

# e-flight-forum China: Ready for Take off

Organized Flying Pages & Z-Park General Aviation Alliance

December 15-16, 2021 Program

**ONLINE**



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## e-flight-forum 2020 edition **online** only



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- ✓Due to the international COVID19 pandemic and the travel restrictions around the world we decided to hold the e-f-f 2021 hybrid with a real event in China starting at the Chinese morning time 8 am CET
- ✓live Zoom session in Chinese and English starting at 8 am CET
- ✓Online Panel discussions with participation options

# e-flight-forum 2020 edition **online** & real



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✓Join English life stream at

✓[https://www.e-flight-](https://www.e-flight-forum.com/index_livestream.html)

[forum.com/index\\_livestream.html](https://www.e-flight-forum.com/index_livestream.html)

✓Request for Zoom participation

[Christian](mailto:Christian@flying-pages.com)@flying-pages.com

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



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- ✓ The first electric aviation event in China since 2017;
- ✓ eVTOL, e-commuter, hybrid, motor, battery, hydrogen technology, fuel cell;
- ✓ Manufacturers, Universities, Regulators, Investors from China and the world;



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

### 2021 Agenda :

- ✓ State of the art and certification of electric propulsion systems
- ✓ eVTOL systems
- ✓ UAM traffic management
- ✓ Fixed wing eAircraft – Fuel cell propulsion
- ✓ First use cases- e -trainer, e-Commuter, cargo delivery drone
- ✓ Certification of e-aircraft.

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# e-flight-forum in China: Ready for Takeoff eVTOL, eCommuter, epropulsion Hyrogene and more



**eCommuter**



**UAM - ATM**



**Cargo drones**



**first usecases**



**e-flight GA**

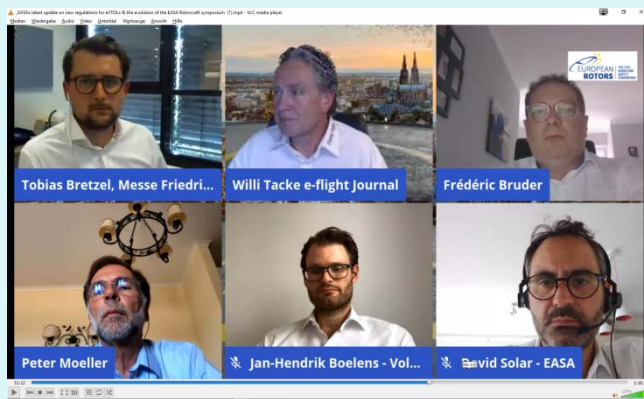


**eVTOL**





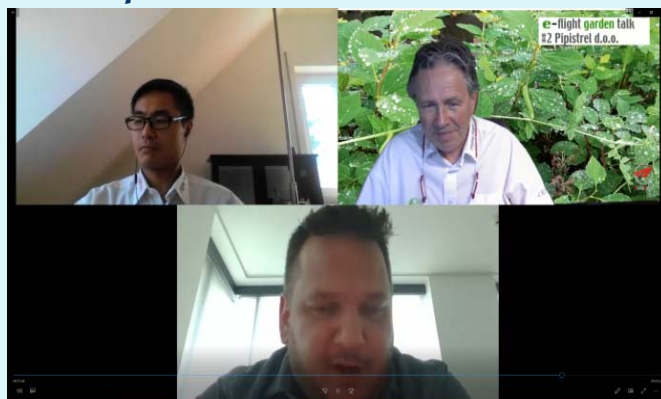
# e-flight-forum 2020



*online panel discussion*



*online presentation*



*Zoom B2B Meetings*



*Virtual Exhibit*



## e-flight-forum in China: Ready for Takeoff Background 202 / 21

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 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 vehicle market since 2015.



## e-flight-forum in China: Ready for Takeoff 2017 Beijing



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

## e-flight-forum in China: Ready for Takeoff 2018 Changsha





# e-flight-forum in China: Ready for Takeoff 2019 - Shijiazhuang



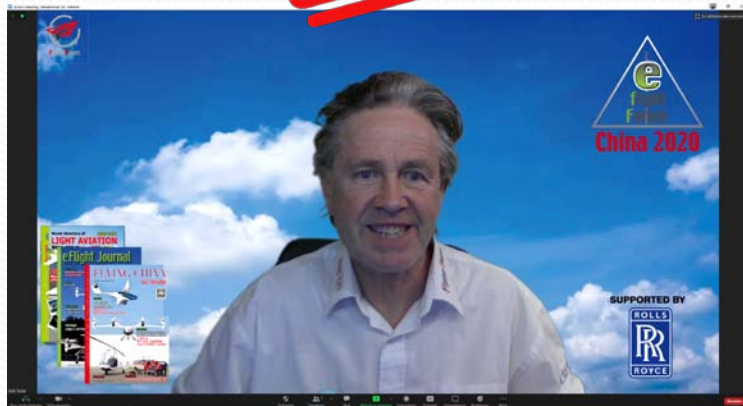
**ONLINE**

## e-flight-forum China 2020 Online:

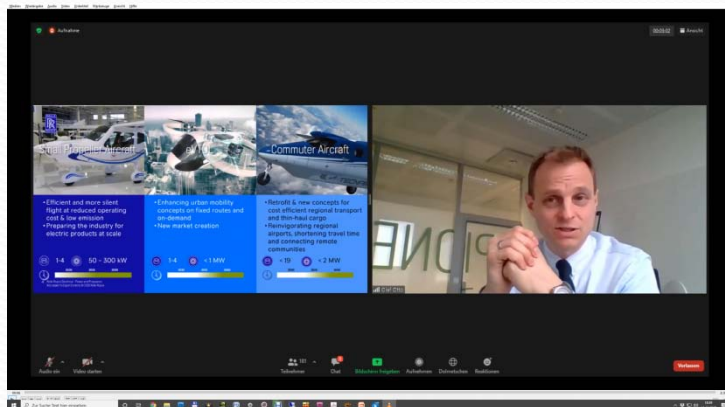
The screenshot shows a Zoom video conference interface. In the center, a man with grey hair, wearing a white button-down shirt, is smiling and speaking. The background is a blue sky with white clouds. In the top right corner of the video frame, there is a logo for "e flight Forum China 2020" featuring a stylized 'e' inside a triangle. In the bottom right corner, it says "SUPPORTED BY" above the Rolls-Royce logo. On the left side of the video frame, there is a stack of three aviation magazines: "World Directory of LIGHT AVIATION", "eFlight Journal", and "FLYING CHINA". The Zoom interface at the bottom shows various icons for video, chat, and other functions, along with a "Breakout" button on the right.

# e-flight-forum China 2020 Online:

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## e-flight-forum in China: Ready for Takeoff

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The event to meet old and new friends from China,  
Europe and the world

**When:** 15-16 December 2021

**Where:** Real Yichang, Hubei province, China

Online: Zoom - Youtube -stream

**How to register:** Europe & USA: Willi Tacke, [willi@flying-pages.com](mailto:willi@flying-pages.com)  
China & Asia: Xin Gou, [xin@flying-pages.com](mailto:xin@flying-pages.com)



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## 2021国际电动航空论坛议程 E-Flight-Forum Program

### 开幕式 opening ceremony

主持人: 高远洋 北京航空航天大学通用航空产业研究中心主任  
Host: Gao Yuanyang, director, General Aviation Industry Research Center, BUAA

### 致辞 honorary speech

林左鸣 中国航空学会理事长  
Lin Zuoming, Secretary General, Chinese Society of Aeronautics and Astronautics

### 视频致辞 Honorary speech (Video)

罗尔斯罗伊斯电气公司  
Rolls Royce Electrical

Joby航空公司  
Joby Aviation

议题一: eVTOL电动垂直起降飞行器 subject 1: eVTOL  
议题二: 电动飞行器适航审定 subject 2: Certification of electric aircraft  
议题三: 氢能航空 subject 3: Hydrogen aviation  
议题四: 电驱动力系统 subject 4: Electric propulsion  
议题五: 固定翼 subject 5: Electric fixed-wing airplanes  
议题六: 基础设施及运营保障 subject 6: Infrastructure and operation

2021/12/15 15 December (Wednesday)

时间 time	单位名称 entity	职务 job title	姓名 name	演讲题目 topic	欧洲中部时间 (CET)
9:30-9:50	中国民用航空局适航司 (线上) CAAC certification department (Online)	司长 Director General	杨桢梅 Yang Zhenmei	电动飞机适航审定考虑和展望	2:30-2:50AM
9:50-10:10	工业和信息化部装备中心重大装备处 Ministry of Industry and Information (MII)	处长 Director	金伟 Jin Wei	锚定碳达峰碳中和目标, 加快推进电动航空发展	2:50-3:10
10:10-10:30	清华大学 Tsinghua University	教授 Professor	张扬军 Zhang Yangjun	飞行汽车研究探索与未来发展	3:10-3:30
10:30-10:50	中国商飞北研中心 (线上) COMAC, Beijing Aircraft Technology Research Institute (Online)	预研总师 Chief Engineer of Advanced Research	杨志刚 Yang Zhigang	“双碳”背景下新能源民机发展展望	3:30-3:50

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10:50-11:10	中国民航中南管理局 CAAC Central and Southern Regional Administration	审定处调研员 Director	陶娟 Tao Juan	民用航空产品适航管理实践与思考	3:50-4:10
11:10-11:30	同济大学 Tongji University	首席专家 Lead Scientist	明平文 Ming Pingwen	氢能燃料电池及航空应用进展	4:10-4:30
11:30-11:50	小鹏汇天 HT Aero	创始人兼CEO Founder & CEO	赵德力 Zhao Deli	飞行汽车全场景思考	4:30-4:50
12:00-13:00	合影 group photo 自助午餐 lunch				5:00-6:00

13:00-13:20	中国民航干部管理学院 CAAC Management Institute	主任 Director	吕人力 Lu Renli	基于航线的无人机运行	6:00-6:20
13:20-13:40	沃飞长空 Aerofugia	总裁 President	郭亮 Guo Liang	智行畅达——城市空中出行发展路径	6:20-6:40
13:40-14:00	顺丰无人机 SF Express UAV	董事长 Chairman	李东起 Li Dongqi	VTOL垂直起降无人机	6:40-7:00
14:00-14:20	亿航智能 Ehang	副总裁 Vice President	蒋瑜涛 Jiang Yutao	城市空中交通运营管理	7:00-7:20
14:20-14:40	辽宁通用航空研究院 Liaoning General Aviation Academy (LGAA)	副院长 Vice President	赵铁楠 Zhao Tienan	锐翔系列电动飞机的适航实践	7:20-7:40
14:40-15:00	北京航空航天大学 BUAA	教授 Professor	张曙光 Zhang Shuguang	eVTOL自主飞行和安全性	7:40-8:00
15:00-15:20	宁德时代 CATL	电池管理系统部总监 Director, BMS	张伟 Zhang Wei	航空电动化的挑战和展望	8:00-8:20

## 电动垂直起降飞行器 (eVTOL)

15:20-15:40	峰飞航空科技 Autoflight	创始人兼董事长 Founder & Chairman	田瑜 Tian Yu	电动垂起 改变世界 Presentation of the V1500 M- first Flight and new European Program of autoflight	8:20-8:40
15:40-15:55	美国Joby电动飞机公司 (tbc) Joby Aviation	政府事务总监 Head of Government & Regulatory Affairs	Greg Bowles	Joby电动垂直起降飞行器最新进展 State of development of Joby eVTOL program development	8:40-8:55
15:55-16:10	德国eMagic电动飞机公司 eMagic Aviation	创始人兼CEO Founder & CEO	Michael Kügelgen	eMagic电动垂直起降飞行器项目 eMagic: Development of a brand new German eVTOL until first Flight and first Hover	8:55-9:10
16:10-16:25	交流讨论 Group discussion		该组嘉宾		9:10-9:25
16:25-16:30	下一组准备间隔 preparation break				9:25-9:30

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电动飞行器适航审定 Certification of electric aircraft					
16:30-16:45	EUROCAE	项目经理 Technical Programme Manager	Sebastian Reschenhofer	与厂商合作建设SC-VTOL适航规章及符合性方法 Developing of standards and means of compliance for SC-VTOL in cooperation with manufacturers	9:30-9:45
16:45-17:05	中国民航科学技术研究院适航所 CAAC Research Institute	博士 Researcher	郝志鹏 Dr. Hao Zhipeng	电力航空器审定的一点思考	9:45-10:05
17:05-17:20	德国ITK公司	Lead Engineer Aerospace	Andreas Pistek	针对电动垂直起降飞行器及其他应用的航空软件开发及适航审定 Aviation software developement and certification for eVTOL and other applications	10:05-10:20
17:20-17:35	奥地利FACC公司	副总裁（城市空中交通） VP of UAM	Christian Mundliger	针对城市空中交通应用的结构件设计、制造与审定 Design, manufacturing and Certification of structural components for the UAM market	10:20-10:35
17:35-17:50	交流讨论 group discussion		该组嘉宾		10:35-10:50
17:50-17:55 下一组准备间隔 preperation break					10:50-10:55
氢能航空 Hydrogen aviation					
17:55-18:15	国家电投集团氢能发展有限公司 SPIC Hydrogen Energy Co.Ltd.	技术总监 CTO	陈平 Chen Ping	国家电投氢能公司航空应用场景研发介绍	10:55-11:15
18:15-18:30	乌尔姆大学 Ulm University	教授 Professor	Josef Kallo		11:15-11:30
18:30-18:45	德国APUS氢能飞机项目	CEO	Phillipp Sheffel	氢燃料电池在双座及更大电动机型上的集成应用 Fuel Cell integration into GA Aircraft in Germany from 2 seater to larger aircraft	11:30-11:45
18:45-19:00	博世通航公司 Bosch GA	CEO	Christian Grim	车用氢燃料电池系统的航空应用 Synergies through the use of automotive fuel cell and hydrogen system components in aviation	11:45-12:00
19:00-19:15	美国ZeroAvia氢能飞机公司	董事 Board Member	Michael Friend	氢燃料电池通勤机型开发 Developement of a fuel cell driven electric Commuter aircraft in a step by step approach	12:00-12:15
19:15-19:30	交流讨论 group discussion		该组嘉宾		12:15-12:30

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2021/12/16 16 December (Thursday)

8:00-10:30	参观犹亭区企业 visiting local companies				1:00-3:30
11:00-11:20	湖北省通用航空产业联盟 General Aviation Industry Alliance of Hubei Province	理事长 Secretary General	徐强 Xu Qiang	电动航空产业链上的湖北通用航空	4:00-4:20
11:20-11:40	宜昌斯塔娜航空科技有限公司 Sterna Propellor	董事长 Chairman	郑伟 Zheng Wei	螺旋桨和飞机总体设计的匹配性（桨机匹配），浅谈长航时整机设计	4:20-4:40
12:00-13:00	自助午餐 lunch				5:00-6:00
13:00-13:20	之江实验室智能机器人研究中心 Robot Research Center, Zhejiang Lab	副主任 Deputy Director	谢安桓 Xie Anhuan	关于eVTOL智能化的思考和探索	6:00-6:20
13:20-13:40	西工大飞机电推进技术工信部重点实验室 Electric Propulsion lab, Northwestern Polytechnical University	教授 Professor	李伟林 Li Weilin	分布式电动涵道推进飞行器介绍	6:20-6:40
13:40-14:00	江苏亨睿航空工业有限公司 Hengrui Aerospace	技术部部长 Director, Technology Department	高玉宝 Gao Yubao	复合材料制造工艺	6:40-7:00
14:00-14:20	北京数智航云科技有限公司 Beijing SZHY Technology	总经理 General Manager	王鹏 Wang Peng	数字化智能化技术赋能低空空域运行管理	7:00-7:20
14:20-14:30	万户宇航工业有限公司 Wanhu Aerospace	董事长兼CEO Chairman & CEO	张天洪 Zhang Tianhong	以技术创新，拥抱航空产业新时代	7:20-7:30
电驱动力系统 Electric propulsion					
15:00-15:20	卧龙电驱全球中央研究院 Global Research Center, Wolong Electric Group	副总裁 Vice President	刘栋良 Liu Dongliang	电动航空用高功率密度电驱动力系统的机遇与挑战	8:00-8:20
15:20-15:35	罗尔斯罗伊斯电气公司 Roll Royce Electrical	客户项目总监 Customer Business Director	Matheu Parr	固定翼及垂直起降电动飞行器电推系统开发与适航审定 Development and certification of eMotors and electric propulsion systems for fixed-wing and eVTOL	8:20-8:35
15:35-15:50	捷克MGM Compro公司	董事总经理 Managing Director	Martin Dvorsky	各类电动飞行器电推系统开发实践 Design and development of propulsion systems for various eAircraft from light single-seater to eCommuters and eVTOL	8:35-8:50

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15:50-16:05	德国Helix公司	CEO	Richard Krüger-Sprengel	针对电动飞行器的螺旋桨开发实践 Development of Propellers specially for electric aircraft and eVTOL	8:50-9:05
16:05-16:20	慕尼黑工业大学 Technical University of Munich	教授 professor	Florian Holzapfel	电动垂直起降飞行器研究与生态链建设 Research and Cooperation of TUM in the eVTOL ecosystem.	9:05-9:20
16:20-16:35	交流讨论 group discussion		该组嘉宾		9:20-9:35
16:35-16:40	下一组准备间隔 preparation break				9:35-9:40
固定翼 electric fixed-wing airplanes					
16:40-16:55	北京理工大学未来立体交通研究院 BIT (Beijing Institute of Technology)	副院长 Vice President	张利国 Zhang Liguo	电动航空器的趋势与动力系统关键技术	9:40-9:55
16:55-17:10	钻石飞机公司 Diamond Aircraft Corp.	首席技术官 CTO	Marteen Freeling	eDA40: 23部电动教练机项目 Development of the new Diamond electric trainer aircraft eDA 40 in Part 23 class	9:55-10:10
17:10-17:25	德国Elektra Solar电动飞机公司	CEO	Calin Gologan	电动双座超轻型教练机项目 Development of the full electric Electra Trainer 2 seat Aircraft for the German UL Category	10:10-10:25
17:25-17:40	斯图加特大学, 飞行器设计研究所University of Stuttgart / Institute of Aircraft Design	所长 head of institute	Prof. Dr.-Ing. Andreas Strohmayer	FutPrint50: 混动电推50座支线飞机项目 FutPrint50 - towards a hybrid-electric 50-seat regional aircraft	10:25-10:40
17:40-17:55	电动飞机运营商	CEO	Mike Coats	电动飞机运营实践与新机型开发 More than 2 years of experience in Operation of various electric aircraft in Australia and US. And the development of a new e-Aircraft in Australia	10:40-10:55
17:25-17:40	交流讨论 group discussion		该组嘉宾		10:25-10:40
17:40-17:45	下一组准备间隔 preparation break				10:40-10:45
基础设施及运营保障 Infrastructure and operation					
17:45-18:00	垂直飞行协会 (VFS)	执行理事 Executive Director	Mike Hirschberg	Situation of the Development of the Infrastructure and ATC for UAM,	10:45-11:00
18:00-18:20	浙江圣翔航空科技有限公司 Zhejiang Sensha	副总裁 vice president	张鸿飞 Zhang Hongfei	圣翔航空助力绿色飞行--低空新基建运营服务商	11:00-11:20

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18:20-18:35	德国Skyroads公司	CEO	Corvin Huber	欧洲针对电动垂直起降飞行器的空管系统设计与建设实践 Design and build-up of ATC for eVTOL in cooperation with manufacturers and other Stakeholders with test areas in Germany and Europe	11:20-11:35
18:35-18:50	柏林及巴登符腾堡航空产业联盟（BBAA）	总裁	Prof. Dr. Andreas Timmermann	柏林及巴登符腾堡地区电动飞机基础设施建设与运营 The development of the infrastructure for development and Operations of electric aircraft and eVTOL in the Berlin Brandenburg region	11:35-11:50
18:50-19:05	交流讨论 group discussion				11:50-12:05
19:05-19:10	闭幕 Closing				12:05-12:10

✓Join English live stream at

✓[https://www.e-flight-forum.com/index\\_livestream.html](https://www.e-flight-forum.com/index_livestream.html)

✓Request for Zoom participation: [Christian@flying-pages.com](mailto:Christian@flying-pages.com)

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