

ADIA Lab Welcomes Turing Award Winner Shafi Goldwasser to its Advisory Board

Abu Dhabi, 22 June 2023

ADIA Lab, the Abu-Dhabi-based institute dedicated to basic and applied research in data and computational sciences, has announced that Professor Shafi Goldwasser, Director of the Simons Institute for the Theory of Computing and the C. Lester Hogan Professor in Electrical Engineering and Computer Science at UC Berkeley, has joined its Advisory Board.

A Turing Award winner in 2012 for “revolutionizing the science of cryptography”, Professor Goldwasser has made significant contributions to cryptography, number theory, and complexity theory, as well as their applications to privacy and security. She is also the RSA Professor of Electrical Engineering and Computer Science at MIT, and a professor of computer science and applied mathematics at the Weizmann Institute of Science in Israel. Professor Goldwasser is a member of the U.S. National Academy of Sciences, and a twice-winner of the Gödel Award (1993, 2001).

ADIA Lab focuses on Data Science, Artificial Intelligence, Machine Learning, and High-Performance and Quantum Computing, across all major fields of study.

ADIA Lab’s Advisory Board includes global thought-leaders from various data and computationally-intensive disciplines, and oversees the development and implementation of the Lab’s research agenda and programmes

Dr Horst Simon, Director of ADIA Lab, said: “In our digital world, privacy and security - including cybersecurity - are of critical societal importance. As one of the world’s leading authorities on cryptography, Professor Goldwasser’s expertise will be invaluable as we explore this fascinating topic and its potential impact across a broad range of applications. It gives me great pleasure to welcome Professor Goldwasser to ADIA Lab.”

With the addition of Professor Goldwasser, ADIA Lab’s Advisory Board comprises nine internationally-renowned scientists covering numerous fields, including:

- **Professor Steven Chu**, former US Secretary of Energy, and winner of the 1997 Nobel Prize in Physics.
- **Professor Alex 'Sandy' Pentland**, Toshiba Professor of Media, Arts, and Sciences at MIT, member of the U.S. National Academy of Engineering, and director of MIT’s Media Lab.
- **Professor Miguel Hernan**, Kolokotronis Professor of Biostatistics and Epidemiology at the Harvard Chan School of Public Health, director of Harvard’s CausaLab, and winner of the 2022 Rousseeuw Prize for Statistics.
- **Professor Jack Dongarra**, Emeritus Professor in the Electrical Engineering and Computer Science Department at the University of Tennessee, member of the US National Academy of Engineering, Fellow of the Royal Society, and 2021 Turing Award winner.
- **Dr. Edward Jung**, co-founder and Chief Technology Officer of Intellectual Ventures, and a co-founder of Microsoft Research.
- **Professor Marcos López de Prado**, Global Head – Quantitative Research & Development at ADIA, Professor of Practice at Cornell University’s School of Engineering, Research Affiliate at Lawrence Berkeley National Laboratory (U.S. Office of Science), and Professor of Practice at Khalifa University’s Department of Mathematics.
- **Professor Alex Lipton**, Global Head – Quantitative Research & Development at ADIA, Visiting Professor and Dean’s Fellow at HUJI’s School of Business Administration, Professor of Practice at Khalifa University’s Department of Mathematics, and Connection Science Fellow at MIT’s Media Lab.

- **Dr Horst Simon**, former Chief Scientific Officer and Deputy Director at Lawrence Berkeley National Laboratory (U.S. Office of Science), twice winner of the Gordon Bell Prize (1988, 2009), and Director of ADIA Lab.

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ABOUT ADIA LAB

ADIA Lab is an independent institution engaged in basic and applied research in Data Science, Artificial Intelligence, Machine Learning, and High-Performance and Quantum Computing, across all major fields of study.

This includes exploring applications in areas such as climate change and energy transition, blockchain technology, financial inclusion and investing, decision making, automation, cybersecurity, health sciences, education, telecommunications, and space.

Based in Abu Dhabi, ADIA Lab is an independent, standalone entity supported by the Abu Dhabi Investment Authority (ADIA), a globally-diversified investment institution that invests funds on behalf of the Government of Abu Dhabi.

ADIA Lab has its own governance and operational structure, and is guided by an Advisory Board of global thought leaders in data and computationally-intensive disciplines, to pursue its research independently.

For more information, please visit www.adialab.ae or contact us at info@adialab.ae