# 导师: advisor

# 师兄: fellow

听，然后跟读，背。

1. 姬中林:<http://efanyi.cc/tts/> 姬中林:这个网站可以读 整篇的英文
2. 姬中林:<https://www.ffkuaidu.com/> 姬中林:这个是讯飞的，一次只能读800字

# **. .** 中林.

. . Q：What is the purpose of your trip ?.

. . A：to attend a conference. The name of the conference is the AIAA Propulsion and Energy Forum and Exposition, the conference is held in 19-22 Aug 2019 in Indianapolis, Indiana..

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. . Q: What’s the conference about?.

. . A: This Forum is organized by AIAA, the world's largest professional society devoted to the progress of engineering and science in aviation and space..

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. . Q:What’s your paper about?.

. . A: smart sensor to measure high temperature on aero-engine turbine blade surface..

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. . Q: What’s your research?.

. . A: My research is mainly focused on the wired and wireless high temperature testing technology. The wired technology is to Pt/PtRh thermocouples, while the wireless mainly refers to surface acoustic wave devices..

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. . Q: How long have you prepared your visa interview? Have u prepared the interview in Indianapolis?.

. . A: When I received the invitation letter, I started preparing for the visa interview and conference presentation..

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. . Q：what’s your major?.

. . A：Electronic Science and Technology..

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. . Q：Are you a graduate student?.

. . A：Yes, Graduate First Grade.

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. . Q：Why do you want to attend the conference?.

. . A：One important reason is because this conference has "No Podium, No Paper" policy which require the authors present the paper physically in the meeting. These policies are intended to improve the quality of the conference for all participants, and to ensure that the published proceedings accurately represent the presentations made at a conference...

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. . Q：are you a speaker?.

. . A：yes ， I’m a presenter, and will make a presentation for 30 minutes..

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. . Q: What will you say at the conference?.

. . A: I will mainly show this paper to introduce the high temperature testing technology we studied..

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. . Q：What’s your thesis about?.

. . A：（自觉递上我的论文）Here you are！an kind of sensor for high temperature measurement..

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. . Q：How many day’s will you stay？.

. . A：about three days.

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. . Q：Have a good time in USA.

. . A：Thank you！Have a nice day!.

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. . Q: Have you ever been to nations aside of China? Have you ever gone abroad?.

. . A: No, it’s my first time to go abroad..

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. . Q: Where is your HUKOU(户口)?.

. . A:AnHui.

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. . Q: Who do you think is the best president of the US?.

. . A:罗斯福.

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. . Q: Why did you come to Shenyang for an interview?.

. . A: This meeting will be held on August 19-22. And in Shanghai I would probably have to choose a visa interview after August. So the time is not enough, I choose Shenyang for the interview..

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. . Q: What is your plan after your graduation?.

. . A: try my best to find a good job and earn money. **As to my future plan, I need to finish my master degree program first. After graduation. Maybe I will find a job in China, Or I consider to continue my phd program in my group .**

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. . Q: Do you plan to come to America after graduation?.

. . A: I haven't planned yet, but I really want to travel to the United States after graduation..

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. . Q: Do you like America?.

. . A: Yes, of course. I like Hollywood blockbusters very much..

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. . Q: How do you think about Chinese American Current Trade war?.

. . A: Trade wars have an impact on both countries, and may have a greater impact on China. The Chinese people are friendly to the American people. We have always cherished the American people's help to China in its misery during World War II. The Chinese people are eager for peace and a better life. We look forward to a proper settlement of trade wars..

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# . . 昊天.

. . **Conference: AIAA Propulsion and Energy Forum and Exposition.**

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. . This is a dynamically shifting time for power and energy systems that mobilize space and aeronautical vehicles. New paradigms in the propulsion field and operational efficiency are upon us, including in the areas of electric aircraft, hybrid rockets, automation, robotics, and hypersonics. The tipping point for these technologies to become a reality and be fully implemented is near..

. . In addition to the historically strong propulsion and energy topics, the 2019 forum will also offer: (Includes topics from the AIAA Space Technical Community in 2019).

. . · Enhanced space content, from lunar space to small satellites to space architecture.

. . · Executive-level focus on space propulsion, energy science, air-breathing propulsion, electric propulsion, and more.

. . · Celebration of the 50th anniversary of the Apollo 11 lunar landing with special exhibits on the Apollo-era technologies and systems.

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. . **Paper.**

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. . Based on the requirements for aeroengine intelligence, wireless sensors need to be fabricated on the surface of the turbine blade. The surface acoustic wave (SAW) temperature sensor has the advantages of small size, simple fabrication, high sensitivity, and very importantly, its wireless and passive sensing ability, i.e. to sense and transmit the signal without wire and battery. In this paper, a MEMS process is used to fabricate a SAW temperature sensor on lithium niobate substrate. The surface electrode is platinum for high temperature stability, and silicon dioxide is used for passivation over the SAW device.. A series of high temperature RF measurements were performed on this SAW sensor and results show that the sensor can achieve high temperature measurement up to 800 °C, breaking the traditional technical barrier that LiNbO3-based SAW sensor cannot operate at higher temperature than 400°C.. The measured temperature coefficient is -3KHz/°C, which has good linearity and good measurement repeatability. High temperature sensing system was set up using network analyzer, antenna and modified muffle furnace..

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. . **My work.**

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. . Mainly in high temperature wireless measurement technology, including surface acoustic wave and Dotted Pt/PtRh Thermal Couple. Along with production process of MEMS sensors like photolithography and so on..

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. . **Travel record.**

**. .** I have been to Taiwan hualian in 2015 for attending Cross-Strait Elite Student Leadership Camp..

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. . **Education.**

**. .** Master's second year..

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