

Sino-Swiss Seminar: Safety Measures and Technology in General Aviation

October 14, 2020

14:00-18:20 (BJ Time, 8:00-12:20 Swiss Time)

Organizers:

Chinese Society of Aeronautics and Astronautics (CSAA)
Swiss Association for Aeronautical Sciences (SvFW)
China Centre for International Science and Technology Exchange (CISTE)
Chinese Aeronautical Establishment (CAE)

Supporters:

International Council of the Aeronautical Sciences (ICAS)
CSAA Technical Committee of General Aviation
Zurich University of Applied Sciences (ZHAW), Centre for Aviation (ZAV)

Preliminary Program

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Background

The CSAA and the SvFW (Swiss Association for Aeronautical Sciences) are representative societies in the field of aeronautics in China and Switzerland. The two organizations have signed a MoU by the end of last year. To carry out bilateral exchanges, it's planned to hold a bilateral workshop in Switzerland this year, the second one next year in China in conjunction with the ICAF Congress. Thus, the two organizations will build up a series platform for bilateral cooperation and exchange, attracting professionals, industry leaders, authorities to come together. However, the COVID-19 has interrupted the original plan. To continue with Sino-Swiss cooperation, the two sides decided to hold the first bilateral exchange by virtual. After extensive discussion, the topic of Safety Measures and Technology in General Aviation is confirmed.

As an important part of civil aviation, the safety level of general aviation needs to be further improved. General aviation is a key factor in the frequent occurrence of flight accidents due to the huge variety of aircraft, the less experience of pilots, the complex operating environment, the irregular flight time, the shortage of airborne and ground navigation facilities, and the imperfect safety management system. Many general aviation companies are in shortage of mature pilots and experienced personnel, and relatively lag behind in the management of general aviation safety. Effective safety management will not only reduce flight accidents, but also improve the economic benefits of general aviation enterprises. After ICAO has put forward the concept of implementing a safety management system in each State party, a relatively sound safety management system has been generally established in transport aviation, but not in general aviation.

With the rapid development of general aviation in sync with the overall environment and trends, we must implement the basic work of general aviation safety protection before the industry fully bursts into bloom. Government departments should establish and improve general aviation laws and regulations as well.

Agenda (Beijing Time / Swiss Time)

14:00-14:10 08:00-08:10	Opening Address
14:10-14:40 08:10-08:40	Key-note speech 1 Title: Swiss Aviation Industry Dr. Jürg Wildi, President of SvFW
14:40-15:10 08:40-09:10	Key-note speech 2 Title: TBC Prof. Yuanyang GAO, Director of General Aviation Industry Research Center, Beihang University
15:10-15:40 09:10-09:40	Lecture 3 Title: UAV Safety Management Mr. Nathanel Apter, Special Advisor for Unmanned Systems, Federal Office of Civil Aviation (FOCA)
15:40-15:55 09:40-09:55	Break
15:55-16:25 09:55-10:25	Lecture 4 Title: Scheduled Flights and Training Flights Mixed Operation Safety Improvement Prof. Weijun PAN, Civil Aviation Flight University of China (CAFUC)
16:25-16:55 10:25-10:55	Lecture 5 Title: Flight control for GA aircraft Mr. Ralf Kürzi, CEO, Kuerzi Aviation AG Mr. Pierluigi Capone, Zurich University of Applied Sciences (ZHAW), Centre for Aviation (ZAV)
16:55-17:25 10:55-11:25	Lecture 6 Title: Structural Integrity Issues for Ageing General Aviation Aircrafts and Potential Measures Prof. Leiting DONG, Professor, Beihang University (BUAA)
17:25-18:20 11:25-12:20	Panel Discussion

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Seminar Co-Chairs:



Dr. Xinguo ZHANG

Distinguished Professor,
Tsinghua University;
Chief Expert of System Engineering,
CAE VP, CSAA



Dr. Jürg Wildi

President of SvFW

Panel Discussion Co-Chairs:



Mr. Lei YANG

CEO of China Aviation Industry
General Aircraft Co., Ltd



Prof. Leonardo Manfriani

Zurich University of Applied
Sciences (ZHAW),
Centre for Aviation (ZAV)

Speakers:



Key-note speech 1:
Title: Swiss Aviation Industry

Dr. Jürg Wildi

President of SvFW



Key-note speech 2:
Title: TBC

Prof. Yuanyang GAO

Director of General Aviation Industry
Research Center, Beihang University



Lecture Title 3:
UAV Safety Management

Mr. Nathanel Apter

Special Advisor for Unmanned
Systems, Federal Office of Civil
Aviation (FOCA)



Lecture Title 4:
*Scheduled Flights and Training
Flights Mixed Operation
Safety Improvement*

Prof. Weijun PAN

Civil Aviation Flight University
of China(CAFUC)



Lecture Title 5:
Flight control for GA aircraft

Mr. Ralf Kürzi

Kuerzi Aviation AG Job Position CEO



Lecture Title 6:
*Structural Integrity
Issues for Ageing General
Aviation Aircrafts and
Potential Measures*

Prof. Leiting DONG

Professor, Beihang University (BUAA)



Mr. Pierluigi Capone

Zurich University of Applied
Sciences (ZHAW),
Centre for Aviation (ZAV)

Fill it out in CHINESE if you are from CHINA (中方代表报名请中文填写)

Name with title		Position	
Affiliation		Nationality	
Contact number		E-mail	
Member of CSAA <input type="checkbox"/>		Member of SvFW <input type="checkbox"/>	
ID:		ID:	
Not a member			

Due to the capacity, there are only 90 seats in the ZOOM meeting room for each hosting country. We follow First Come, First Enjoy policy. Meanwhile our membership enjoys priority. You will get a reply about the ID and password if succeed. Otherwise, please watch it online.

For these who have applied successfully, please be noted that the ID is only for one-person entry. Do not share it with any others. If there are more delegates in the meeting room than expected, our speakers may fail to enter it.

Secretariat: China Ms. Xue ZHANG, cuijzcsaa@163.com, 861084924385
Please mark "SSS Registration" on the theme line (邮件主题务必注明SSS报名)

Switzerland Dr. Jürg Wildi, juerg.wildi@bluewin.ch