



## Application Form for WFC Scientific Committee

### **Personal Info.**

Name: Wentao Yan

Title: Assistant Professor

Affiliation: National University of Singapore



### **Research Interest**

Additive Manufacturing, Multi-scale Modeling, Computational Mechanics

### **Main Achievements (<200 words)**

Dr. Wentao Yan has been an assistant professor in the Department of Mechanical Engineering, National University of Singapore (NUS) since 2018. Supported by multi-million dollar grants, his research group with 20+ students focus on multi-scale multi-physics modeling, experimental investigation and data analysis of additive manufacturing to understand the process, structure and property relationships. His team is the biggest winner in the 2022 NIST AM-Bench Simulation Challenges by winning 9 awards in the total 25 tests (totally 40 awards were presented). He has published more than 100 papers on flagship journals, such as Nature Communications, Acta Materialia, JMPS and CMAME, and has delivered more than 80 invited talks on international conferences and prestigious universities. 20 of his former students have got faculty positions, including all the 10 former postdocs. Before joining NUS, Dr. Yan was a postdoctoral fellow at Northwestern University and also a guest researcher at the National Institute of Standards and Technology in the USA. He received his Ph.D. degree jointly at Tsinghua University, Beijing and Northwestern University, USA. He got his Bachelor degree from the Department of Mechanical Engineering, Tsinghua University, Beijing in 2012.