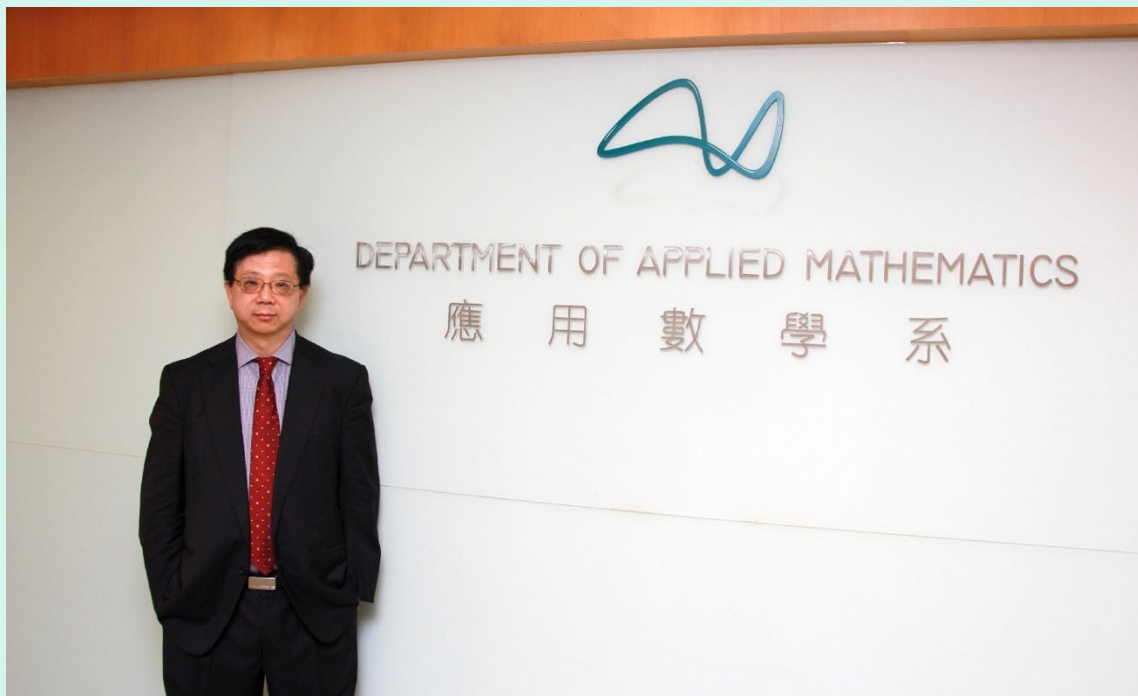


Professor Defeng Sun, Head of Department of Applied Mathematics Conferred SIAM Fellowship 2020



Professor Defeng Sun, Chair Professor and Head of the Department of Applied Mathematics at PolyU is named 2020 Fellow of the Society of Industrial and Applied Mathematics (SIAM) in recognition of his contributions to algorithms and software for conic optimization, particularly matrix optimization.

Focusing on research of the development of efficient optimization algorithms for solving large-scale complex optimization problems, statistical regression models and machine learning problems, Professor Sun devised a world-recognized second-order sparsity solution that renders data with more precision and depth than traditional methods, efficiently separating useful data from useless data and uncovering minute information on a large scale. This solution is the first of its kind and is beneficial across all industries and research fields, revolutionizing the way of leveraging data and making prediction on behaviour on the information highway.

Professor Sun also serves as an Associate Editor of SIAM Journal on Optimization, Mathematical Programming, Journal of the Operations Research Society of China, and Journal of Computational Mathematics and Science China Mathematics. He has been an Advisory Committee Member of Asia-Pacific Journal of Operational Research since 2014, and is invited as a plenary speaker at the SIAM Conference on Computational Science and Engineering (CSE21) to be held in 2021.

Awarded with the prestigious triennial Beale--Orchard-Hays Prize for Excellence in Computational Mathematical Programming 2018 by the Mathematical Optimization Society, Professor Sun's distinguished research work and contribution are once again acknowledged through the SIAM Fellowship.

About SIAM and SIAM Fellows Program

Society for Industrial and Applied Mathematics (SIAM) is an international community of over 14,000 individual members. Almost 500 academic, manufacturing, research and development, service and consulting organizations, government, and military organizations worldwide are institutional members. SIAM was incorporated in 1952 as a nonprofit organization to convey useful mathematical knowledge to other professionals who could implement mathematical theory for practical, industrial, or scientific use.

The SIAM Fellowship recognizes members who have made outstanding contributions to fields served by its community. Through their contributions, SIAM Fellows help advance the fields of applied mathematics and computational science. SIAM Fellow is an honorific title for life, and all Fellows will be listed on the SIAM website.

For the full list of 2020 SIAM Fellow Class, please visit
<https://sinews.siam.org/Details-Page/siam-announces-class-of-2020-fellows>

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