

## Biographical Sketch

Zhi Wei is a Distinguished Professor of Computer Science and Statistics (joint appointment) at the New Jersey Institute of Technology. He also serves as an Adjunct Professor at the University of Pennsylvania Perelman School of Medicine and the Wistar Institute Cancer Center. His research spans artificial intelligence, machine learning, representation learning, and data-driven systems, with an emphasis on developing principled computational and statistical frameworks for complex, high-dimensional data arising in scientific and engineering domains.

Professor Wei's contributions, spanning both foundational methodology and impactful applications, have received broad national and international recognition. His interdisciplinary background in computer science and statistics uniquely positions him to design efficient algorithms and advanced learning models that address challenging problems in modern AI and data science. He has published extensively in leading machine learning and data mining venues, including *Nature Methods*, *Nature Machine Intelligence*, *Nature Communications*, *IEEE Transactions on Neural Networks and Learning Systems*, NeurIPS, KDD, AAAI, and IJCAI, as well as in top-tier statistics and methods journals such as *Journal of the American Statistical Association*, *Biometrika*, *Annals of Applied Statistics*, and *Biostatistics*.

Through sustained collaborations across multiple disciplines, Professor Wei has authored or co-authored more than **200 peer-reviewed publications**, which have received over **23,000 citations**, with an **H-index of 67**. His work has appeared in high-impact journals including *Nature*, *Science*, *Cell*, *Nature Medicine*, *Nature Genetics*, and *Immunity*. He has served as Principal Investigator, co-PI, or co-Investigator on numerous externally funded research programs supported by NIH, NSF, DoD, and industry, with total funding exceeding **\$70M**.

Professor Wei has held significant editorial leadership roles, including serving as Associate Editor for *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, *IEEE Internet of Things Journal*, *Annals of Applied Statistics*, and *Statistical Analysis and Data Mining*, and as the Founding Editor-in-Chief of *Computational and Structural Biotechnology Reports*. He has also played leading roles in major international conferences, including serving as Program Co-Chair of **IEEE International Conference on Systems, Man, and Cybernetics (SMC 2021)** and Program Chair of the **IEEE/ACM Conference on Connected Health (CHASE)**. His contributions have been further recognized through election as a **Fellow of the IEEE, AAAS, AAIA, and AIIA**, reflecting sustained leadership and impact in artificial intelligence and data-driven systems. His research and professional service align closely with the systems-oriented mission of the IEEE Systems, Man, and Cybernetics Society.