



Kari Rissanen

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Kari Rissanen got his Ph.D. degree at the University of Jyväskylä in 1990. The Ph.D. work focused on solid-state structural chemistry of small organic molecules. The Ph.D. thesis work was followed within several positions funded from the Academy of Finland (1988- >). Since then he has pioneered the research in Supramolecular Chemistry in Finland and is one of the world-leading experts in Supramolecular Crystallography, weak intermolecular interactions, especially halogen bonding and anion- π interactions, and new methodologies in crystallography. His research has focused on a multitude of chemical systems, but in all studies the governing feature has been the understanding of the interactions involved in the recognition and self-assembly phenomena, and subsequent design and synthesis of functional host and sensor molecules based on this knowledge. The detailed structural studies form the solid basis for the understanding and utilization of weak non-covalent, viz. the supramolecular interactions occurring in recognition and self-assembly events, visualized in the solid state by single crystal X-ray diffraction and solid-state NMR, in solution by NMR and in gas phase by mass spectrometry. Prof. Rissanen is the first chemist in the history of the Academy of Finland to be nominated twice as the Academy Professor (1st term 2008-2012, 2nd 2013-2017), the highest-ranking academic position available in Finland. Recently (Nov 2017) he got the prestigious Humboldt Research Award and was awarded Doctor Honoris Causa from the Tallinn Technical University, Estonia (Sep 2018). Rissanen has a very strong record of scientific and administrative leadership. Internationally most well-known are the Rissanen's very versatile scientific works, reported in more than 710 publications in peer-reviewed journals with many in high-impact journals, including 1 Nature, 3 Science, 2 Nat. Chem., 2 Nat. Rev. Chem., 2 Chem, 1 Nat. Comm., 23 J. Am. Chem. Soc., 40 Angew. Chem., 1 PNAS, 13 Chem. Sci, 48 Chem. Commun. Rissanen is the only Finnish researcher, outside clinical medicine, with three research publications in Science or Nature in 2009 and 2010. Rissanen's publications have a steep increase in citations, reaching at present over 2000/year.