

# Quantum City: Spatiotemporal Innovation and Creativity

## 2025 UPC-TJ Summer School

June 23th - July 6th  
Shanghai, Fuxing Island

### Aim

Shanghai today is attracting talents from around the globe, calling for ideas, proposals and solutions to build a spatiotemporal digital twin system, comprehensively enhance the urban spatiotemporal intelligent governance capabilities, and support the application requirements of various vertical industries.

Fuxing Island is one of the most important undeveloped urban area looking for plan and design to create a quantum city focusing on the functional positioning of the "Digital Island, Design Island, and People's Island", with the theme of "Smart Digital Empowerment, Artistic Creative Design, and People - centered City Construction", we are launching an extensive creative solicitation campaign. It is targeted at teams or individuals in the fields of global planning, architecture, landscape, art, digital intelligence, business planning, etc. together, we aim to come up with more "brilliant ideas" for the revitalization of Fuxing Island in terms of vitality, function renewal, quality improvement, and digital - intelligent innovation.



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## Participants

University students in related fields such as planning, architecture, landscape, art, digital intelligence, and business planning can participate as individuals or teams (multi - disciplinary teams are encouraged). There is no limit to the number of team members.

## Task One: Fuxing Digital Island

Transform Fuxing Island into a "Digital Island" where the virtual and the real co - exist, online and offline activities are integrated, and all things are interconnected and responsive, promoting the digital transformation and intelligent development of the island.

Ask for students from AI, Telecommunications, Computer Science, Software Science, Mathematics, Surveying and Mapping

## Task Two: Fuxing Design Island

Leverage the landscape advantages of the riverside and waterfront areas of Fuxing Island to explore the forms and approaches of opening up the island - encircling waterfront shorelines and the two banks of the canal. You can also select important spatial nodes to design flexible, beautiful, and environmentally - harmonious plans, implant diverse functions, and stimulate the vitality of the area. The design of the slow - moving network should be combined with waterfront shorelines, green parks, public buildings, etc., and incorporate ecological landscapes to enhance the slow - moving experience. The ecological landscape design should be guided by ecological protection and restoration and the construction of sponge cities, improve ecological resilience, and create a model of ecological security.

Ask for students from Planning, Architecture, Landscape, Civil Engineering



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## Task Three: Fuxing People's Island

Carry out the solicitation of people's suggestions around the functional reshaping and waterfront rejuvenation of Fuxing Island, and form various creative planning schemes. The content includes but is not limited to:

Creative planning for function activation: such as the design of the island's exclusive IP brand, visual design of tour routes, planning of literary and artistic performances, planning of creative works exhibitions, business operation planning, sports event planning, tourism program planning, etc.

Ask for students from Design, Management, Public Relations, Finance

## Schedule:

**June 23: Arrival**

**June 24: Shanghai city tour**

**June 25 - June 28: on-site workshop**

**June 29: Hangzhou digital city tour**

**June 30 - July 3: on-site workshop**

**July 4: Final presentation**

**July 5: Suzhou garden tour**

**July 6: Departure**



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