

Year: 2019

Location: Taiwan

Program: Museum

National Museum of Modern Art Tainan



This art museum explores a building typology in which the art museum and the activities in the park are not separate, but rather an integrated whole, making it possible to go freely out into the park from within the museum, or vice-versa, while park visitors may arbitrarily enter and enjoy the museum. Galleries of various sizes are shifted and stacked atop one another, creating rooftops that become an interconnected park and sculpture garden, while the entrances of the museum are located in the spaces between the individual galleries. As Tainan has strong sunlight throughout the year, together with Professor Satoshi Sakai of Kyoto University we developed a large fractal roof in order to create shading for the entire building. Inspired by the symbolic flower of Tainan City, the pentagonal fractal roof generates airflow and has been shown through simulations to improve cooling efficiency by 15%.