

# **Supply Chain Finance with Applications of Block Chain**

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## **Abstract**

It is important to understand the ecosystem of the supply chain for companies that work with suppliers all over the world. The health of a global supply chain isn't just measured by revenue and profit. A more relevant indicator is how efficiently capital flows between buyers and suppliers. Slow moving capital, much like slow moving inventory, creates unnecessary costs and inefficiencies in a supply chain. To operate the company more effectively, supply chain finance requires an ecosystem that improves the velocity of working capital across a supply chain. Participants of the system involves buyers, suppliers, funding providers and platform providers. The purposes of this presentations is to introduce the concept of supply chain finance in particular with the applications of block chain. The background of block chain is also introduced. A listed company in Hong Kong is used as an illustrated case.

## **Biography**

Professor Lai received his PhD at Michigan State University, USA. He is an Honorary Professor at the Department of Industrial and Manufacturing Systems Engineering, University of Hong Kong, Hong Kong. Prior to his post, he was the Chair Professor of Management Science at the City University of Hong Kong. Before his academic appointment, he was a Senior Operational Research Analyst for Cathay Pacific Airways and an Area Manager on Marketing Information Systems for Union Carbide Eastern. Professor Lai's main areas of research interests are operations and supply chain management, financial and business risk analysis and modeling using computational intelligence. He is the Founding Chairman of the Hong Kong Operational Research Society of Hong Kong and currently the President of the Asia Association on Risk and Crises Management. In 2009, Professor Lai was the recipient of the Joon S. Moon Distinguished International Alumni Award of the Michigan State University and also appointed as the Chang Jiang Scholar Chair Professor by the Ministry of Education, China. In 2013, he has been selected as Fellow of the Asia Pacific Association of Industrial Engineering and Management Systems. In 2014, he was the recipient of the Civil and Environmental Engineering Distinguished Alumni Award, Michigan State University, USA. In 2017, Professor Lai is elected as the Academician of the International Academy of Systems and Cybernetic Sciences of Austria.