



Kunio Kawagoe Gold Medal for Outstanding Lifelong Contributions to Fire Safety Science



Professor Kunio Kawagoe

The picture taken by Dr Philip Thomas; it captures well Professor Kawagoe's character.

Award eligibility and its privileges

Kunio Kawagoe Gold Medal is awarded by IAFSS as a prestigious recognition of life-long contributions to and career achievements in fire science and engineering. The Award comprises Bronze Medal of gold appearance and Plaque. It entitles the recipient to free travel to and free registration at the Symposium, where the Award is formally announced and presented.

Nomination process

Please send nominations, including a justification (up to two pages in length), and contact details of the proposer and the seconder, to Dr Craig Beyler, CBEYLER@haifire.com, by **7 January 2014, 5 pm, Baltimore time**. Either the proposer or the seconder must be a member of IAFSS. Self-nominations will not be accepted. A nominee may or may not be a member of IAFSS. Each nomination is confidential and should not be disclosed to a nominee.

Selection considerations

The past recipients of the Kunio Kawagoe Gold Medal made significant and lasting contributions to fire science and engineering through innovation and impact of their publications. Their research findings frequently led to paradigm shifts in fire regulations, in fire standards and in practical applications of fire safety science and engineering around the world. Some trained research students and young fire safety engineers, produced important

textbooks and monographs and often dedicated themselves to fire safety education. They were active in international fire safety community.

Selection body

The recipient of the Award will be selected by the IAFSS Awards Committee that consists of Mr Dieter Brein (Chair, The Karlsruhe Institute of Technology, Germany), Dr Craig Beyler (Hughes Associates, USA), Professor Michael Delichatsios (The University of Ulster, UK), Dr Michael Spearpoint (The University of Canterbury, New Zealand) and Professor Takeyoshi Tanaka (Kyoto University, Japan)

Professor Kunio Kawagoe

Professor Kunio Kawagoe pioneered the development and use of scientifically based fire analysis, developing the relationship between the compartment burning rate and the size of an opening ($R_b = 5.5 \cdot A \cdot h^{0.5}$), in a seminal paper on compartment fire modelling published in 1958. His contributions, especially on fuel-controlled compartment fires and the structural analysis of the fire induced effects in columns and beams, laid foundation to modern fire science and engineering, and underpinned the early development of performance-based fire safety design, especially in Japan. Professor Kawagoe was the Director of the Building Research Institute between 1969 and 1973, when he was appointed Professor in the Faculty of Science and Engineering at the Science University of Tokyo. His career included appointments of the Deanship of the Faculty at the Science University of Tokyo in 1980 and, in 1986, the Directorship of the Centre for Fire Science and Technology. He served as an IAFSS Vice-Chairman from its founding in 1985 until 1991. Professor Kawagoe was a role model and dedicated teacher of young fire safety engineers. He passed away in 1994. (Extracted from T Ishii, *Fire Science and Technology* **14**, 1994, pp i-ii, and from In Memoriam, *Proceedings 5th Fire Safety Symposium*, 1997, p vii.)

Past recipients

The Medal was first awarded at the 4th IAFSS Symposium in Ottawa in 1994. Its past recipients include

Dr Alexander Robertson (1994, 4th Symposium, Ottawa)
Dr Philip Thomas (1997, 5th Symposium, Melbourne)
Mr Harold “Bud” Nelson (1999, 6th Symposium, Poitiers)
Professor Dougal Drysdale (2002, 7th Symposium, Worcester)
Professor Sizuo Yokoi (2005, 8th Symposium, Beijing)
Professor Geoffrey Cox (2008, 9th Symposium, Karlsruhe)
Professor James Quintiere (2011, 10th Symposium, College Park)