

2019 Kirkman Medal awarded to Tao Zhang

Dr. Tao Zhang has made deep contributions to lattice tilings and their applications, algebraic coding theory, and design theory. His notable research achievements include a significant advance on the Golomb-Welch conjecture on lattice tilings, and the construction of new classes of quantum error-correcting codes with large minimum distance.

Dr. Zhang's research has resulted in more than twenty published papers in top-ranked discrete mathematics and electrical engineering journals. He has given ten conference and workshop talks, including a plenary address and an invited talk. The excellence of his doctoral dissertation was recognized with awards from Zhejiang University and Zhejiang Province. His nominators describe him as "a very original, passionate, and hard-working researcher," and attest that "the depth and breadth of Tao Zhang's research are very impressive."