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PRESS RELEASES

CLASSIQ FORMS TECHNICAL ADVISORY BOARD

20 July, 2021



Tel-Aviv, ISRAEL -- July 20, 2021 -- Classiq Technologies announced today that two leading researchers in quantum computing - Prof. Tal Mor and Prof. Robert Wille - are joining its newly-formed Technical Advisory Board.

Tal Mor is a Professor of Computer Science at the Technion - Israel Institute of Technology, and a member of the Executive committee of the Technion's Helen Diller Quantum Center. He initiated the Physics and Computer Science 4-year track many years ago and initiated the Secondary Specialization Track in Quantum Computing very recently.

Professor Mor has been focusing on all aspects of the theoretical foundation and implementation of quantum information, quantum computing, quantum cryptography, and quantum communication. Although Tal is a theoretician, he has often been also involved in experimental projects. Tal collaborated with many world leaders in the quantum science and technology field including Bennett, Brassard, Shor, Divincenzo, Laflamme, Yablonovitch, Gisin, and many others.

Among Mor's many contributions to the field are the photon number splitting attack, nonlocality without entanglement, unextendible product basis (and bound entanglement), algorithmic cooling of spins, semi quantum key distribution, single-electron transistor, the collective attack, the original measurement-device-independent protocol, and the most "popular" universal set of gates (H, T, and CNOT).

Robert Wille is a Professor at the Johannes Kepler University Linz, Austria, where he is the head of the Institute for Integrated Circuits. He is also the Chief Scientific Officer at the Software Competence Center Hagenberg GmbH, Austria.

Professor Wille's expertise covers a broad spectrum of topics with a particular focus on the development of automatic methods for the design, simulation, verification, and test of complex systems in hard- and software. He considers conventional technologies (from formal specifications to the realization) as well as future technologies including quantum computing.

Among Wille's many contributions to the field are the development of various software tools, e.g., for quantum circuit simulation, compilation, or verification. For those methods, he and his team utilized expertise from the domain of computer-aided design to explicitly tackle the underlying complexity - leading to highly efficient solutions. For this work, Prof. Wille was repeatedly awarded (e.g., with Best Paper Awards, an ERC Consolidator Grant, a Google Research Award, an Under-40 Innovators Award, and more).

"Our patented Quantum Algorithm Design technology is based on fusing proven concepts from computer-aided design with the latest in quantum computing," says Dr. Yehuda Naveh, CTO and co-founder of Classiq. "It is a pleasure to welcome Prof. Wille and Prof. Mor to our advisory board and collaborate with them in creating a better way to design quantum circuits."

"I've been following the progress of the Classiq team from the first days of the company. I've been highly impressed by their unique adaptation of a constraint satisfaction engine to quantum computing," says Prof. Tal Mor, "The results are very exciting and will eventually be crucial towards the successful deployment of larger-scale quantum computers."

"Classiq is solving an acute problem in quantum computing: - the ability to design circuits at scale while overcoming the constraints of current and future hardware," says Prof. Wille. "I am excited to work with the fantastic technical team at Classiq on building the future of quantum algorithm design."

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