**Yuji Sato**于1981年在日本东京大学获得工程学士学位。从1981年到2000年，他在日本东京的日立公司工作，参与了双极CMOS门阵列、逻辑结构可重构LSI和神经计算机等的开发，并申请了数十项专利。1997年，他从东京大学获得工程学博士学位。2000年4月，他加入日本法政大学计算机与信息科学部，担任副教授，并于2001年4月成为教授，从2016年4月到2018年3月担任计算机与信息科学研究生院院长。从2007年到2008年，他是伊利诺伊遗传算法实验室（IlliGAL）的访问学者。在法政大学，他参与本科生和研究生的教育和研究，迄今为止指导了四名博士生，并发表了37篇期刊论文（包括18篇SCI期刊论文）和100多篇经同行评审的国际会议论文（主要是ACM/SIGEVO GECCO、IEEE CEC、IEEE SMC、IJCNN等）。他目前的研究领域包括在多核架构上的进化计算以及在设计中的机器学习技术的进化。他获得了2015年IJICC高度评价论文奖。他是IEEE的高级会员、ACM/SIGEVO、日本进化计算学会和日本信息处理学会的会员。他还是GECCO的程序委员会成员、自1999年以来CEC的论文审稿人，以及2020年到2022年复杂与智能系统编辑委员会成员。IEEE CEC特别会议联合组织者（2013、2015、2018、2019、2024年）。2009年IEEE计算智能与游戏研讨会程序委员会成员。2008年IEEE进化计算大会海报会议联席主席，第一届国际赛博世界研讨会（CW2002）程序委员会联席主席等。

Publication:

1. Jia Guo, Guoyuan Zhou, Yan Ke, **Yuji Sato**, Yi Di, “Pair barracuda swarm optimization algorithm a natural-inspired metaheuristic method for high dimensional optimization problems”, Scientific Reports 13, Article number: 18314 (2023), October 25, pp. 1-21 (On-line) (2023). DOI: 10.1038/s41598-023-43748-w

2. Jia Guo, Guoyuan Zhou, Yi Di, Binghua Shi, Ke Yan, **Yuji Sato**, “A Bare-bones Particle Swarm Optimization with Crossed Memory for Global Optimization”, IEEE Access, Vol. 11, Electronic ISSN: 2169-3536, February 28, pp. 31549 - 31568 (2023). DOI: 10.1109/ACCESS.2023.3250228

3. **Yuji Sato**, Mikiko Sato, “Using Dominated Solutions at Edges to the Diversity and the Uniformity of Nondominated Solution Distributions in NSGA-II”, SN Computer Science, 3/6, Article number: 432, pp. 1-21 (On-line) (2022). DOI: 10.1007/s42979-022-01303-w

4. Mads Midtlyng, **Yuji Sato**, Hiroshi Hosobe, “Voice Adaptation by Color-encoded Frame Matching as a Multi-objective Optimization Problem for Future Games”, Complex & Intelligent Systems, Volume 8, issue 2, April 2022, pp. 1539-1550 (2022). DOI: 10.1007/s40747-021-00604-6

5. Daphne T. C. Lai, **Yuji Sato**, “An Empirical Study of Cluster-based MOEA/D Bare Bones PSO for Data Clustering”, Algorithms (Special Issue in Nature Inspired Clustering Algorithms), 14/ 11, pp. 1-20 (2021).

6. Rong Wang, Shaoying Liu, **Yuji Sato**, “SIT-SE: A Specification-based Incremental Testing Method with Symbolic Execution”, IEEE Transactions on Reliability, 70/ 3, pp. 1053-1070 (2021).

7. Rong Wang, **Yuji Sato**, Shaoying Liu, “Mutated Specification-Based Test Data Generation with a Genetic Algorithm”, Mathematics (the Special Issue Mathematics in Software Reliability and Quality Assurance), 9/ 4, pp. 331.1-331.19 (2021).

8. Daphne T. C. Lai, Minami Miyakawa, **Yuji Sato**, “Semi-supervised data clustering using particle swarm optimisation”, Soft Computing, 24(5), pp. 3499-3510 (2020).

9. Jia Guo, **Yuji Sato**, “A fission-fusion hybrid bare bones particle swarm optimization algorithm for single-objective optimization problems”, Applied Intelligence, 49(10), pp. 3641-3651 (2019).

10. Mikiko Sato, Minami Miyakawa, Hiroyuki Sato, **Yuji Sato**, “Evaluation of Simultaneously Optimizing Multiple Models in Vehicle Design using Distributed NSGA-II Sharing Extreme Non-dominated Solutions”, International journal of mathematical models and methods in applied sciences, Vol. 12, pp. 227-235 (2018).

11. Jia Guo, **Yuji Sato**, “A Pair-wise Bare Bones Particle Swarm Optimization Algorithm for Nonlinear Functions”, International Journal of Networked and Distributed Computing, Vol. 5/ Issue 3, pp. 143-151 (2017).

12. Shiqin Yang, **Yuji Sato**, “Swarm Intelligence Algorithm Based on Competitive Predators with Dynamic Virtual Teams”, Journal of Artificial Intelligence and Soft Computing Research, Vol. 7, Issue 2, pp. 87-102 (2017).

13. Shiqin Yang, **Yuji Sato**, “Dynamic Heterogeneous Particle Swarm Optimization”, IEICE TRANS. INF. & SYST., Vol. E100-D/ No. 2, pp. 247-255 (2017).

14. **Yuji Sato**, Mikiko Sato, “Parallelization and Sustainability of Distributed Genetic Algorithms on Many-core Processors”, Int. Journal of Intelligent Computing and Cybernetics, 7(1), pp. 2-23 (2014).

15. **Yuji Sato**, Naohiro Hasegawa, Mikiko Sato, “Acceleration of Genetic Algorithms for Sudoku Solution on Many-core Processors”, Massively Parallel Evolutionary Computation on GPGPUs (Natural Computing Series), S. Tsutsui and P. Collet (Eds.), Springer, pp. 421-444 (2014). DOI: 10.1109/CEC55065.2022.9870272

16. **Yuji Sato**, Hazuki Inoue, Mikiko Sato, “Parallelization of Genetic Operations that Takes Building-Block Linkage into Account”, Int'l J. Artificial Life and Robotics, 17/ 1, 17-23 (2012).

17. **Yuji Sato**, “Voice Quality Conversion Using Interactive Evolution of Prosodic Control”, Applied Soft Computing, 5/ 2, pp. 181-192 (2005).

18. **Yuji Sato**, Tatsumi Furuya, “Coevolution in recurrent neural networks using genetic algorithm”, Systems and Computers in Japan, 27/ 5, pp. 64-73 (1996).

19. Marius Hancu, Kazuhiko Iwasaki, **Yuji Sato**, Mamoru Sugie, “A Concurrent Test Architecture for Massively Parallel Computers and Its Error Detection Capability”, IEEE Trans. on Parallel and Distributed Systems, 5/ 11, pp. 1169-1184 (1994).

20. Marius Hancu, Kazuhiko Iwasaki, **Yuji Sato**, Mamoru Sugie, “Experimental results on the error detection capability of a concurrent test architecture for massively-parallel computers”, Parallel Computing 18, pp. 1079-1103 (1992).