

2011 Kirkman Medal awarded to Tao Feng (of Zhejiang University)

Tao Feng's research is in algebraic combinatorics, design theory, coding theory, and finite geometry. He had published 15 journal papers. Particularly noteworthy are his construction of the first new family of cyclotomic difference sets since 1956, and his major contributions to the proof of Helleseth's 1976 conjecture of the cross-correlation values of m -sequences. His nominators describe "a very original, passionate and hard-working researcher" who "excels in using deep algebraic and number theoretic methods to study combinatorial objects with symmetries".