

e-flight-forum in China: Ready for Takeoff

Organized by Flying Pages GmbH & Z-Park Sky Innovations General Aviation

Industrial Alliance

October 16-17, 2019

Shijiazhuang, China



| 中 | 关 | 村 |
蓝创通用航空产业联盟
Z-Park Sky Innovations General Aviation Industrial Alliance

flying-pages.com
zparkga.com/en/
e-flight-forum.com
e-flight-expo.com
e-flight-journal.com



e-flight-forum in China: Ready for Take off Preliminary Program



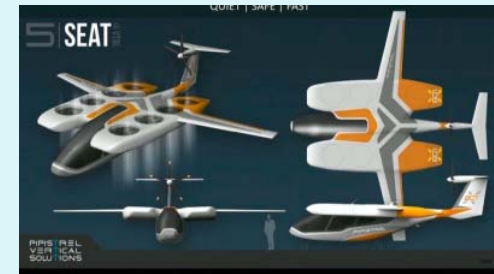
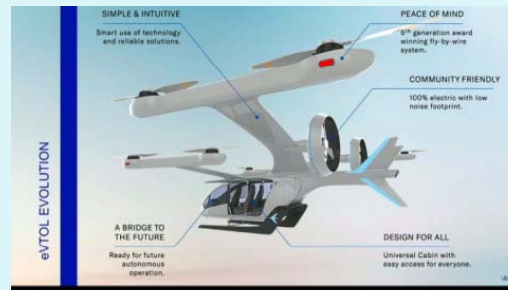
- ✓ The first electric aviation event in China since 2017;
- ✓ eVTOL, commuter, hybrid, motor, battery;
- ✓ Manufacturers, regulators, investors from China and the world;

e-flight-forum in China: Ready for Takeoff

China is an optimal country to promote electric aviation:

- ✓ Rising awareness of environmental issues in the society;
- ✓ The government's ambitious development plan for the general aviation development by 2020 and strong support for innovation;
- ✓ Electric airplanes suit China's GA operation needs very well;
- ✓ E-mobility has a good momentum in China who has become the world's largest electric cars market since 2015. 1.2 million electric cars were sold in China in 2018.

e-flight-forum in China: Ready for Takeoff



e-flight-forum in China: Ready for Takeoff



The first e-flight-forum held in Beijing in November 2017 invited about 40 prominent presenters from the world, had several world premiere projects and attracted over 300 audiences.

e-flight-forum in China: Ready for Takeoff



GAMA /EPIC and prominent speakers from the world came to the second e-flight-forum held in Changsha in November 2018.



e-flight-forum in China: Ready for Takeoff Preliminary Program

2019 Agenda :

- ✓ Certification of Electric Aircraft and Fly-by-wire technology
- ✓ Diversified eVTOL designs
- ✓ Social acceptance for e-flight and UAM
- ✓ Specific targeted fixed wing electric aircraft designs
- ✓ Energy storage technology & Power Train Design & Certification
- ✓ Infrastructure planning for electric aviation
- ✓ Networking session - Startup and investors presentation

e-flight-forum in China: Ready for Takeoff Preliminary Program

2019 e-flight-Forum Agenda 2019 国际电动航空论坛日程

10月16日上午: /Morning, October 16th, 2019

| 开幕式/Opening 主持人: 高远洋 | | | |
|--|---|---|-----------------|
| 时间 Time | 单位 Organization/Institute/Company | 嘉宾 Guest | 演讲内容 Content |
| 9:00-9:30 | 领导致辞 Opening welcome remarks | 市领导、杨凤田等 Shijiazhuang city official, Prof. Yang Fengtian | 开幕致辞 Address |
| 主持人: 德国 Flying Pages 公司威利·塔克/Host: Willi Tacke 议题一: 电动飞机及电传飞控技术适航审定 Session 1: Certification of Electric Aircraft and Fly-by-wire technology | | | |
| 时间/Time | 演讲题目/Topic | 演讲人/Speaker | |
| 9:30-9:50 | | 徐超群, 中国民航局航空器适航审定司司长 Xu Chaoqun, Aircraft Airworthiness Certification Department of CAAC, Director in General | |
| 9:50-10:10 | "His subjects EASAs view on certification of electric aircraft and eVTOL" | Javier Vicedo Ph.D. 魏嘉业博士 EASA Representative China and North Asia | |

e-flight-forum in China: Ready for Takeoff Preliminary Program

| | | |
|-------------|--|--|
| | | |
| 10:10-10:30 | “Accounting for Certification in Flight Control Development for Electric Aircraft and eVTOL” | 弗洛里昂·赫查菲教授，慕尼黑工业大学飞行控制系系主任 Florian Holzapfel, TUM, Chair of Flight System Dynamics |
| 10:30-10:50 | | 张曙光教授，北航交通科学与工程学院 Zhang Shuguang, Chair Professor, Department of Aircraft Airworthiness Engineering, School of Transportation Science and Engineering, BUAA |
| 10:50-11:10 | “Status of the validation of UL certification between Cz Republic and china” | 扬·弗雷德里奇，捷克轻型飞机协会副理事长 Jan Fridrich, vice president, LAA Czech Republic |
| 11:10-11:30 | “Use of automotive components and sensors in certified aircraft” | 艾尔文·威戈，博世通航技术公司总经理 Erwin Weger, Bosch General Aviation Technology, General Manager |
| 11:30-11:50 | 讨论 Panel Discussion | 该组嘉宾 Speakers |
| 11:00-11:15 | 电动航空适航顾问委员会成立仪式 | |
| 11:15-12:15 | 午餐 Lunch | |

e-flight-forum in China: Ready for Takeoff Preliminary Program

10月16日下午:

Afternoon, October 16th, 2019

议题二: 有针对性的电动固定翼机型

Session 4: Specific targeted fixed wing electric aircraft designs

| 时间 | 演讲题目 | 演讲人 |
|-------------|--|--|
| 12:20-12:40 | “LEADING THE CHARGE OF DEVELOPING PRACTICAL, COMPELLING, ELECTRIC AIRCRAFT” | 赢淑娴博士, 安飞航空科技公司高级副总裁兼全球合伙人 Dr. Susan Ying, Ampaire, SVP, Global Partnership |
| 12:40-13:00 | 万丰钻石在混合动力飞机上的研发及应用 The R&D and implementation of hybrid aircraft of Wanfeng Diamond | 吕元, 万丰飞机工业总经理 |
| 13:00-13:20 | “Development of a 19 seat electric commuter aircraft” | 安德斯·福斯伦德, Heart 电动飞机公司, 创始人 Anders Forslund, Heart Aerospace, founder |
| 13:20-13:40 | “Flight Designs strategy towards electric aircraft” | 马蒂亚斯·贝斯, Flight Design 飞机公司 CEO, Matthias Betsch, Flight Design, CEO |
| 13:40-14:00 | Metro Hop: The eSTOL solution to urban air mobility | 布鲁诺·蒙布里尼, Metro Hop 电动飞机公司, 创始人 Bruno Mombrinie, Metro Hop, founder |

e-flight-forum in China: Ready for Takeoff Preliminary Program

| | | |
|-------------|--|--|
| 14:00-14:20 | eViation Alice special design features of the first 11 seat commuter | 卡尔·凯撒, Eviation 电动飞机公司顾问 Karl Käser, Eviation, consultant |
| 14:20-14:40 | “The 10 seat commuter project of Skylax for short haul distance” | 卡林·哥罗刚, 德国 Skylax 电动飞机公司创始人 Calin Gologan, Skylax, founder |
| 14:40-15:00 | 飞行汽车发展及其关键技术 Development and Key Technologies of Flying Vehicle | 张扬军, 清华大学通用航空技术研究中心主任 Zhang Yangjun Director of General Aviation Technology Research Center of Tsinghua University |
| 15:00-15:20 | 交流讨论 panel discussion | 该组嘉宾 Speaker |
| 15:20-15:30 | 锐翔电动飞机签约仪式 | |

议题三：多样性电动垂直起降机型

Session 3: Diversified eVTOL designs

| 时间/Time | 演讲题目/Topic | 演讲人/Speaker |
|-------------|--|--|
| 15:30-15:50 | Pipistrel latest development of pipistrels 801 eVTOL and other electric aircraft | 吴昊, 蝙蝠亚澳通航技术有限公司, 总裁 Danny Wu, CEO of Pipistrel China |
| 15:50-16:10 | From V600 to the next steps of eVTOL | 田瑜, AutoflightX 电动飞机公司创始人 |

e-flight-forum in China: Ready for Takeoff Preliminary Program

| | | |
|-------------|---|---|
| | | Tian Yu, Founder of AutoflightX |
| 16:10-16:30 | 一种 eVTOL 飞行器突风减缓的自适应变形翼 Adaptive Morphing Wing for Gust Alleviation of an eVTOL Aircraft | 郭士钧教授, 克兰菲尔德-北航航空联合创新中心 Prof. Guo Shijun, CU-BUAA Joint Centre for Aerospace Innovative Technologies |
| 16:30-16:50 | “Update on Airbus’ developments in Urban Air Mobility” | 郑馨杰, 空客城市空中交通亚太区总监 Derek Cheng, Airbus, Urban Air Mobility, Head of Asia-Pacific |
| 16:50-17:10 | “Development of electric and Hybrid electric propulsion systems for eVTOL” | 吉勒斯·罗森伯格, 法国法拉第航空科技公司创始人 Gilles Rosenberger, Faraday Aerospace, Founder |
| 17:10-17:30 | 交流讨论 Panel Discussion | 该组嘉宾 Speakers |
| 17:15 | 晚宴: 乘车返回酒店 | |

10月17日上午:

Morning, October 17th, 2019

| | | |
|---|------------|-------------|
| 议题四: 动力及能量储存技术 Session 2: powertrain and energy storage technology | | |
| 时间/Time | 演讲题目/Topic | 演讲人/Speaker |
| 9:00-10:15 | 石家庄航展开幕式 | |

e-flight-forum in China: Ready for Takeoff Preliminary Program

| | | |
|-------------|---|---|
| | Shijiazhuang Airshow opening reception | |
| 10:45-11:05 | | 张伟，宁德时代新能源科技有限公司，总监 Wei Zhang, CATL, Director |
| 11:05-11:20 | “Rolls Royce ways to electric and hybrid electric propulsion systems” | 张焱崑，西门子电动飞机高级商业发展经理 Qingying Zhang, Rolles Royce electric, Senior Manager of Business Development |
| 11:20-11:35 | “Development of Hybrid electric propulsion system for small aircraft” | 马克·贝克，奥地利罗泰克斯公司航空业务总监 Marc Becker, Head of Aircraft Business of BRP Rotax |
| 11:35-11:50 | 先进的电动飞机推进电机的设计 Advanced e-aircraft Propulsion Motors Design | 约格·简宁，卧龙控股集团有限公司，中央研究院欧洲区主管 Jörg Janning, Wolong Holdings Group, Chief of Research institute in Europe |
| 11:50-12:05 | Challenges for Hybrid electric propulsion for eaircraft and eVtol | 尤根·斯瓦茨，美国大陆发动机公司执行副总裁 Juergen Schwarz, Executive Vice President of Continental Motors |
| 12:05-12:20 | Development of a Fuel cell commuter aircraft | 安德瑞斯·廷莫曼教授，柏林-柏兰登堡航空联盟，理事 .Andreas Timmermann, Berlin-Brandenburg Aerospace Prof Allianz, board member |
| 12:20-12:35 | “Development of a Hydrogen Technology for small | Peter Stadthalter |

e-flight-forum in China: Ready for Takeoff Preliminary Program

| | aircraft” | |
|---|--|--|
| “Development and certification of 12:35-12:55 | 交流讨论 Panel Discussion | 该组嘉宾 speaker |
| 12:55-14:00 | 午餐 lunch | |
| 10月17日下午: Afternoon, October 17th, 2019 | | |
| 议题五: 电动航空基础设施建设规划 Session 5: infrastructure planning and construction of electric aviation | | |
| 时间/Time | 演讲题目/Subject | 演讲人/Speaker |
| 14:00-14:20 | “UAM Infrastructure study & High Power charging update” | 保罗·史迪奇, 博莱克威奇公司, 革新性技术战略及创新总监 Paul Stith, Black&Veatch , Director, Strategy & Innovation Transformative Technologies |
| 14:20-14:40 | “Development of the structure of Urban air mobility already now” | 郑馨杰, 空客城市空中交通亚太区负责人 Derek Cheng, Airbus, Urban Air Mobility, Head of Asia-Pacific |

e-flight-forum in China: Ready for Takeoff Preliminary Program

| | | |
|---|---|--|
| 14:40-15:00 | “German Government Support for eVTOL and the building up of the infrastructure in Germany” | 汉勒尔·穆勒，德国贸易及投资公司 (GTAI)，顾问 Rainer Müller, GTAI, consultant |
| 15:00-15:20 | “Going ahead - The approach for installation of an infrastructure for eAircraft in the Nordic countries” | 艾瑞克·力顿，挪威 E1-FLY 公司，CEO Eric Lithun, E1-FLY, CEO |
| 15:20-15:40 | 交流讨论 Panel Discussion | 该组嘉宾 Speakers |
| 议题六：城市空中交通的社会推广 session 6: Social acceptance for UAM | | |
| 15:40-16:00 | “Lindbergh Innovation Forum - bringing electric aircraft and its innovations to a wider public and motivating the youth for it” | 艾瑞克·林白伯格，林白伯格基金会主席（录播视频） Erik Lindbergh, Lindbergh Foundation, Chairman 赢淑娴博士，林白伯格基金会理事 Susan Ying, Lindbergh Foundation, director |
| 16:00-16:20 | Vertical Flight Societies approach for promotion of eVTOL | 贝蒂·陈，垂直起降协会，亚洲太平洋地区代表 Betty Chen, VFS, Asia/Pacific Outreach |
| 16:20-16:30 | “Promotion of electric Aircraft through integration in the Ultralight Class with 600 Kilogramms” | Jan Fridrich，捷克轻型飞机协会副主席 LAA Czech Republic, Vice Chairman |
| 16:30-16:50 | 丝绸之路电动飞机拉力赛 Silk Road electric airplane Rally | Dieter Hornig |

e-flight-forum in China: Ready for Takeoff Preliminary Program

| | | |
|-------------|---|--|
| | | Founder Silk Road Rallye initiative |
| 16:50-17:00 | “Step by Step approach getting electric in the air and in service will be the best promotion” | 威利·塔克, 飞页公司, CEO Willi Tacke, Flying Pages, CEO |
| 16:00-17:20 | 交流讨论 Panel Discussion | 该组嘉宾 Speakers |

| | | |
|-------------------------------------|-------------------|-----------------------------------|
| 路演交流 Networking: roadshow | | |
| 时间/Time | 演讲题目/Topic | 演讲人/Speaker |
| 17:20-17:30 | 路演/交流 | 1、PAL-V 飞行车项目 PAL-V flying car |

e-flight-forum in China: Take the Momentum



| 中 | 美 | 村 |
蓝创通用航空产业联盟
Z-Park Sky Innovations General Aviation Industrial Alliance

Introduction of the Chinese co-host:

Founded in April 2016, Z-Park Sky Innovations General Aviation Industrial Alliance is a nonprofit organization with more than 60 members of the Chinese GA industry including manufacturers, operators, research institutes and investors, and has strong support from various government ministries. Headquartered in Zhongguancun Science Park (known as “Z-Park”), an area in northern Beijing known as “China’s Silicon Valley”, the Alliance is committed to spearhead the technological innovations of general aviation in China.

e-flight-forum in China: Ready for Takeoff

The event to meet old and new friends...in China

When: 16-17 October 2019

Where: Shijiazhuang, China

Venue: Hongtai Aerospace Engineering Center

How to register: Europe & USA: Willi Tacke, willi@flying-pages.com

China & Aisa: Xin Gou, xin@flying-pages.com

[More about the location and transportation in the next slide](#)

e-flight-forum in China: Ready for Takeoff



e-flight-forum in China: Ready for Takeoff

Venue: Hongtai Aerospace Engineering Center, Shijiazhuang



e-flight-forum in China: Ready for Takeoff

Shijiazhuang is the capital and largest city of North China's Hebei Province with over 10 million residents. It is 260 kilometres southwest of Beijing. Shijiazhuang is situated east of the Taihang Mountains extending over 400 km (250 mi) from north to south with an average elevation of 1,500 to 2,000 m (4,900 to 6,600 ft), making Shijiazhuang a place for hiking and outdoor trips.

For more information about Shijiazhuang city:

<https://en.wikipedia.org/wiki/Shijiazhuang>

e-flight-forum in China: Ready for Takeoff

How to get to Shijiazhuang:

International flights: Shijiazhuang Zhengding International Airport (IATA: SJW, ICAO: ZBSJ) has direct flight to/from Taipei, Moscow and southeast Asian region.

Domestic connection: due to its close proximity to Beijing, **Shijiazhuang doesn't have flight to Beijing**. Changsha has multiple daily flight to/from all other major Chinese cities including Shanghai, Shenzhen, Guangzhou, Chengdu etc. We recommend to plan the flight via one of above Chinese cities.

By air: Shijiazhuang is 2 hours to Shanghai, 3 hour to Guangzhou, 2.5 hours to Chengdu.

By high speed train: Changsha is 1-2 hours to Beijing

e-flight-forum in China: Take the Momentum

The forum venue is 25km and 30 minutes drive from the city center. We arrange a special price for the Forum at the five-star Ximei Continental:

<http://en.xmwzhotel.cn/>

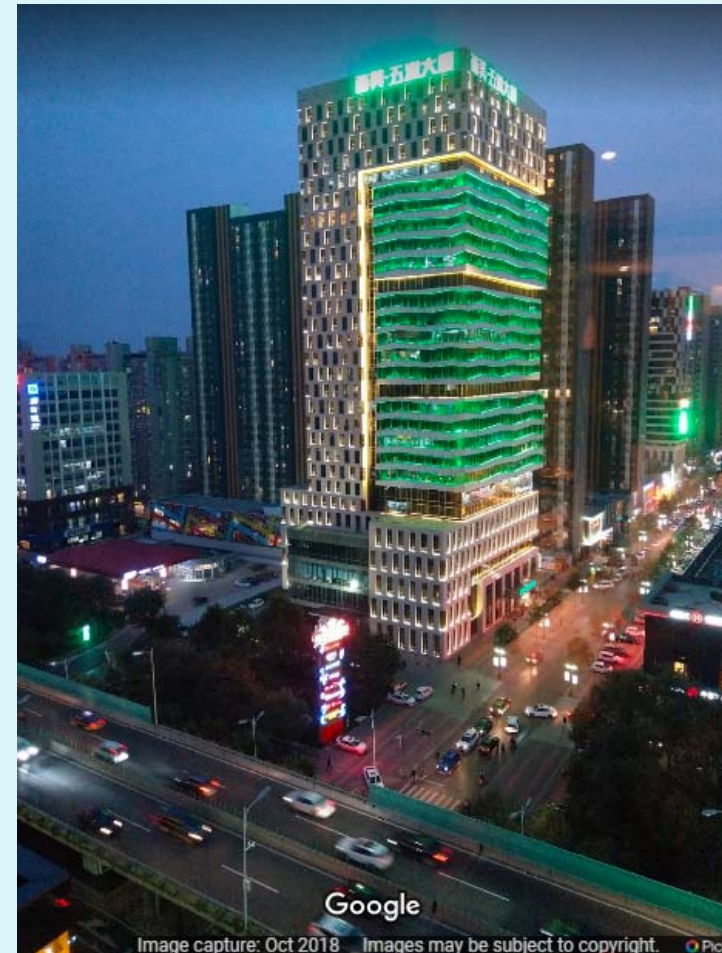
Hotel location on Google map:

<https://goo.gl/maps/2tpAJbfX7239KcB>

[LA](#)

There'll be shuttle bus from this hotel to the venue during the Forum

Please email to Lulu Dai to reserve:
15801307370@163.com



e-flight-forum in China: Ready for Takeoff

For more information about electric aviation:

flying-pages.com

e-flight-forum.com

e-flight-expo.com

e-flight-journal.com