

Linfan Mao PhD Won the Albert Nelson Marquis Lifetime Achievement Award

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The president of *Academy of Mathematical Combinatorics with Applications* (AMCA), Linfan Mao PhD won the Albert Nelson Marquis Lifetime Achievement Award and has been endorsed by Marquis Who's Who as a leader in the fields of mathematics and engineering, which was acknowledged by the notification of Marquis Who's Who to Dr.Mao in June 26, 2017 and then the released in September 30, 2017.

Marquis Who's Who is the world's premier publisher of biographical profiles since 1899 when A.N.Marquis printed the First Edition of Who's Who in America, which has chronicled the lives of the most accomplished individuals and innovators from every significant field of endeavor, including politics, business, medicine, law, education, art, religion and entertainment. Today, Marquis Who's Who remains an essential biographical source for thousands of researchers, journalists, librarians and executive search firms around the world.

Dr.Mao was born in December 31, 1962, a worker's family of China. After graduating from Wanyuan school, a middle school in the southwestern mountainous area of China, Dr.Mao began working as a scaffold erector in *China Construction Second Engineering Bureau, First Company* in 1981, while in the pursuit of his doctorate degree. He was then appointed to serve as a technician, technical adviser, director of construction management department, and then finally, the general engineer in construction project, respectively. He obtained an undergraduate diploma in applied mathematics and Bachelor of Science of *Peking University* in 1995. After then, he attended postgraduate courses in graph theory, combinational mathematics, and other areas. Dr.Mao completed a PhD with a doctoral dissertation "*A Census of Maps on Surface with Given Underlying Graph*" under the supervisor of Prof.Yanpei Liu at *Northern Jiaotong University* in 2002, and conducted postdoctoral research on automorphism groups of maps and surfaces at the *Chinese Academy of Mathematics and System*



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Science, finished his postdoctoral report “*On Automorphism Groups of Maps, Surfaces and Smarandache Geometries*” with co-advisor Prof.Feng Tian from 2003 to 2005.

In his postdoctoral report, Dr.Mao pointed out that the motivation for developing mathematics for understanding the reality of things is a combinatorial notion, i.e., *mathematical combinatorics* on Smarandache multispaces, i.e., establishing an envelope mathematical theory by combining different branches of classical mathematics into a union one such that the classical branch is its special or local case, or determining the combinatorial structure of



classical mathematics and then extending classical mathematics under a given combinatorial structure, characterizing and finding its invariants today, which is in fact the global mathematics for hold on the behavior of complex systems such as those of interaction system, biological system or the adaptable system. Generally, a thing is complex and hybrid with other things but the understanding of human beings is limitation, which results in the difficult to hold on

the true face of things in the world. However, there always exist universal connection between things. By this philosophical principle, Dr.Mao has found a natural road from combinatorics to topology, topology to geometry, and then from geometry to theoretical physics and other sciences, i.e., his combinatorial notion, or *Mathematical Combinatorics*.

Dr.Mao's combinatorial notion on things in the world was praised by many mathematicians in the world. For example, Prof.L.Lovasz, the chairman of *International Mathematical Union* (IMU) appraise it “*an interesting paper*”, and said “*I agree that combinatorics, or rather the interface of combinatorics with classical mathematics, is a major theme today and in the near future*” in 2007, and Prof.F.Smarandache of University of New Mexico presented a paper *Mathematics for Everything with Combinatorics on Nature – A Report on the Promoter Dr.Linfan Mao* in 2016.

As a corresponding member of the Chinese Academy of Mathematics and Systems, Dr.Mao is a mathematician, also a consultant with nearly 35 years of experience and research in applied mathematics and engineering. His main interests is mainly on mathematical combinatorics and Smarandache multi-spaces with applications to sciences, research fields including combinatorics, graph theory, algebra, topology, geometry,



differential equations, complex network, biological mathematics, theoretical physics, parallel universe, purchasing and circular economy. Now, he has published 9 books and more than 80 research papers on mathematics and engineering management for the guidance of young teachers and post-graduate students.

Dr.Mao's work on Florentin Smarandache's notion, particularly, the Smarandache multispaces applies mathematics to the understanding of natural phenomena. For example, *Automorphism Groups of Maps, Surfaces and Smarandache Geometries, Combinatorial Geometry with Applications to Field Theory* and *Smarandache Multi-Space Theory*, 3 books on mathematics with applications in 2011, *The Foundation of Bidding Theory* and *The Provisions of Clauses of the Law on Tendering and Bidding of P.R.China with Cases Analysis* in 2013, and famous papers, such as those of *Combinatorial Speculation and Combinatorial Conjecture for Mathematics, Mathematics on Non-mathematics* on *International J.Mathematical Combinatorics* respectively in 2007 and 2014, and *Mathematics with Natural Reality – Action Flows* on *Bulletin of Calcutta Mathematical Society* in 2015, an established journal of more than 100 years.

Dr.Mao currently serves also as the vice president of the China Academy of Urban Governance, the chief advisor of China Purchasing Association, the editor-in-chief of the *International Journal of Mathematical Combinatorics*, and the editor of *Mathematical Combinatorics*, an international book series since 2008 and also an honorary member of the Neutrosophic Science International Associations since 2015. He was included in *Who's Who in Science and Engineering* and *Who's Who in the World* beginning in 2006.

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The Marquis Who's Who announced in September 30, 2017: "*an accomplished listee, Dr.Mao celebrates many years' experience in his professional network, and has been noted for achievements, leadership qualities, and the credentials and successes he has accrued in his field*"

and also "*In recognition of outstanding contributions to his profession and the Marquis Who's Who community, Linfan Mao, PhD, has been featured on the Albert Nelson Marquis Lifetime Achievement*".