	Lin Shan: *The lp-Coarse Geometric Novikov Conjecture and Non-positively Curved Spaces*
15:00–15:25	Tea Break
15:25–16:25	Benyin Fu: *The Higher Index Map for Metric Spaces with Proper Group Actions*

Wednesday, 2 August	
Chair: Huaxin Lin	
8:00–9:00	Guoliang Yu: *An index theory for manifolds with polyhedral boundary and Gromov' s dihedral extremality and rigidity conjectures*
9:05–10:05	Zhizhang Xie: *Scalar curvature rigidity of warped product spaces*
10:05–10:30	Tea Break
Chair: Feng Xu	
10:30–11:30	Dapeng Zhou: *An equivariant relative index theorem*
14:00–15:00	Rufus Willett: *Rigidity of Roe algebras*
15:00–15:25	Tea Break(photo)
15:25–16:25	Joachim Zacharias(online): *Almost Elementary C*-Dynamics and classifiability of crossed products*

Thursday, 3 August	
Chair: Jianchao Wu	
8:00–9:00	Piotr Nowak: *Spectral gaps, higher Kazhdan projections and L^2 − Betti numbers*
9:05–10:05	Yijun Yao: *On Winding Numbers*
10:05–10:30	Tea Break
10:30–11:30	Zhuang Niu: *The trace simplex of the transformation group C*-algebras*
14:00–16:25	Free Discussion

Friday, 4 August	
Chair: Jiawen Zhang	
8:00–9:00	Liming Ge: *2, $\sqrt{2}$ and beyond*
9:05–10:05	Xin Li: *Ample groupoids, topological full groups, algebraic K-theory spectra and infinite loop spaces*
10:05–10:30	Tea Break
10:30–11:30	Qin Wang: *Relative expander graphs and the coarse Baum-Connes conjecture*
Chair: Hang Wang	
14:00–15:00	Shirley Geffen: *Simplicity of crossed products by FC-hypercentral groups*
15:00–15:25	Tea Break
15:25–16:25	Jianguo Zhang: *The K-theory for ℓ^p uniform Roe algebras*

Abstracts

George Elliott (University of Toronto)

Title: *The classification of non-classifiable simple C*-algebras—a beginning*
Abstract: The class of what are at present referred to as classifiable simple C*-algebras is extended in recent joint work with Chun Guang Li and Zhuang Niu to include all Villadsen algebras of the first kind with seed spaces cubes of finite dimension. As for previous extensions of the classifiable class (e.g., passing from AF algebras to AI algebras), this extension requires an enlargement of the invariant—now to include the Cuntz semigroup, which turns out to be determined by the Elliott invariant (as it was in the earlier setting) together with, in addition, the Toms radius of comparison. (This can be any positive real number or infinity.)

Benyin Fu (Shanghai Lixin University of Accounting and Finance)

Title: *The Higher Index Map for Metric Spaces with Proper Group Actions*
Abstract: Given a metric space with proper and isometric group action, one can define an equivariant higher index map. The injectivity or bijectivity of this map has important applications in Topology and Geometry. In this talk, we introduce this equivariant higher index map and show this map is injective or bijective under certain assumptions.

Liming Ge (University of New Hampshire)

Title: *2, $\sqrt{2}$ and beyond*
Abstract: We begin with 2 and $\sqrt{2}$. Many questions related to them will be asked and discussed. Beyond 2 and $\sqrt{2}$, we shall consider 2 by 2 matrices and quadratic polynomials. New results and questions will be explained.

Shirly Geffen (Universität Münster)

Title: *Simplicity of crossed products by FC-hypercentral groups*
Abstract: Results from a few years ago of Kennedy and Schafhauser attempt to characterize simplicity of reduced crossed products, under an assumption which they call vanishing obstruction. However, this is a strong condition that often fails, even in cases of finite groups

acting on finite dimensional C*-algebras. In this work, we give complete C*-dynamical characterization, of when the crossed product is simple, in the setting of FC-hypercentral groups. This is a large class of amenable groups that, in the finitely-generated setting, is known to coincide with the set of groups with polynomial growth. This is joint work with Dan Ursu.

Xin Li (University of Glasgow)

Title: *Ample groupoids, topological full groups, algebraic K-theory spectra and infinite loop spaces*

Abstract: Topological groupoids describe orbit structures of dynamical systems by capturing their local symmetries. The group of global symmetries, which are pieced together from local ones, is called the topological full group. This construction gives rise to new examples of groups with very interesting properties, solving outstanding open problems in group theory. This talk is about a new connection between groupoids and topological full groups on the one hand and algebraic K-theory spectra and infinite loop spaces on the other hand. Several applications will be discussed. Parts of this connection already feature in work of Szymik and Wahl on the homology of Higman-Thompson groups.

Zhuang Niu (University of Wyoming)

Title: *The trace simplex of the transformation group C*-algebras*

Abstract: This talk is a continuation of the talk given by George Elliott on the classification of Villadsen algebras. Motivated by our work on the Villadsen algebras, we study the trace simplex of an AH algebra with diagonal maps or the trace simplex of a transformation group C*-algebra. It is shown that if it is a Bauer simplex, then the C*-algebra must be Jiang-Su stable. In particular, in the case of the transformation group C*-algebras, the underlying dynamical system is actually shown to have the Small Boundary Property.

Piotr Nowak (University of Warsaw)

Title: *Spectral gaps, higher Kazhdan projections and L^2 – Betti numbers*

Abstract: I will define the notion of a higher Kazdhan projection, which is an idempotent over the maximal C*-algebra, and discuss how it is relevant in the context of higher index theory. More precisely, I will show how these projections can be used as a strategy to construct new counterexamples to the coarse Baum-Connes conjecture, in the spirit of high-dimensional expanders. This is joint work with Kang Li and Sanaz Pooya.

Mikael Rordam (University of Copenhagen)

Title: *Inclusions of C*-algebras*
Abstract: Much interesting and deep mathematics arise from the study of inclusions of objects (groups, von Neumann algebras, C*-algebras to mention a few friendly examples). In particular, one may wish to understand the collection of all intermediate objects of a given inclusion. In recent literature several examples, mostly arising from dynamics, were given of inclusions of C*-algebras where all intermediate C*-algebras are simple. By analogy with the situation for inclusions of von Neumann algebras, we refer to such inclusions of C*-algebras as being C*-irreducible. However, unlike the von Neumann situation, this property is strictly stronger, and more profound, than being just irreducible (= trivial relative commutant). One can give an algebraic characterization of C*-irreducible inclusions, which again can be used to provide new examples of such inclusions.
In this talk I will focus on examples of C*-irreducible inclusions and of classification results for intermediate C*-algebras.

Yasuhiko Sato (Kyushu University)

Title: *Non-simple rational dimension groups and rationally AF algebras*
Abstract: In order to construct an unbounded KMS-bundle on a certain classifiable C*-algebra, relevant to the Jiang-Su algebra, it was necessary to study non-simple nuclear C*-algebras and their classification theorems. In my talk, I will introduce a class of ordered abelian groups known as rational dimension groups, and investigate the relationship between the non-simplicity of rational dimension groups and the unboundedness of KMS-bundles. This observation will be also realized at the level of C*-dynamical systems, leading to the invariant for the classification of flows on rationally AF algebras.

Lin Shan (University of Puerto Rico)

Title: *The lp-Coarse Geometric Novikov Conjecture and Non-positively Curved Spaces*
Abstract: We are going to talk about the lp version of the coarse geometric Novikov conjecture for spaces coarsely embeddable into a noncompact complete Riemannian manifold with non-positive sectional curvature. This is joint work with Qin Wang.

Hang Wang (East China Normal University)

Title: *Higher rho invariant and delocalized eta invariant at infinity*
Abstract: In the joint work with Peter Hochs and Bai-Ling Wang, the equivariant Atiyah-Patodi-Singer index theorem can be obtained by choosing a suitable parametrix. This method can be extended to the more general setting of a complete Riemannian manifold with a uniform

positive scalar curvature metric outside a compact set. Under this setting we introduce several secondary invariants for Dirac operators and use them to establish a higher index theorem for the Dirac operators. We apply our theory to study the secondary invariants for a manifold with corner with positive scalar curvature metric on each boundary face. This is joint work with Xiaoman Chen, Hongzhi Liu and Guoliang Yu.

Qin Wang (East China Normal University)

Title: *Relative expander graphs and the coarse Baum-Connes conjecture*
Abstract: Expander graphs are highly connected and sparse graphs, which do not coarsely embed into Hilbert space, and are sources for counterexamples to the coarse Baum-Connes conjecture. Recently, G. Arzhantseva and R. Tessera introduce a notion of relative expander to give the first example of sequences of finite Cayley graphs of uniformly bounded degree, which do not coarsely embed into any Lp-spaces for any $p > 1$, yet do not contain any genuine expander. We show that the coarse Baum-Connes conjecture holds for all these relative expander graphs, solving an open problem raised by G. Arzhantseva and R. Tessera. This is joint work with Jintao Deng (University of Waterloo) and Guoliang Yu (TAMU).

Sihan Wei (University of Glasgow)

Title: *Dimensions associated with surjective local homeomorphisms on compact metric spaces*
Abstract: In this talk, I would like to introduce some of dimensions associated with an aperiodic surjective dynamical system, motivated by the previous work of Zhuofeng He and the speaker, and also the work of D. Kerr, G. Yu and many other their collaborators. These dimensions are natural extending of those of group actions on compact metric spaces, including the Rokhlin dimension, tower dimension, amenability dimension and asymptotic dimension. This is a joint work with Zhuofeng He.

Rufus Willett (University of Hawaii)

Title: *Rigidity of Roe algebras*
Abstract: I will survey results on rigidity of Roe algebras, emphasizing recent progress on the case of bijective coarse equivalences. This is based on joint work with various people: Baudier, Braga, Farah, Khukhro, Spakula, and Vignati.

Zhizhang Xie (Texas A&M University)

Title: *Scalar curvature rigidity of warped product spaces*
Abstract: In this talk, I will discuss two results on the scalar curvature rigidity for warped product spaces. The first result concerns the dihedral rigidity of compact submanifolds with

polyhedral corners in warped product spaces. We emphasize that these submanifolds are not necessarily warped spaces themselves. The second result concerns the scalar curvature rigidity of incomplete noncompact warped product spaces. Both theorems answer positively the corresponding open questions of Gromov in all dimensions. The talk is based on joint work with Jinmin Wang.

Feng Xu (University of California, Riverside)

Title: *Rigorous results about entropies in QFT*
Abstract: I will discuss some recent results about relative entropies in QFT, with particular emphasis on the singular limits of such entropies.

Yijun Yao (Fudan University)

Title: *On Winding Numbers*
Abstract: We will show some links between Noncommutative Geometry (more precisely, cyclic cohomology) and (studies on) Winding Numbers (from harmonic analysis). The ideas originated in Connes, and most results are due to Shuoxing ZHOU.

Guoliang Yu (Texas A&M University)

Title: *An index theory for manifolds with polyhedral boundary and Gromov' s dihedral extremality and rigidity conjectures*
Abstract: In this talk, I will give an introduction to an index theorem for manifolds with polyhedral boundary and explain how to use this index theorem to prove Gromov' s dihedral extremality conjecture on scalar curvature (joint work with Jinmin Wang and Zhizhang Xie).

Joachim Zacharias (University of Glasgow)

Title: *Almost Elementary C*-Dynamics and classifiability of crossed products*
Abstract: Motivated by the Toms-Winter conjecture and Kerr' s notion of almost finiteness for actions of amenable discrete groups on compact metric spaces, we propose a generalisation of almost finiteness to actions of discrete groups on general C*-algebras which we call almost elementary. It turns out that our concept also applies to just C*-algebras ($G = \{e\}$), where it is essentially equivalent to $\mathcal{Z}$-stability (ie classifiability) in the simple case, to actions of amenable groups on commutative algebras, where it coincides with Kerr' s almost finiteness, and also to actions of non-amenable groups on general C*-algebras, thereby unifying and extending various concepts. Our starting point is a generalisation of Kerr's notion of a castle, which for us is a simultaneous approximation of the algebra and the action, up to an arbitrarily small remainder, small in various dynamically tracial senses. It turns out that many different natural

smallness conditions are all equivalent. In the case of no group action ($G = \{e\}$) our condition is a weak form of being tracially AF or having tracial nuclear dimension 0, equivalent to $\mathcal{Z}$-stability, for separable simple nuclear algebras, thus providing another equivalent condition to the Toms-Winter conjecture. Moreover, almost elementary actions lead to $\mathcal{Z}$-stable crossed products, in line with it being a kind of dynamical $\mathcal{Z}$-stability. There is also a connection with tracial oscillation zero. Joint with Joan Bosa, Francesc Perera and Jianchao Wu.

Jianguo Zhang (Shaanxi Normal University)

Title: *The K-theory for ℓ^p uniform Roe algebras*
Abstract: Given a discrete metric space X with bounded geometry, we can associate it with a C^*-subalgebra of $\mathcal{B}(\ell^2(X))$, called the uniform Roe algebra of X which plays an important role in higher index theory. For any $1 \leq p < \infty$, we can similarly consider the ℓ^p uniform Roe algebra of X as a Banach subalgebra of $\mathcal{B}(\ell^p(X))$. A natural question is if the K-theory of ℓ^p uniform Roe algebras depends on p? In this talk, we will study this question for metric spaces which admit a coarse embedding into Hilbert space. This is a joint work with Dapeng Zhou.

Jiawen Zhang (Fudan University)

Title: *Ghostly ideals in uniform Roe algebras*
Abstract: Inspired by the ideal of ghost operators coming from expander graphs, we introduce a notion of ghostly ideal in a uniform Roe algebra, whose elements are locally invisible in certain directions at infinity. We show that the geometric ideal and the ghostly ideal are respectively the smallest and the largest element in the lattice of ideals with a common invariant open subset. Moreover, we introduce a notion of partial Property A for a metric space to characterise the situation in which the geometric ideal coincides with the ghostly ideal. This is a joint work with Qin Wang.

Dapeng Zhou (Shanghai University of International Business and Economics)

Title: *An equivariant relative index theorem*
Abstract: I will talk about an equivariant version of relative index theorem. This is joint work with Xiaoman Chen and Yanlin Liu.

Practical Information

Meals arrangement:

Except Tuesday, we will provide lunch to all participants on the first floor of Hedong Canteen on weekdays, and please bring your meal vouchers. On Tuesday, we invite all the speakers to have lunch at the Yifu Restaurant. For other participants, lunch location is still on the first floor of the Hedong Canteen.

On Monday, we will provide dinner to all participants on the third floor of Hexi Canteen. Dinner is not provided from Tuesday to Friday, so everyone can enjoy your time.

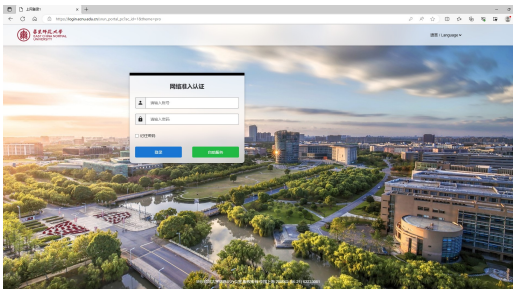
Group Photo:

We invite you to take a group photo during Wednesday afternoon Tea Break time.

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 participated through the website https://eduroam.org/. If you have a “eduroam” account, please choose “eduroam” from the wifi list.

If your institute has no eduroam service, you can contact our student for wifi account and use ECNU wireless net.



the login page of “ECNU” wireless net

Banks:

The nearest bank around ECNU is the Industrial and Commercial Bank of China. It is 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 a 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 the Industrial and Commercial Bank of China (ECNU Sub-Branch). You can also exchange money at the Bank of China (Changfeng Park Sub-Branch). Of course, you can also exchange the money at the airport.

Currency exchange rate: US $1.00 can roughly be changed to RMB 7.1 in major banks of China. If you do the currency exchange at the airport, a fee might incur, and the rate might not be as good as mentioned above.

The currency unit is the Chinese RMB (Ren Min Bi). Notes are denominations of ¥(Yuan) 100, 50, 20, 10, 5, 1, and 5 jiao (10 jiao equals 1 yuan); there are coins ¥1, 5 jiao. Major credit cards, i.e, Visa and Master Card can be used at most hotels and shopping centers.

Alipay:

Though most places in China still accept cash, there are merchants that only accept electronic payment, such as Wechat Pay or Alipay (no apple pay in most cases), especially when taking taxi. If you would like to get an Alipay account, please follow the instructions on the picture.

ATTENTION: PLEASE EXERCISE CAUTION 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

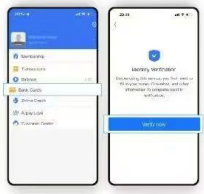
VISA mastercard Diners Club INTERNATIONAL DISCOVER

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 QR 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

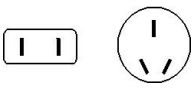
Shopping:

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 school, only small convenience stores such as FamilyMart, SevenEleven, etc.

Electricity:

The voltage in China is 220 volts, 50 Hz. The socket standard of China is made up of two types with 2 or 3 flat pins:



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 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！

7) Please drop me off at the the City God Temple, and give me a receipt for the taxi fare. Thank you! 请送我到城隍庙，要发票。谢谢！

Useful Telephone Numbers:

Police: 110 Fire: 119 Ambulance: 120

Taxi Companies：大众公司（Da Zhong） 96822

强生公司（Qiang Sheng）62580000

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

Attractions

The Bund 外滩

The Bund is a stretch of shore along the Huangpu River, once the main artery for trade in Shanghai. Today it has become a promenade that offers some of the best views of Shanghai. To the Europeans, the Bund was Shanghai's answer to Wall Street. In the 1930s, the string of buildings hosted the city's financial and commercial centers, and the world's greatest banks and trading empires established a base here.

Yuyuan Bazaar 豫园

Yuyuan Bazaar features ancient architectures dated back to Ming and Qing Dynasty, and traditional street market. Built in 1559, the Yuyuan Garden within the Bazaar is one of the best examples of classical gardens in Shanghai and is a must for visitors who want to surround themselves in beauty and Zen.

Shanghai Museum 上海博物馆

Shanghai Museum is a veritable treasure house of ancient Chinese art and houses 120,000 precious relics. Bronzes, pottery, paintings and calligraphies are distinctive features of the Museum's collection.

Changfeng Park 长风公园

A landscaped park located next to the University. The size of the park is 364,000 square meters. It includes a large lake in the centre of the park. There are various facilities including a Sea Life aquarium and boating on the lake.

Emergency Contact

Junli Ji

Email: jlji@math.ecnu.edu.cn

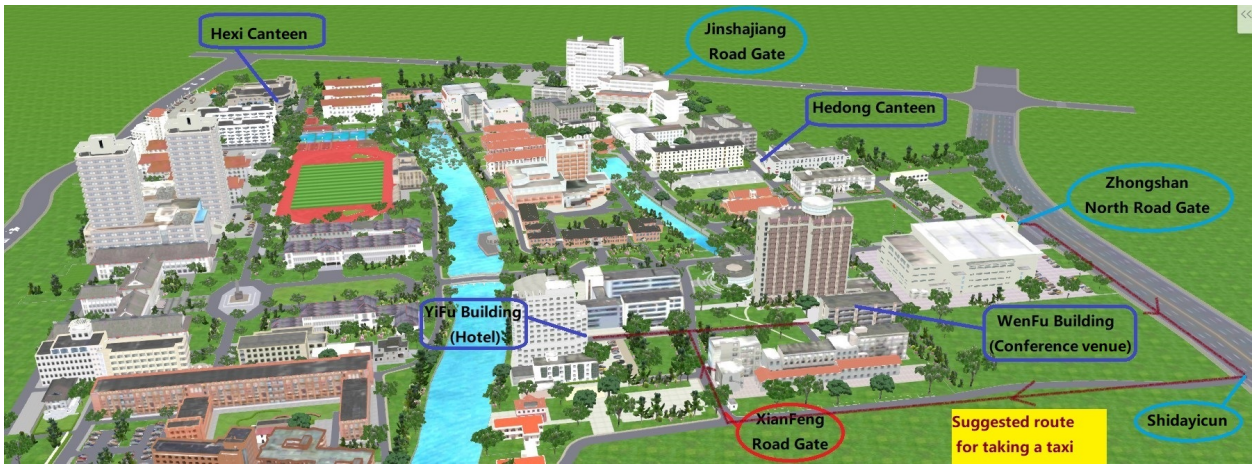
特别提醒(Special reminder):

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。

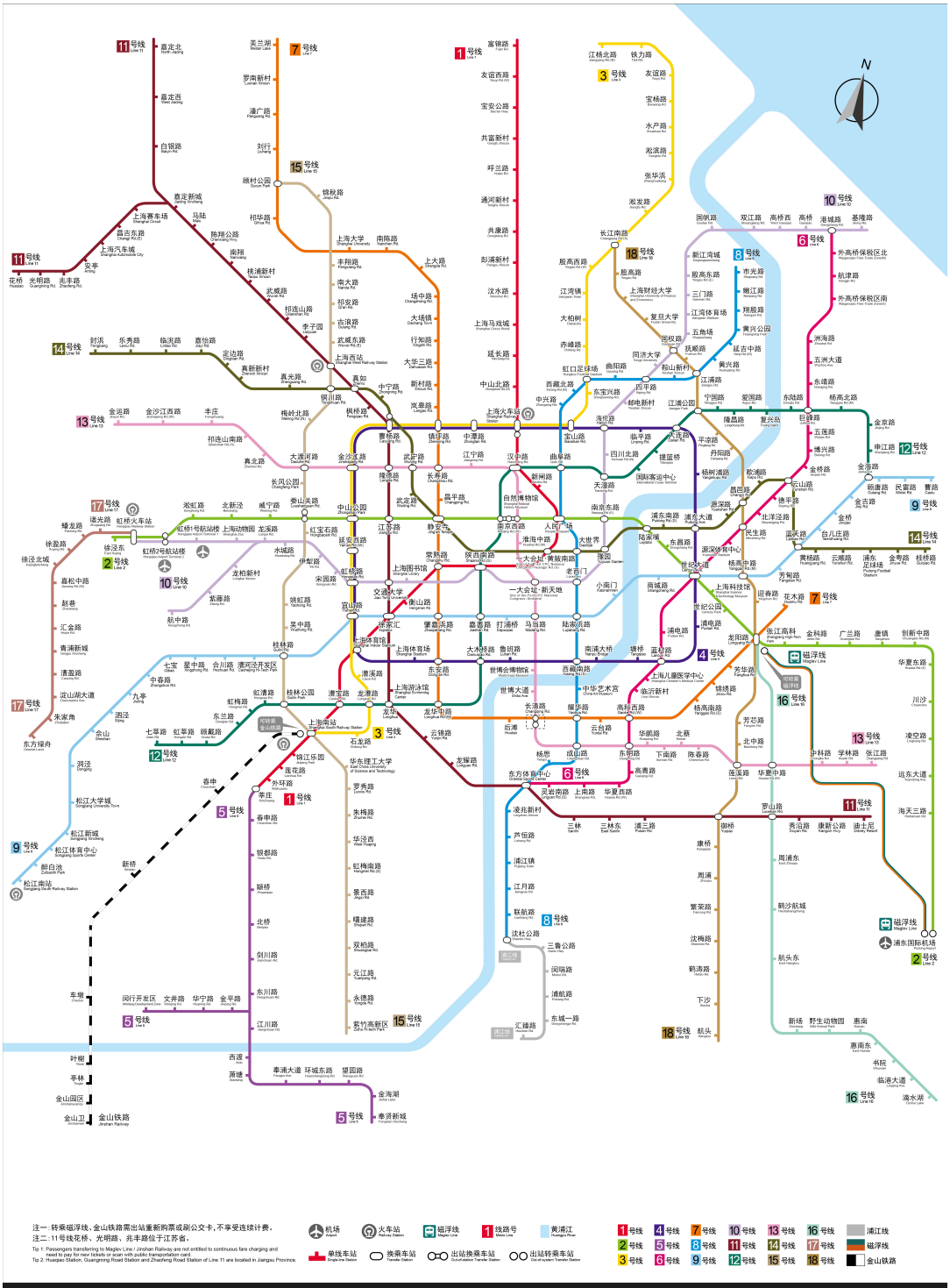
打车参会，建议将终点设为华东师范大学南门（或先锋路校门，靠近华东师范大学出版社），经华师大一村小区进入后直行350米，右手边是南门。刷证件进校后，左手边是逸夫楼（住宿酒店）。右手边是文附楼（会场）详情，请参见以下地图。

Affected by the sequelae of the COVID-19, the school does not allow taxis to enter at present. Visitors can swipe their ID cards or present their passports to enter the campus. There is no need to present identity documents when leaving the campus.

If you want to take a taxi to attend the conference, we suggest setting the destination at the south gate of East China Normal University (or the gate of Xianfeng Road, close to the East China Normal University Press). After entering the gate of the Residential Community of Shidayicun(师大一村), go straight for 350 meters, and the south gate is on the right. After swiping the ID to enter the school, the left side is the Yifu Building (accommodation hotel). On the right side is the Wenfu Building (conference venue), please refer to the map below.



The Wenfu Building (Conference venue)


N
注一：转乘磁浮线，金山铁路需出站重新购票或刷公交卡，不享受连续计费。
注二：11号线花桥，光明路，兆丰路位于江苏省。
Tip 1: Passengers transferring to Maglev Line / Jinshan Railway are not entitled to continuous fare charging and need to pay for new tickets or scan with public transportation card.
Tip 2: Huaqiao Station, Guangming Road Station and Zhaofeng Road Station of Line 11 are located in Jiangsu Province.
机场
火车站
磁浮线
线路号
黄浦江
单线车站
换乘车站
出站换乘车站
出站转乘车站
1号线 2号线 3号线 4号线 5号线 6号线 7号线 8号线 9号线 10号线 11号线 12号线 13号线 14号线 15号线 16号线 17号线 18号线
浦江线
磁浮线
金山铁路
上海轨道交通网络示意图
SHANGHAI METRO NETWORK MAP
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