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Curriculum Vitae

Name: Howard (Bebo) White Jr.

Title: Professor

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Current Position(s):

- Professor, The Fromm Institute for Lifelong Learning, University of San Francisco
- Professor, The Osher Lifelong Learning Institute, San Francisco State University
- Lecturer, The Osher Lifelong Learning Institute, Santa Clara University

Employment History:

- Lockheed Corporation, Sunnyvale, California, 1967-1981
- SLAC National Accelerator Laboratory/Stanford University, Menlo Park, California, 1981-2020
- University of Hong Kong, Hong Kong, China, 1997-2020

Academic Qualifications:

- University of North Carolina, Chapel Hill, North Carolina, BS-Physics, 1967
- San Jose State University, San Jose, California, MS-Physics, 1976

Research Interests:

- Computational high-energy physics (emphasis on data analysis and visualization, simulation systems)
- Internet and World Wide Web technology (emphasis on Web Engineering and Web Science)
- Human-Computer-Interaction (emphasis on applications in new technologies – Internet of Things, Artificial Intelligence (AI), Machine Learning (ML), Virtual and Augmented Reality (AR/VR) systems, online educational systems)
- Cryptocurrency and Blockchain/Distributed Ledger technologies
- History of Scientific Innovation

Recent Presentations:

- **Bringing the Web to America**, The 2022 ACM Web Conference, Lyon France, April 2022
- **AI – What’s the Fuss and Future?**, SF Towers, November 2021
- **Bitcoin, Cryptocurrency, and “Satoshi’s Dream,”** University Club of San Francisco, October, 2021
- **Bitcoin, Cryptocurrency, and “Satoshi’s Dream,”** City Club of San Francisco, May 2021
- **Blockchain and the Future of Online Trust Post-Covid-19**, IEEE TrustCom2020, December 2020
- **Cryptocurrency, Blockchain and Social Change**, San Francisco Economic Round Table, May 2020
- **Bitcoin, Cryptocurrency, and “Satoshi’s Dream,”** Financial Planning Association – San Francisco, March 2020

Recent Classes:

- **CERN: How High-Energy Physics Has Led to the Secrets of the Universe, the World Wide Web, and a Model for International Scientific Collaboration**, Fromm Institute, Spring Quarter, 2022

- **New Computing in 2022 and Beyond: Facts, Threats and Life Improvements**, Osher-San Francisco, Spring Quarter, 2022
- **Guide to Living in a World with Artificial Intelligence**, Fromm Institute, Fall Quarter, 2021
- **Cryptocurrency, Blockchain, and a New Economic World**, Osher-Santa Clara, Fall Quarter, 2021
- **Cryptocurrency, Blockchain, and a New Economic World**, Osher-San Francisco, Summer Quarter, 2021
- **COMP7505 – Designing User Interfaces**, University of Hong Kong, Summer Term, 2021
- **The Past, Present and Future of the World Wide Web**, Osher-San Francisco, Spring Quarter, 2021
- **The Manhattan Project: Personalities and Problems**, Fromm Institute, Fall Quarter, 2020

Recent Publications:

- **Blockchain-based approach to create a model of trust in open and ubiquitous higher education**, Feb 23, 2019, Journal of Computing in Higher Education/Springer
- **A Blockchain-based Decentralized Data Storage and Access Framework for PingER**, Sep 1, 2018, 17th IEEE International Conference on Trust, Security and Privacy in Computing and Communications/ 12th IEEE International Conference On Big Data Science And Engineering
- **Extension of the PingER Project onto Mobile Devices using Android Applications**, Proceedings, Confluence 2019

Academic/Scientific Honors:

- Doctor Honoris Causa, Slovak University of Technology, 2018
- Honorary Professor, School of Engineering and Technology, Amity University, 2015
- Web Science Champion, University of Southampton, 2012
- WWW Pioneer Award, Open Web/Stanford University, 2011
- Wolfgang Kempelen Medal, Slovak University of Technology, 2010
- Association for Computing Machinery (ACM) Distinguished Speaker, 2010
- Distinguished Award for Web Engineering, Pakistan National University of Sciences and Technology, 2006

Other Honors:

- Maitre, L'Ordre des Compagnons du Beaujolais
- Chevalier, Confrérie de Tokaj
- Colonel, Commonwealth of Kentucky