



Curriculum Vitae Tetsuya BABA

Present affiliation:
National Institute for Materials Research, Japan

Biography

- 1970 Entered the University of Tokyo,
1974 Graduated from the University of Tokyo
1979 Received doctor of science degree from the University of Tokyo"
1979 Worked at the Institute of Physical and Chemical Research, Japan (RIKEN) and engaged in "Ultra fast spectroscopy of ionic crystals"
1980 Joined National Research Laboratory of Metrology (NRLM), Japan,.
2001 NRLM was reorganized to National Metrology Institute of Japan (NMIJ) in National Institute of Advanced Industrial Science and Technology (AIST),
Appointed to the chief of the thermophysical properties section
2007 Appointed to the prime senior researcher of NMIJ/AIST
2012 Retired from AIST
2012 - 2017 Working as an invited senior researcher of NMIJ/AIST
Since 2014 Working as an invited/special researcher of NIMS
1986 - 1988 Visiting Scientist at National Bureau of Standards, USA,.
2005 – 2014 Served as the Chairman of Working Group 9, Thermophysical Quantities, Consultative Committee for Thermometry, International Bureau of Weight and Measures (BIPM)
2011 Served as the president of the Japan Society of Thermophysical Property

Research works

Dr. Baba developed a technology to produce traceable thermal diffusivity data of dense bulk materials, thin films and boundary thermal resistance by pulsed light heating methods, namely, laser flash methods and ultrafast laser flash methods.

Awards

- Thermal Conductivity Award at 25th International Thermal Conductivity Conference, Ann Arbor, Michigan, USA (1999),
- The 3^{2nd} Ichimura Award for distinguished accomplishment in science, Japan (2000).
- Prize for Science and Technology by Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan (2005).
- Significant Contribution Award at the 10th Asian Thermophysical Properties Conference (2013).