TIRANEE ACHALAKUL, PH.D.

Dr. Tiranee Achalakul is currently the president & CEO of Big Data Institute (BDI), the data intelligence service provider under the Ministry of Digital Economy and society of Thailand. She has worked in the fields of big data analytics, artificial intelligence, high performance computing, cloud and software engineering since 2000. She has extended experiences working in the IT industry and academia in both the United States and Thailand. During the past 24 years, Dr. Achalakul has been both an educator and a consultant. She serves on advisory boards for multiple government agencies as well as teaches university students and government employees. She is also the co-founder of the Big Data Experience Center, the KMUTT student incubator (Hatch), and a few technological startups.

Education
Ph.D. in Computer Engineering, Syracuse University, New York, 2000.
M.S. in Computer Engineering, Syracuse University, New York, 1996.
B.E. in Computer Engineering, KMIT'L, Thailand 1991-94.

Big Data Institute
Dr. Achalakul becomes the first president of BDI in 2023. BDI is the new agency responsible for driving Thailand towards data-driven nation. In its first year, BDI has 121 staff working in the fields of data sciences, data engineering, cloud engineering, and developers. In addition to providing data analytics and data integration services, the focused projects include:
- Health Link - Building the health information exchange engine for primary care facilities and secondary/tertiary hospitals.
- Travel Link - Providing tourism insight to the traveling industry from government data.
- Data Ecosystem – Forming alliances between public, private, and education sectors to engage in boosting data analytics practices.
- ThaiLLM – Forming alliances of Thai researchers and practitioners to build LLM for Thai language.

Academic Experiences
- Assistant to President for Innovation and Partnership, King Mongkut's University of Technology Thonburi : KMUTT (July 2016 – 2020)
- Director, Big Data Experience Center, Knowledge Exchange for Innovation, KMUTT (2016 – 2020)
- Director, Hatch: Student Incubator, KMUTT (2016 – 2020)
- Associate Dean in Education Development, Faculty of Engineering, KMUTT (2012 – 2016)
- Management Committee, The National E-Science Infrastructure Project (2012-2022)
- Director, Center of Software and Computing Innovation (Innosoft), KMUTT (2009 – 2013)
- Department Chair, Dept. of Computer Engineering, KMUTT (July 2008 – June 2012).

Consulting Experiences
Dr. Achalakul is a computer engineer with expertise in data methodology and information technology. Her background in mathematical modeling and computer technology brings about practical aspects to multiple consulting projects in the areas of IT and data strategic planning, AI Implementation, big data modelling and analytics, process and data optimization, high performance and cloud computing adoption.