CAUC—Civil Aviation University of China:
- University headquartered in Tianjin, China
- Devoted to aviation-related research and development

Technical contribution:
- Research papers
  - 4D Trajectory Modeling and Pub/Sub Mechanism based on Interoperability Mode
  - Runway Utilization Analysis based on the Stochastic Petri Net Model
  - A Probabilistic Algorithm to Medium-term Conflict Detection with Multi-way points Mode
  - Research on Aerodrome Control Effective Index System
  - Calculation Model of Airspace Utilization Rate Based on Flight time and the Space and Capacity of Airspace
  - Evaluating the technical efficiency of Chinese airport airside activities

Projects:
- Core technology for collaborative flow management, which is key research topic under the National High Technology Research Program
- AFTM system and application technology, which is a key research topic of Tianjin
- Basic theory and key technology for tower view simulator system, which is a Natural science Foundation Project
- Study into dynamic airspace planning technology, which is research topic under the National High Technology Research Program

Future activities:
- Trajectory-based early warning for operational safety
- Operational management based on dynamic collaborative network
- Optimization of tactical command procedure supported by precise positioning

Selected Publications:
- Analysis and Optimization of Air Traffic Operation Management under the Context of High Traffic Growth Rate and Large Flows

Contact Data:
- Prof. BAI Jie, Email: caucbaijie@sina.com
- Prof. ZHAO Yifei, Email: yfzhao@cauc.edu.cn, +86 13820209883