**Session Proposal**

# Session Title

Engineering technology system for efficient quality improvement of obstructed soil

# Session Organizers

1. Yuanfang Huang, China Agricultural University, yfhuang@cau.edu.cn
2. Qiuju Wang, Heilongjiang Academy of Black Soil Conservation and Utilization, China, bqjwang@126.com
3. Taku Nishimura (西村 拓), University of Tokyo, Japan, atakun@g.ecc.u-tokyo.ac.jp
4. Xiaogang Li, Nanjing Forestry University, China, xgli@njfu.edu.cn
5. Yunjia Liu, China Agricultural University, liuyunjia@cau.edu.cn

**The primary contact person**

Qiuju Wang, Heilongjiang Academy of Black Soil Conservation and Utilization, China, bqjwang@126.com

# Session Description

This session focuses on the construction of high-standard farmland and ground improvement engineering, and will provide an in-depth focus on the latest advances, existing challenges, and cutting-edge strategies for improving farmland quality. Discussions will include, but are not limited to, mechanical, chemical, and biological soil reclamation technologies. The presentation session will focus on various innovative engineering soil modification technologies to meet the different operational needs of farmland improvement, combined with practical application case studies, to illustrate the valuable experience and insights on the construction of high-standard farmland and land enhancement. The conference will place special emphasis on the close integration of soil reclamation technology with ecological environmental protection, comprehensive capacity enhancement and economic feasibility, and ensure the long-term stability and feasibility of farmland upgrading results through the optimization of technological models and operational parameters. The conference will serve as an interdisciplinary platform for researchers and engineering experts to promote synergistic collaboration on innovative and widely applicable engineering soil reclamation strategies. In addition, it will also provide a valuable opportunity for young researchers and scholars at home and abroad to expand their research ideas and improve their professional skills by engaging in farmland upgrading projects.

# Format

Oral presentations and panel discussions.

# Proposed Speakers

Pending……