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*Doctor of education, East China Normal University, Shanghai, Founder of Ye Zhu Gong Gong*

**Biography**

- Doctor of education, East China Normal University
- Experts of scientific innovation courses / PBL design in 100 famous universities
- Founder of Minyu Education and Ye Zhu Gong Gong
- Board Member of Artificial Intelligence and Education Professional Committee of China Private Education Association
- Executive Board Member of Maker Education Professional Committee of China Educational Technology Association
- The referee of Global STEAM Education Masters

**Workshop Description**

*Workshop Title: PBL, let learning happen -- Analysis of Project Based Learning design based on curriculum cases*

1. Discussion on five basic problems of PBL. Focus on the core elements of project-based learning, project-based learning and other learning methods. The similarities and differences, the benefits of project-based learning to students' learning, the development path of project-based learning, and how to carry out project-based learning in the discipline are shared and discussed.
2. Classic case sharing of Project-based Learning - Engineering creation projects, scientific research projects, social humanities projects, product design projects (based on design thinking) and discipline based projects. Through the sharing and analysis of five types of project-based curriculum cases, we can understand PBL in an all-round way and feel the design principles and implementation process of PBL.
3. Suggestions on the design and implementation of project-based learning (basic principles, design framework and teaching process). Based on the case analysis, this paper puts forward operable suggestions on the design and implementation of project-based learning.