

IMPACT

President's Message

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Dear AOC Members, colleagues, and friends,

How time flies! It is high time to get ready for the 2018 ASABE Annual Meeting, as well as the AOC activities. I would like to take this opportunity to welcome all of you to our AOC annual events: NERCITA US-China Exchange Forum, AOC Business Meeting and AOC Award Banquet. They are all set on Tuesday (July 31). On Monday evening (July 30) there will be a student gathering meeting. Detailed information such as location and time about those events can be found in this newsletter.

I want to use this occasion to appreciate all the support from all AOC members and in particular the members who served the Board. Our Vice President Dr. Jian Shi selected the restaurant for the Award Banquet and he will be running the program for the business meeting and the banquet. The President-Elect Dr. Hong Li arranges the Exchange Forum and the Fellow election. The Past President Dr. Yanbo Huang serves as the Chair of the Award Committee and election of incoming President-Elect and member-at-large. Membership Director Dr. Liangcheng Yang manages the profile of all members and the student oral presentation competition. Dr. Naiqian Zhang has been serving as the Student Advisor and arranged all the student paper competition and awards. Dr. Lilong Chai publishes IMPACT newsletters with several associate editors. Dr. Yeyin Shi, the Secretary of AOC has taken notes of each meeting. Dr. Yufeng Ge manages all our expenses and membership fee. Dr. Yang Zhao and Dr. Sarah Wu put a lot of effort to develop our relations with Chinses and UN institutions through the assistance of Dr. Yingkuan Wang, the Chief Editor of IJABE. Dr. Haibo Huang takes care of the career development seminar for graduate students. Our Student Activity Committee, under the leadership of Mr. Jiangong Li, has created a Wechat public account and published interviews with senior graduate students and faculty members. Without the help from all of you, AOC would not reach to this great achievement in the year of 2017-2018.

I wish you all a successful meeting and a great reunion with friends at the ASABE in Detroit.

AOC President Zhiming Qi



AOC 2017-2018 Executive Board



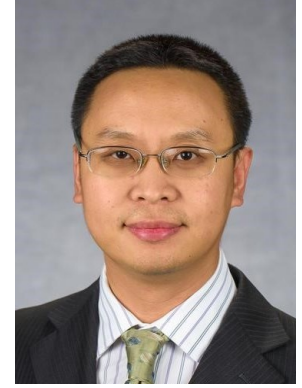
Zhiming Qi
McGill University,
President



Yanbo Huang
USDA ARS,
Past President



Hong Li
University of Delaware
President-Elect



Jian Shi
University of Kentucky
Vice President
Web Manager



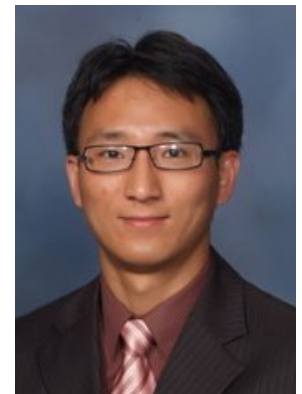
Naiqian Zhang
Kansas State University,
Student Advisor



Yingkuan Wang
Chinese Academy of Agri-
cultural Engineering, IJABE
Editor-in-Chief



Liping Chen
NERCITA., CHINA, Institu-
tional Membership



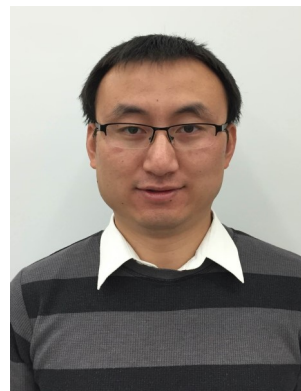
Yufeng Ge
University of Nebraska-
Lincoln, Member-at-
Large/Treasurer



Liangcheng Yang
Illinois State University Mem-
ber-at-Large
Membership Development



Yeyin Shi
University of Nebraska-
Lincoln, Member-at-large
Secretary



Yang Zhao
Mississippi State University
Member-at-large,
Liaison



Lilong Chai
Iowa State University
Member-at-large
Newsletter Editor



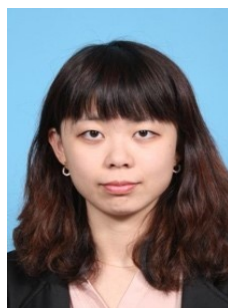
Sarah Wu
University of Idaho
Member-at-large
Liaison



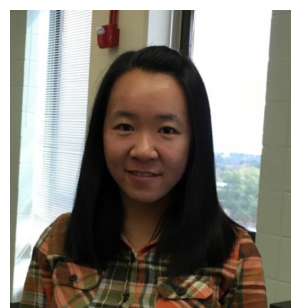
Haibo Huang
Virginia Tech
Member-at-large
Professional Development



Jiangong Li
University of Illinois at Urba-
na-Champaign
SAC Chair



Jie Wu
Washington State University
SAC Vice Chair



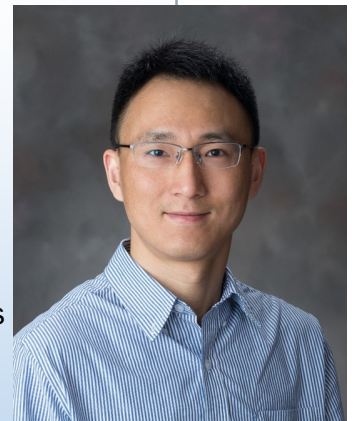
Mengyun Zhang
University of Georgia
SAC Vice Chair

President-elect candidates



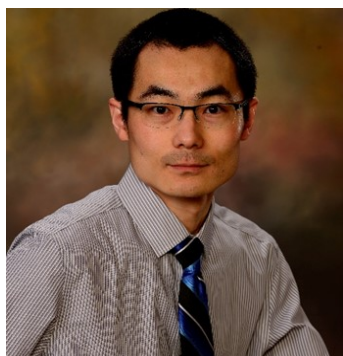
Dr. Shi is an Assistant Professor in the Department of Biosystems and Agricultural Engineering at University of Kentucky. He got his MS from China Agricultural University and PhD from North Carolina State University and lately worked at national lab and industry before joining the faculty in 2015. Dr. Shi has a long history serving the AOC community. He participated the student activity committee (SAC) during 2005-2007 and designed the earliest SAC website. He serves as the web manager since 2016 and the Vice President of AOC during 2017-18 term. If selected as President-Elect, he will help to strengthen the core value of AOCABFE: “Connection” – improve networking between colleagues and institutions in US and China, and beyond; “Fostering” – formalize mentor/mentee and advising mechanisms for young AOC members; and “Friendship” – host events and activities for AOC members *via* new platforms. He will continue engage in AOC board and contribute to the growth and success of this great association.

My name is **Yufeng Ge** and I am Assistant Professor at Biological Systems Engineering at University of Nebraska-Lincoln. My involvement with AOC started 12 years ago, first as a graduate student and then faculty member. I was Secretary, Newsletter Editor, and now am Treasurer. These three positions have been a rich experience and help me greatly to grow professionally. We have outstanding faculty and student members in our organization, and this is the very reason I want to run for the presidency and have the opportunity to serve for everyone. The priority I’d like to work on is to bring “our faculty and student members to the national prominence”. Specifically I will focus on developing a nominating mechanism in AOC to nominate deserving AOC (faculty and student) members for major awards in ASABE, and other sister professional societies.



Member-at-large candidates

My name is **Haiyan Cen**. I am current a ZJU-100 Young Professor of College of Biosystems Engineering and Food Science, and Vice-Chair of BE Department at Zhejiang University. It will be my great honor to be elected as a Board Member of AOC. I received my Ph.D. degree in Biosystems Engineering from Michigan State University in 2011, continued my research at MSU/USDA-ARS Lab as a Postdoctoral Research Associate, and joined Zhejiang University as a China's 1000 Young Talent in 2015. My research is focused on agro-optics and imaging, including fundamental understanding of light interaction with plant materials and engineering applications of optical sensing-based plant phenotyping and agricultural machinery. I have been an ASABE Member and AOC Member for 10 years. I serve as an Associate Editor of ASABE ITSC Technical Community, a Vice Chair of ASABE Machine Vision committee (ITSC-312), and a Session Moderator in ASABE Annual meetings. I enjoy working with colleagues and students to promote the development of our community, and would like to continue making contributions, especially for promoting the China-US research collaboration and student-exchange in AOC Community, and help to advance the impact of AOC in China. I would appreciate your vote for me very much.



Dr. Yi Wang is an Assistant Professor in the Biosystems Engineering Department at Auburn University. He received his B.S. from University of Science and Technology Beijing in 2003, M.S. from University of Science and Technology of China in 2006, and Ph.D. from University of Illinois at Urbana-Champaign in 2012. Dr. Wang's research interests lie primarily in the area of value-added biochemical and bioenergy production through bioprocess engineering, metabolic engineering, and synthetic biology approaches. Dr. Wang has been an AOC member since the ASABE Annual Meeting in Kansas City in 2013. As a graduate student, Post-doc and early-career investigator by now, Dr. Wang has benefited greatly from the AOC community. Now, he is eager to contribute to this community by serving as a board member.

SAC Meeting Minutes

June 21 2018 9:00-10:00PM CST

1. Update from Jie Xu about AOC meeting
AOC will provide \$1000 funding, ~\$30 per person.
2. Update about Wechat public activities
 - Jiangong:
 - Jingyao Gai: Preparing, Posted by July
 - Zongmei Gao: Preparing, Posted by July
3. AOC banquet needs assistants
 - Attendance of ASABE: Jiangong Li, Enshi Liu, Jinyao Gai, Zongmei Gao, Congyu Hong, Mengyun Zhang
 - Tickets collection: Congyu Hong, Jiangong Li, Enshi Liu, Jinyao Gai, Zongmei Gao, Mengyun Zhang
4. SAC retirements
 - Past: Yue Rong
2017-2018 committee: Jingyao Gai, Mengyun Zhang, Yuzhen Lu, Jie Xu, Jiangong Li
5. New SAC election
Enshi Liu, Zongmei Gao, Congyu Hong, Xinjie Tong. Discuss in Wechat.
6. SAC activities
 - Where: brewery (Location pending)
 - When: Monday, July 29th. 7:00 – 9:00 pm
 - Activities: Determine total number of participants by beginning of July
 - Posters and travel information

AOC Board Meeting Minutes

Time: 4:00-5:00 pm, March 23rd, 2018.

Attendees: Zhiming Qi, Yanbo Huang, Hong Li, Liangcheng Yang, Yeyin Shi, Lilong Chai, Xiao Wu, Yang Zhao, Jiangong Li, Jie Xue, Mengyun Zhang

1. The agenda is approved without any addition.
2. The minutes recorded at the [December 1st 2017](#) board meeting was approved.
3. Zhiming updated recent activities on his side. A congratulation letter was drafted and approved by the board on March 11, 2018. This letter congratulated the opening of a new college in agricultural engineering and sciences at Hohai University, Nanjing, China. Zhiming will invite guests to present the award banquet. Since this year our award will be scheduled on Tuesday, it may be very difficult to invite ASABE president/staff due to the conflict with the ASABE Foundation meeting. Zhiming wish that next year it will be scheduled back to Monday. This was partially due to our late response to ASABE about scheduling our events. Next year hopefully we will contact Jessica Bell (bell@asabe.org) or Sharon McKnight (mcknight@asabe.org) at ASABE at least in January to schedule the meeting.
4. Institutional Membership, president-elect nomination, and three faculty award: Dr. Yanbo Huang (Past President) will take care of all those items. Three faculty award are: Early Career Award, Distinguished Career Award, and Outstanding Service Award. The due date of those award was set on June 1 in 2017. We should put those ads in our wetchat group. Dr. Huang mentioned that Dr. Liping Che would like to continue with the service on institutional membership.
5. Treasures report was skipped due to the absence of Dr. Yufeng Ge who is travelling in China.
6. Website update, business meeting and banquet: Dr. Jian Shi was absent due to a meeting at LSU. Dr. Shi later video chatted with Dr. Zhiming Qi and updated few things about website and restaurant. Jian has targeted at German Town as the potential place for the award banquet, but also left on-site catering as an option. Zhiming will send him the program used in 2017.
7. NERCITA China Exchange Forum, AOC Fellow, and plaque for past president: Dr. Hong Li will handle all those items and will start inviting speakers. There is one more candidate in the AOC Fellow pool and Hong will follow up with this nomination and check whether it is still valid or needs update according to the regulation. Dr. Yanbo Huang suggested a speaker from China Agricultural University.
8. IMPACT Newsletter: Dr. Lilong Cai mentioned that this recent issue is almost ready except for an interview with Dr. Xiao Wu. Lilong will add advertisement on the fellow, awards and competition. Minliang Yang is now the major Associate Editor for this current issue.
9. Membership update and presentation competition award: Dr. Liangcheng Yang reported that the total number of AOC is totaled of 61. Liangcheng will continue with the presentation competition award.
10. ASABE China symposium: Drs. Yang Zhao and Xiao Wu will keep it rolling. Yang obtained all the documents from Ms. Jessica Bell and was informed that it may take about two years to finalize it. ASABE would not be able to provide funding so financial support should be retrieved from exhibitors or other industrial sponsors. Yanbo suggested to contact Dr. Yingkuan Wang about the 2018 FAO-ITU E-agriculture Solutions Forum and check if we can add an ASABE session sponsored by AOC.

11. Logo: A letter has been drafted by Dr. Yeyin Shi to clarify and inform the AOC community about the change in logo. Key dates are verified by Dr. Jian Shi via email and will be released through mail-list and IMPACT.
12. SAC update: The Board suggest SAC to resume the traditional gathering dinner but charge \$10 dollars for the dinner and make it open to all students. AOC will cover the rest of the cost beyond \$10. Traditionally speakers are invited to talk at this gathering dinner. SAC dinner has to be scheduled on Monday since AOC meeting is on Tuesday this year. Mr. Jiangong Li demonstrated the Wechat public account to the Board and plan to release news in incoming consecutive weeks. A few interviews over ABE senior graduates will be released. Jiangong expressed the stress in lack of article or contribution which is submitted to them. Dr. Yang Zhao suggested to publish some articles associated with travel and fun, besides research and job hunting. Zhiming suggested to invite students in Michigan to draft a guidance of fun places to visit near Detroit where ASABE will be held this year.
13. Student Career Development: Dr. Haibo Huang is actively searching for approaches to move it forward. He elaborated the pattern of IFT in which 4-5 professors are involved to help students about career development. It seems a large project. Dr. Yanbo Huang suggest to build a committee led by Haibo if necessary. Dr. Liangcheng Yang gave a short brief about his experience when leading this program. Webinars were organized to introduce students about career development. Haibo suggested everyone to collect job information so that it can be released through this stream.
14. Others: Zhiming suggested Hong to attend the E2050 committee meeting. Zhiming will contact Dr. Naiqian Zhang to remind him about the student awards.
15. Meeting adjourn.



AOCABFE and NERCITA China Exchange Forum-Invited Speakers

Time: July 31 Tuesday 2:30pm-5:30pm (20-Minutes each)

Location: 365

Title: Smart Agriculture Research Programs and Current Status at Zhejiang University

2:30 - 2:50

Haiyan Cen

Professor, Vice-Chair of Biosystems Engineering Department, Zhejiang University, China

Title: Precision profile spraying technique based on variable air volume and chemical flow rate for orchard in CCAT

2:50 - 3:10

Xiongfui He,

Professor, Vice-dean of College of Science, Centre for Spray Application Technology (CSAT), China Agricultural University, China

Title: Progress in discipline construction and research of agricultural engineering at Jiangsu University

3:10-3:30

Hanping Mao

Professor, Dean of School of Agricultural Equipment Engineering, Jiangsu University, China

Title: Education Collaboration between University of Illinois and Universities in China

3:50-4:10

Xinlei Wang

Professor, Agricultural & Biological Engineering Department, University of Illinois Urbana Champaign

Title: Agricultural Engineering Research at Jiangsu Academy of Agricultural Sciences and Collaboration Opportunities

4:10 - 4:30

Hong Li

Associate Professor, Animal and Food Sciences, University of Delaware

Title: An International Collaboration for Improving Food Safety of Poultry Supply Chain in China

4:30-4:50

Yanbin Li

Distinguished Professor, Tyson Endowed Chair in Biosensing Engineering, University of Arkansas

AOC BANQUET INFORMATION

When: 6:30-9:30 pm, Tuesday, July 31, 2018.

Where: International Banquet & Conference, 400 Monroe St, Detroit, MI 48226.

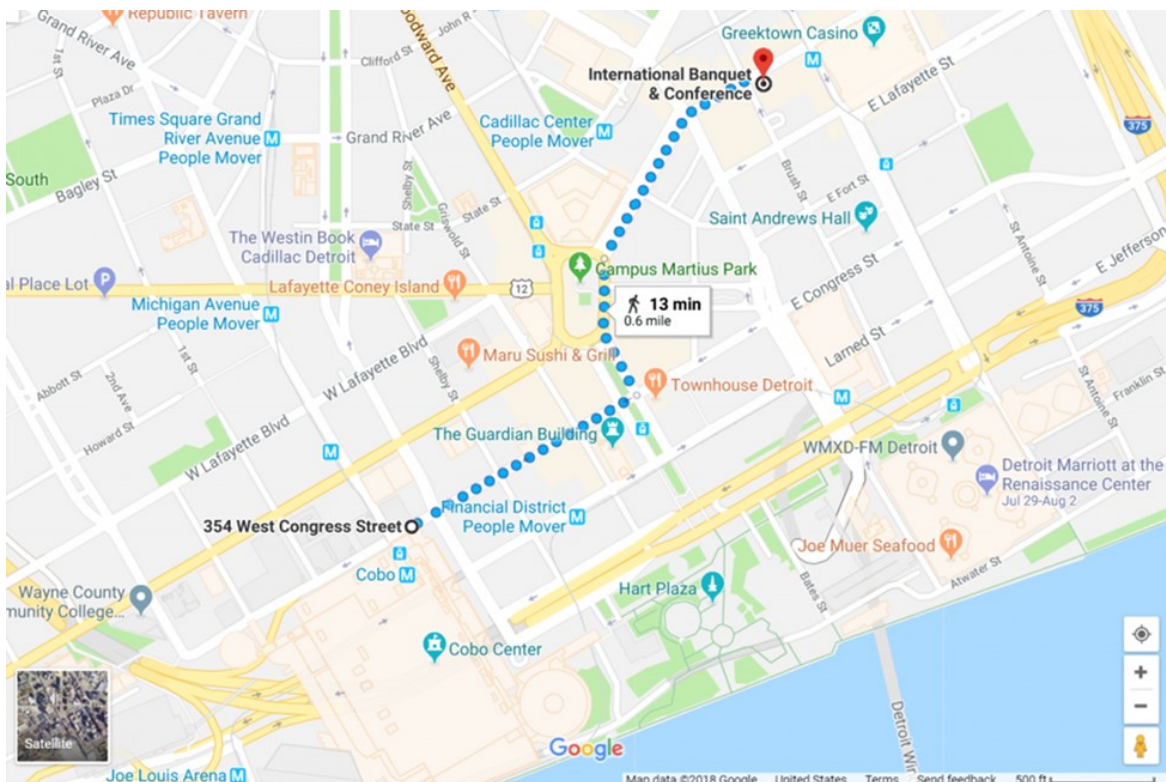
How to get there? The distance is 0.6 miles from the Cobo Center to the banquet place, and it may take ~15 min to walk or 10 min to drive. You may also take Detroit Metro Train from Cobo Center to Greek Town. The map with walking directions is attached.

Guest arrival will start at 6:30pm and dinner buffet will open at 7:00pm.

The distance is 0.6 miles from the Cobo Center to the banquet place, and it may take ~15 min to walk or 10 min to drive. You may also take Detroit metro from Cobo Center to Greek Town. The map with walking directions is attached.

Dinner Buffet Menu (subject to change): Salmon Filet; Herb Encrusted Prime Rib; Grilled Flank Steak or Airline Chicken Piccata, with choices of Salads, Vegetables, Starch and Dessert. Cash bar will be available to buy beverage on your own. Guests may pay onsite: \$65 per person, \$20 for students.

Contact the venue by phone: 313-963-1400. Here is the map to the place.



底特律的游玩攻略

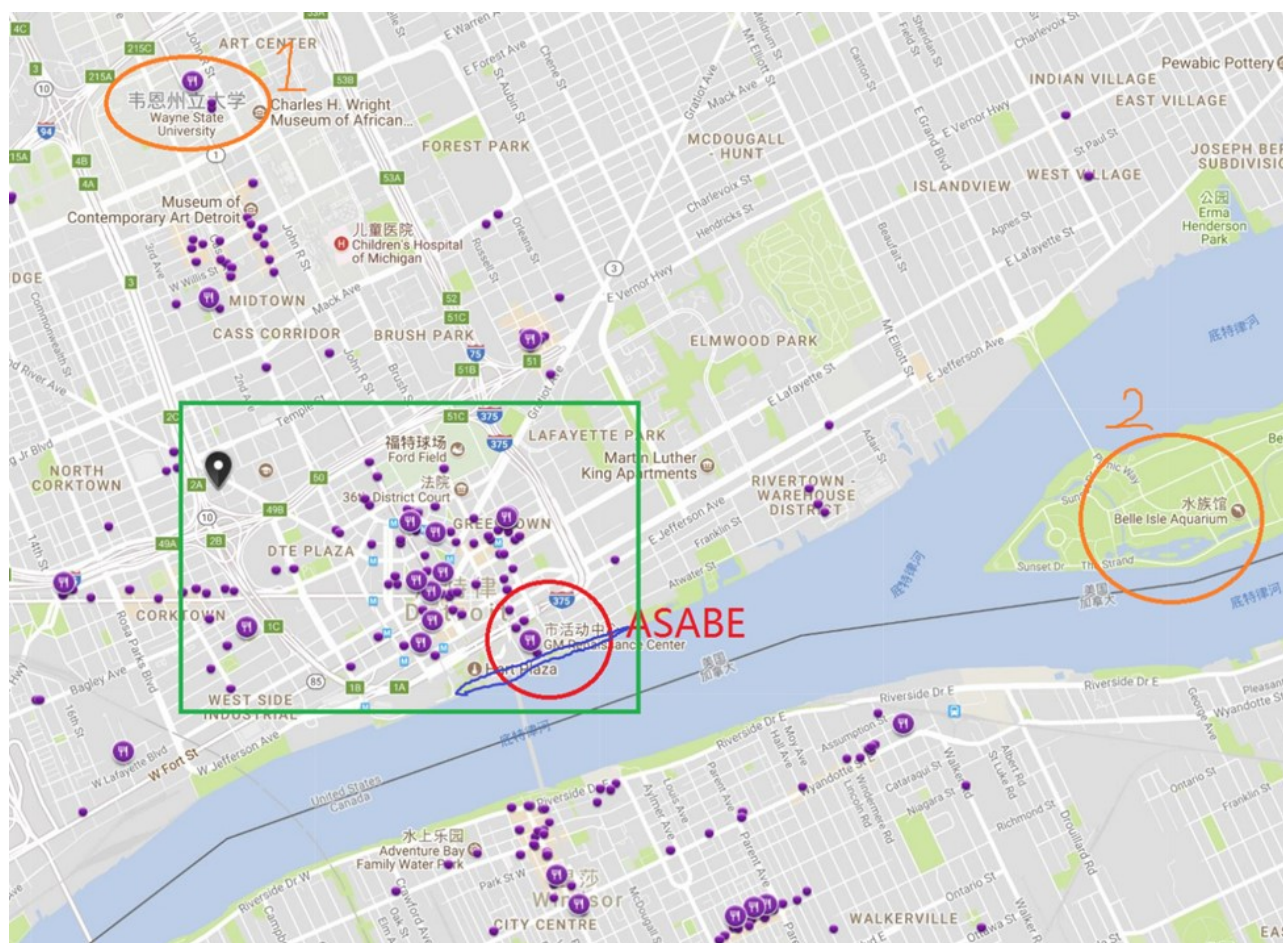
作者：张梦云

小伙伴们，ASABE年会就要在汽车之城底特律举行啦。除了参会这件大事，在底特律的吃喝玩乐也要排上日程记到小本本里，希望这篇推送能帮到大家。

在大家开始游乐之前，一定要注意，安全，安全，安全！底特律是全美犯罪率最高的城市之一，各种犯罪率高发人群所在地。千万不要独自出行，尽量避免夜间出行。小伙伴们一起出游，安全又热闹。

我们先来了解一下会议的地理位置和周边。

ASABE年会在底特律河畔的Cobo中心举行，图上红色圈圈标注，Cobo中心毗邻downtown，绿色框框标注。离Cobo中心最近的游览区就是河边走廊，美美的底特律河尽收眼底，对面就是加拿大，如果有加拿大签证，可越过河到温莎地区游玩。图内紫色点点都是吃吃的各种餐馆咖啡屋，后面会为大家具体推荐。玩乐的地方除了downtown，还有1.底特律艺术馆（Detroit Institute of Arts），2. Belle岛。



另外，底特律的特色公共交通——People Mover，高空小火车。People Mover在底特律的核心区域环形运行，每20分钟左右可以环行一周是游览底特律的绝好工具。可在会议中心附近乘坐。ASABE提供在会议期间的乘坐套票，请戳<https://passes.thepeplemover.com/products/0718asabe-asabe-annual-international-meeting>

People mover有关信息请戳www.thepeplemover.com

People Mover 路线图



这次推荐主要围绕会议中心进行，并没有为大家推荐距离较远的游玩地址，小编没去过底特律，也是网路上各种搜搜搜，如感兴趣，可自行搜索，比如Henry Ford Museum, Mackinac Island等。

废话不多，先来说说游玩地点。

科博中心Cobo Center

会议中心据说也是会看车展的好去处，据说每年一月会进行大型车展，并且一年四季均有车辆展示。科博中心靠近公共交通站，站牌为Cobo Center People Mover Station。

通用汽车总部复兴中心 (GM Renaissance Center)

坐着免费绿色公交或者步行从Cobo中心出发，就能到底特律的代表建筑GM复兴中心，这里也是通用汽车 (GM) 的总部。这座建于90年代的建筑，是由福特、通用和底特律的其它厂商合力投资建设的，取名复兴中心的意思，就是要重振底特律的汽车工业。

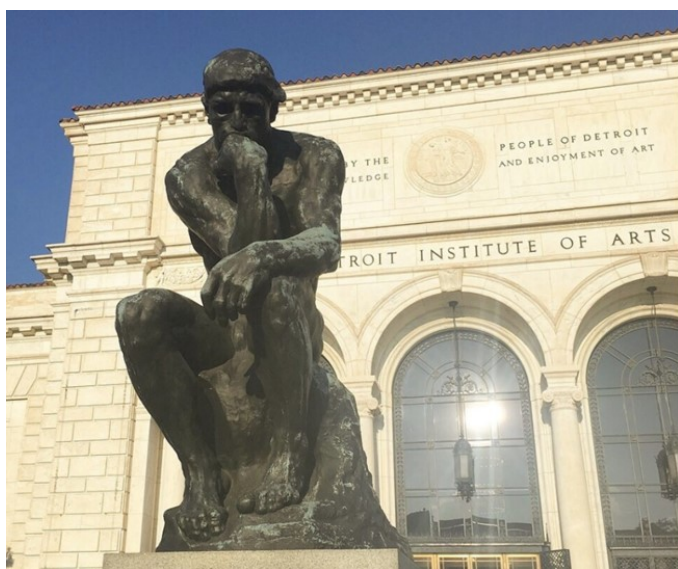
通用汽车总部复兴中心 (Renaissance Center)



底特律艺术馆 (Detroit Institute of Arts)

底特律美术馆 (Detroit Institute of Arts) 建立于1885年, 自称是美国排名第六的博物馆, 2003年曾被评为美国第二大市属博物馆, 馆内有100多个画廊, 藏品包罗万象, 对艺术文化发展的历史整理也很完备, 陈列着来自世界各地的著名美术珍品。可分为非洲、大洋洲和美洲原住民艺术, 美国艺术, 亚洲和伊斯兰国家艺术、欧洲艺术、当代艺术和表演艺术等。馆藏的名贵作品包括梵高的《自画像》、迪戈·里维拉的《底特律的工业》以及奥古斯特·罗丹的雕塑作品《思考者》。

对艺术文化感兴趣的小伙伴们不可错过!



The Ford Piquette Avenue Plant 福特皮格特大道厂

来了汽车城，怎么能不去看看老汽车工业的辉煌。地址是461 Piquette St，在艺术馆附近。

“这是一个小博物馆，也是亨利·福特第一次为自己造车的地方。这里收集了福特现有的A-T型车的模型，变化相当有规律。导游是志愿者，他非常博学，很好地为我们讲述了亨利·福特是如何开始他的事业。”

“福特皮格特大道厂让你真切地回到汽车工业的发源时期。这里的木制地板和窗户都保留了这里的生产线刚建成时的模样，还展出了一些经典款车型。对于汽车爱好者来说，这里是个很酷的小型博物馆。”

摘自TripAdvisor。



Henry Ford Museum

距离downtown一段距离的Henry Ford Museum也是很受欢迎的游玩去处。

这里收藏着美国最伟大的发明与创造，为每一位游客打造最难以忘却的完美体验。这里是3个世纪以来，美国生活的缩影：最神奇的发明、最远见的卓识与最传统的文化，博物馆5座独特的景点包括：Henry Ford Museum®, Greenfield Village®, Ford Rouge Factory Tour, Benson Ford Research Center与IMAXTheatre，为你的世界重新打开一扇门。从赛车到种族隔离时代的公交车，从集成房屋到微处理器，亨利福特博物馆到处展示着那些改变世界的发明，无论大小。释放你的想象力，这里的天空没有极限。



Belle Isle

Belle岛位于美国和加拿大的交界处，岛上有很多的游玩项目，包括赌场、公园、博物馆、高尔夫球场、俱乐部等。



大家最关心的吃，吃，吃，吃来了。其实在网路上一搜，好吃的都在Ann Arbor，哈哈哈哈哈。。。可以开车前往Ann Arbor，那里好吃的请自行搜索。

小编推荐了几家在底特律downtown附近热门的餐馆，价格也在合理的范围内。

Green Dot Stables

历史悠久，菜单很简单，迷你鳕鱼汉堡，韩式汉堡等等都是两口一个，松露油炸薯条，强烈推荐kale salad。菜单上有个mystery meat，吃到过袋鼠肉，鳄鱼肉等等。菜的味道很好，酒单也不错，适合几个朋友喝酒聊天。注意事项：周一到周三排队时间较短，近周末的时候排队一般一小时往上。



Slows Bar BQ

开于底特律废弃的街区角落里，特色是各类烧烤肉食，也是一个颇受欢迎的酒吧，当烧烤与啤酒结合，那就是肉食者的天堂。据说他家的烤肉，烤排什么的好吃到哭。

前往该餐馆时也要注意安全，据说周围有很多黑人，挺吓人的。



Lafayette Coney Island

离会议中心非常近，典型的美式快餐，价格不高，评价很高，适合来去匆匆的你。



The Brooklyn Street Local LLC

当地人爱去的餐馆，提供美好的早午餐，评价很高，气氛很好，价格合理。



Prism

在底特律downtown吃牛排的好去处，也可以选择海鲜，价格比较高。



PizzaPapalis of Greektown

一家可以追溯到上世纪80年代的披萨店，披萨以其丰富的馅料以及健康的食材闻名。选材上只选择优质小麦粉，特殊配方创造了其独特的口感。奶酪来源于最好的奶酪出产地—威斯康星州，蔬菜以及肉类也是选择最新鲜优质的食材，在选材上的严苛创造了口感丰富又营养健康的披萨。评价非常高的披萨店。价格小贵。



Dime Store

该餐厅是美式烹饪餐厅，服务周到，餐厅有很多美国人喜欢光顾，虽然餐厅的面积不大，但胜在氛围很棒，创意料理、彩虹华夫饼深受欢迎。价格适中。



Giovanni's

评价“在这个地区选择这家餐厅还是个不寻常的选择。这里是适合下班职员，情侣，家庭等来的。食物质量是一流的，氛围也是很自在舒服的。这里主要是美味地道的意大利食物，人很多，是个很受欢迎的地方，名气很大。总之，现在是真的很值得来尝试的地方。”价格小贵。



Nemo's Bar & Grill

离downtown稍有距离，也是吃美式餐的好去处，重要的是热闹，晚间既可以吃饭还可以喝酒，几个小伙伴一起吃吃喝喝嗨一嗨的好地方。



是不是口水止不住了呢，小编也想尝尝。

餐馆就推荐到这里，欢迎小伙伴留言推荐更多更好的游玩地点和餐馆。

谢谢大家读我的推送！

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