

## Special Issue

# Low Temperature Physics, Pioneer of Chinese Low Temperature Physics and Cryogenics—In Memory of Prof. Dr. Chaosheng Hong (C.S. Hung)

### Message from the Guest Editors

This Special Issue is dedicated to the memory of our colleague and friend Prof. Dr. Chaosheng Hong (C.S. Hung), who was born in 1920 and passed away in 2018. He obtained his PhD from the MIT in 1948 and then worked at Purdue University and at Kamerlingh Onnes Laboratory. He measured the anomalous resistivity and Hall effect of impure semiconductors (germanium) at low temperature in 1950 and published the meaningful paper “Resistivity and Hall effect of germanium at low temperatures” in 1954, in which he proposed the phenomenological model of electronic conduction via the impurity states in the forbidden band. Since 1951, he founded the first cryogenic laboratory in China and became a pioneer of low temperature physics and cryogenics. Prof. Dr. Hong has given fundamental contributions to low temperature physics, applied superconductivity, space technology, gas industry, cryogenic materials, and cryobiology. Prof. Dr. Hong was recognized with a number of awards, such as being awarded the Academician in the Chinese Academy of Sciences (1980), the Mendelssohn Award (2000), and the Samuel. C. Collins Award (2011).

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### Guest Editors

Prof. Dr. Laifeng Li  
Prof. Dr. Chuanjun Huang  
Dr. Feng Feng

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### Deadline for manuscript submissions

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