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Dr Yuning Duan received his Ph.D. in thermal energy from Tsinghua University, Beijing, China, in 2001. He was Deputy Director of NIM, Beijing, where he is also the Secretary of the Party Committee of NIM, the Deputy Director of the National Time and Frequency Measurement Center, and the Deputy Director of the National Research Center for Certified Reference Materials (NRCCRM). Dr Duan has a deep experience in metrology studies and strategic research. Dr Duan published dozens of academic papers and was main contributor of many scientific projects at international level.

Dr Duan was elected at the International Committee for Weights and Measures (CIPM) in March 2010 and served as CIPM member until 2023. In 2012, he has been elected as President of the Consultative Committee for Thermometry (CCT). He served as CCT President from 2012 to 2024.

He was awarded many prizes. In 2003, he won the 8th China Youth Science and Technology Award. In 2006, he was selected as a National Candidate for the New Century Talent Project. He won first and second prize of the National Science and Technology Progress Award, and two second prizes for scientific and technological progress at the ministerial level.