Pierre Baldi

University of California, Irvine (UCI)
School of Information and Computer Sciences (ICS)
Institute for Genomics and Bioinformatics (IGB)

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Research Areas

- AI and Machine Learning with particular emphasis on: Deep Learning, Neural Networks, Reinforcement Learning, and their Theoretical Foundations and Applications.
- Applications, particularly in the Natural Sciences:
    - Physics (High-Energy Physics, Cosmology, Quantum Mechanics);
    - Chemistry (Prediction of Molecular Properties, Prediction of Chemical Reactions, Drug Discovery, Chemoinformatics);
    - Biology (Neuroscience, Circadian Rhythms, Gene Regulation, Omic Sciences, Protein Structure Prediction, Bioinformatics, Systems Biology).

The driving interest behind my efforts is to understand natural and artificial intelligence.

Google Scholar Profile

UCI Positions

- Chancellor's Professor in the Department of Computer Science, School of Information and Computer Sciences
- Director, Institute for Genomics and Bioinformatics
- Associate Director, Center for Machine Learning and Data Mining
- Joint appointments in the Departments of Mathematics, Statistics, Biological Chemistry, and Biomedical Engineering.
- Member of the California Institute for Telecommunications and Information Technology
- Member of the Institute for Mathematical Behavioral Sciences

Background

Ph.D. Mathematics, California Institute of Technology

Honors and Awards

- Lew Allen Research Award
- Laurel Wilkening Faculty Innovation Award
- Microsoft Faculty Research Award
- Fellow AAAI (Association for the Advancement of Artificial Intelligence)
- Fellow AAAS (American Association for the Advancement of Science)
- Fellow IEEE (Institute of Electrical and Electronics Engineers)
- 2010 Eduardo R. Caianiello Prize from the Italian Neural Network Society (SIREN)
- Fellow ACM (Association for Computing Machinery)
- Fellow ISCB (International Society for Computational Biology)

Conferences

- 2014 ACM BCB Conference
- 2014 Workshop on Deep Learning: Theory, Algorithms, and Applications
- 2015 Workshop on Deep Learning: Theory, Algorithms, and Applications
- 2016 Southern California Machine Learning Symposium
- 2016 Workshop on Deep Learning: Theory, Algorithms, and Applications
- 2016 ISMB Conference
- 2017 Workshop on Deep Learning: Theory, Algorithms, and Applications

Contact Information

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