

**2022 Belt and Road International Student Competition on
Digital Architectural Design Report**
by Jiang Jie, BUCEA

With the aim to promote the academic and cultural exchanges among university students from various countries, and to cultivate the scientific and technological innovation spirit and practical abilities of university students, Beijing University of Civil Engineering and Architecture (BUCEA) organized the 2022 Belt and Road International Student Competition on Digital Architectural Design.

The competition was co-organized by China Soong Ching Ling Foundation, China Silk Road Group Ltd. and Beijing International Peace Culture Foundation, and supported by United Nations Educational, Scientific and Cultural Organization (UNESCO), G-global International Secretariat, International Society for Photogrammetry and Remote Sensing (ISPRS), Silk Road International Foundation, Beijing Peace Garden Museum, and China Railway Design Corporation.



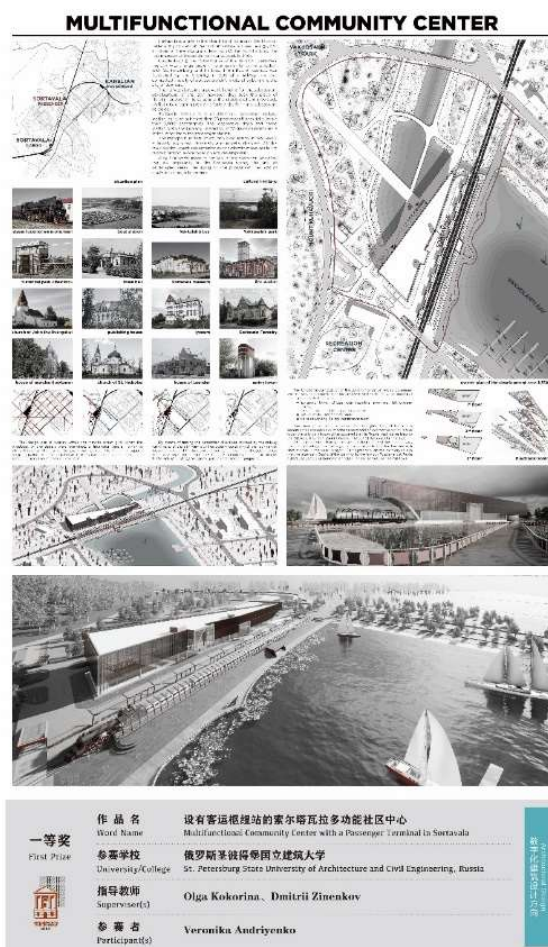
With the theme “**Railway: A New Bond Along the Silk Road**”, the Competition was devoted to cultivating students’ digitalization-based thinking that explores how to preserve the historical features of railways and cities, improve overall quality, and achieve sustainable development along the Silk Road. Urban renewal, architectural heritage protection, environmental monitoring, and other topics related to the railways are included in the Competition. Participants were encouraged to use computer-assisted technology, virtual reality, digital twins, geographic information system, remote sensing technology, and other new technologies to contribute works under three topics: Architectural Design, Structural Design and Scene Modelling and

Visualization.

The competition attracted more than 100 submissions from 650 teachers and students from 45 universities in 11 countries. A total of 24 experts from 10 countries formed the jury. After carefully reviewing, one 1st prize, two 2nd prizes, and seven 3rd prizes were selected for each topic. Certification, prize money and medals were presented in the on-line ceremony, held on 11 November 2022.

The competition has been organized annually since 2017. The organizers are very pleased that the number of participants and the quality of works have continuously improved, and thank all participants for their dedicated input.

The 1st prize winners for each category are:



The 1st prize for Architectural Design,
by St. Petersburg State University of Architecture
and Civil Engineering, Russia



The 1st prize for Structural Design,
by Anhui Jianzhu University, China

「区域分析」

项目位于中非铁路... 建筑风格... 文化特色...

「作品介绍」

本项目以“凤凰”为灵感... 建筑形式... 文化内涵...

「结构分析」

建筑平面... 剖面图... 结构体系...

「功能分区」

功能分区图... 建筑布局...

「剖面分析」

剖面图... 建筑高度... 空间组织...

图例

- 建筑主体
- 交通组织
- 景观绿化
- 公共空间
- 步行系统
- 地下空间

一等奖
First Prize

作品名
Word Name: 中非铁路上的“雀舞之翎”
"Dancing Phoenix" on China-Laos Railway - Xihuangkanu Station

参赛学校
University/College: 北京建筑大学
Beijing University of Civil Engineering and Architecture, China

指导教师
Supervisor(s): 王四利、郭明
WANG Guli, GUO Ming

参赛者
Participant(s): 付泽昕、梁轩硕、付思源、金超、黄圣林
FU Zhexin, LIANG Xuanshuo, FU Siyuan, JIN Lixiao, HUANG Shenglin

The 1st prize for Scene Modelling and Visualization,
by BUCEA, China