中国科学技术大学马杰教授和山东大学上官冲教授分别获国际组合数学及其应用协会 Hall 奖与 Kirkman 奖

2021 年 3 月，国际组合数学及其应用协会（Institute of Combinatorics and its Applications，以下简称 ICA）公布了该协会 2020 年度的各奖项（详情见链接 http://www.the-ica.org/medals.php）。中国科学技术大学马杰教授荣获 2020 年度 Hall 奖，山东大学上官冲教授荣获 2020 年度 Kirkman 奖。

ICA 协会成立于 1990 年。该组织每年颁发 Euler 奖、Hall 奖和 Kirkman 奖三种奖项，其中 Euler 奖是终身成就奖，Hall 奖和 Kirkman 奖分别授予博士毕业未达到十九年和四年的杰出青年学者。2016 年起又设立了 Stanton 奖，是面向 ICA 成员的终身教育成就奖。

马杰教授就职于中国科学技术大学数学科学学院，主要从事组合图论领域的研究工作及其在理论计算机和信息科学中的应用。曾入选海外高层次人才引进计划青年项目、基金委优秀青年科学基金项目，获中国工业与应用数学学会应用数学青年科技奖、教育部霍英东基金高等院校青年教师奖，现担任美国工业与应用数学学会杂志《SIAM Journal on Discrete Mathematics》编委。因其在极值概率图论和结构图论所取得的杰出成果，马杰教授获得了 2020 年度 Hall 奖。

上官冲教授就职于山东大学数学与交叉科学研究中心，主要研究兴趣包括极值组合、概率组合、组合数学中的多项式方法与线性代数方法以及编码理论。因其在极值组合和编码密码所取得的突出成果，上官冲教授获得了 2020 年度 Kirkman 奖。

以下是 ICA 协会给两位教授的颁奖词：

2020 Hall Medal awarded to Jie Ma
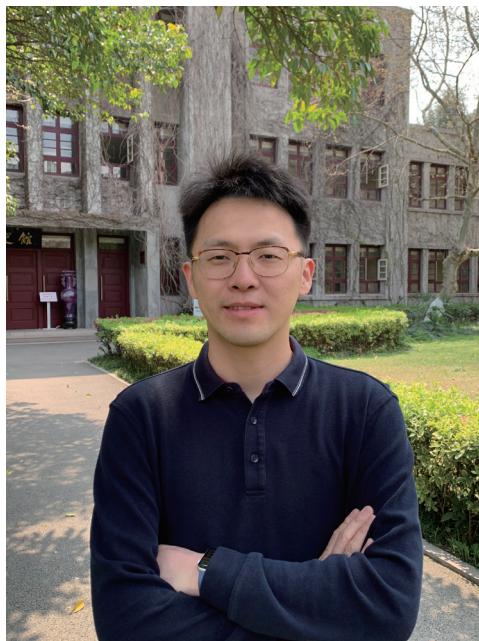
Jie Ma has made outstanding contributions in the fields of extremal and probabilistic combinatorics, and structural graph theory. He obtained several important results in the study of hypergraph Turan numbers, and proved several conjectures on the distribution of cycle lengths in graphs. He solved, or asymptotically solved, several open problems by Bollobas and Scott on judicial partitions of graphs and hypergraphs, which is a "very strong, impressive record". Using "sophisticated arguments and novel tools", he has made breakthroughs on several other difficult, longstanding problems of structural and extremal flavour.

Dr. Ma has published over thirty papers in the most prestigious combinatorial journals. He is a frequent speaker at national and international conferences, and a member of recognized editorial boards.

2020 Kirkman Medal award to Chong Shangguan

Chong Shangguan has made deep contributions to extremal combinatorics and combinatorial coding theory. His notable research achievements include an original and elegant proof regarding the combinatorial list-decodability of Reed-Solomon codes, significant progress on two well-known and difficult conjectures on the Turan number of sparse hypergraphs, and the resolution of several conjectures and open problems on perfect hash and separating hash families.

Dr. Shangguan's research has resulted in 16 published papers, most of which appeared in the very best journals or conference proceedings in the fields of combinatorics, coding theory, and theoretical computer science. A striking feature of his research is the broad range from theory to applications, where tools from extremal combinatorics, additive combinatorics, probabilistic combinatorics, and the polynomial method are involved.