

<i>Session Title</i>	AI models and big data construction and applications for flood control and disaster reduction
<i>Session Description</i>	With the significant improvement of computing power and the rapid development of artificial intelligence technology, large models have become key tools for solving complex system problems, providing efficient support for scientific research and engineering technology. The session analyzes the key technologies of large models in water conservancy from three aspects: physical mechanism models and algorithms, AI learning frameworks, big data processing and analysis, and proposes an implementation path for large models in water conservancy.