**Keynote Speaker:**

**Dr. Chenming Hu**

- Former Chief Technology Officer, TSMC
- TSMC Distinguished Professor Emeritus at University of California, Berkeley
- Renowned internationally as the Father of the 3D Transistor in FinFET
- Presented with the National Medal of Technology and Innovation by President Obama in the White House, 2016

**Executive Speakers:**

**Dr. John Chen**
- Corporate Vice President of Technology and Foundry Management, NVIDIA

**Dr. Jay Lee**
- Ohio Eminent Scholar and Director of Industrial AI Center, University of Cincinnati
- Board Member, Foxconn Technology Group
- Former Vice Chairman, Foxconn Technology Group

**Calvin Cheung**
- Vice President of Engineering, ASE Group

**Robert Fan**
- President, Silicon Motion Inc. U.S.A.

**Steven Liu**
- Vice President of Sales, Europe & Japan, UMC

**Nana Tseng**
- Chief Procurement Officer, onsemi

**Moderator:**

**David Jeng**

- Chief Executive Officer and Board Member for Wintec Industries Inc
- Secretary General of Monte Jade West

Speakers' bios:



## Dr. Chenming Hu

Professor Chenming Hu is an electronics innovator, TSMC Distinguished Professor Emeritus at the University of California, Berkeley, and renowned internationally as the Father of the 3D Transistor FinFET. Intel called FinFET the most radical shift in semiconductor technology in over 50 years in 2011. Today, all advanced computers, servers, and smartphones are using 3D Transistor processors.

Hu also led and continues to lead the development of the BSIM suite of transistor standard models that the IC industry has used to design ICs with cumulative worth over a trillion US dollars since 1996.

He has served as the Chief Technology Officer of TSMC (Taiwan Semiconductor Manufacturing Company) and Chairman of the non-profit East Bay Chinese School and Friends of Children with Special Needs.

Professor Hu was honoured with UC Berkeley's highest honor for teaching in 1997, the Asian American Engineer of the Year Award in 2011, the highest medal of the Institute of Electrical and Electronic Engineers in 2020, and memberships in the US National Academy of Engineering, the Chinese Academy of Sciences, the US Academy of Inventors, and Academia Sinica of Taiwan. He

has received Ph.D. degree from UC Berkeley and honorary doctoral degrees from Hong Kong University and NYCU. He has authored five books and 1000 research papers and has been granted over 100 US patents.

In 2016, Professor Hu was presented with the National Medal of Technology and Innovation by President Obama in the White House.



### Dr. John Chen

Dr. John Y. Chen has been the Corporate Vice President of Technology and Foundry Management at NVIDIA Corporation since 2004. Prior to that, Dr. Chen spent 10 years at TSMC. He created and ran the R&D group at TSMC, Taiwan.

He served on Monte Jade West board and was a board director of Cascade Inc. (Nasdaq: CSCD) from 2010-2016.

Dr. Chen has published a book on "Leadership in Management," by Nova Science Publisher, 2022.

**Dr. Jay Lee**

Dr. Jay Lee is Ohio Eminent Scholar, L.W. Scott Alter Chair, and Univ. Distinguished Professor, and founding director of National Science Foundation (NSF) Industry/University Cooperative Research Center (I/UCRC) on Intelligent Maintenance Systems (www.imscenter.net) in partnership with over 100 global company members. IMS was selected as the most economically impactful I/UCRC in the NSF Economic Impact Study Report in 2012. He is also the Founding Director of Industrial AI Center (www.iaicenter.com). He mentored his students and developed a number of start-up companies including Predictronics through NSF iCorp in 2013.

Currently, he serves as a board member of Foxconn Technology Group. He was on leave from UC to serve as Vice Chairman and Board Member during 2019-2021 to lead the development of Foxconn Wisconsin Science Park (~$1B investment) in Mt. Pleasant, WI (www.foxconnwiofficial.com). In addition, he advised Foxconn business units to successfully receive five WEF Lighthouse Factory Awards since 2019.

He is a member of Global Future Council on Advanced Manufacturing and Production of the World Economics Council (WEF) as well as a member of Board of Governors of the Manufacturing Executive Leadership Council of National Association of Manufacturers (NAM). Prior to his academic career, he served as Director for Product Development and Manufacturing at United

Technologies Research Center (now Raytheon Technologies Research Center) as well as Program Directors for a number of programs at NSF.

He was selected as 30 Visionaries in Smart Manufacturing in by SME in Jan. 2016 and 20 most influential professors in Smart Manufacturing in June 2020. His new book on Industrial AI was published by Springer in 2020.

For publication citation and impacts, see

Google Scholar

ResearchGate



## Calvin Cheung

Calvin Cheung currently holds the position of Vice President of Engineering at ASE. Over the decade since joining ASE, Calvin has led teams working with system house customers on complex technology innovations that have resulted in significant market success within the consumer electronics space. He has also held responsibility for leading strong field application engineering teams for customer collaboration on technology development and new product introduction. Calvin is

recognized as a leading technologist for 2.5D technology development, both at ASE and within the industry.

His semiconductor industry career spans over thirty years, many of which were spent at AMD in silicon product development spanning design to manufacturing in a variety of technology, strategic, and management roles. Latterly, Calvin was responsible for building and leading the product development engineering group, which developed and delivered three generations of chipset for AMD's microprocessors, namely K6, K7, and K8.



## Robert Fan

Robert Fan is the President of Silicon Motion Inc. U.S.A. managing the business in the U.S. and Europe regions for Silicon Motion Inc. (NASDAQ: SIMO) – a world leader in NAND storage controller solutions. Robert oversees the largest revenue region for the company, and he is also responsible for corporate Marcom/PR, strategic partnerships, and serves as the General Manager of the burgeoning graphics product line.

Prior to Silicon Motion, Robert served in executive positions at companies such as Spansion, IDT and two IC startups both exited with positive valuations. Robert also spent 9+ years at Intel in sales, marketing, and management positions after four years of design engineering. Robert is currently a board member of Monte Jade Science & Technology Association and volunteers as a mentor in the

association's esteemed mentorship program. Robert advises startup companies and also speaks publicly on subjects ranging from technology, semiconductor market, leadership and sales. He holds a BS in Electrical Engineering from the U.C. Berkeley, MSEE from Santa Clara University, and completed the General Management Executive Program at the University of Texas McCombs School of Business.



## Steven Liu

Steven Liu serves as Vice President of Europe and Japan Sales at UMC. In this role, Mr. Liu leads regions to develop growth strategy with business portfolio transformation base on semiconductor market mega trend to ensure the quality and sustainability of the foundry business pipeline.

Mr. Liu's 23 year semiconductor experience includes leadership roles associated with world's leading corporations. Prior to UMC, he was Associate Partner at McKinsey & Co with focus on growth strategy and business innovation for semiconductor sector. Before joining McKinsey & Co, he served as corporate vice president and general manager of global desktop business unit at AMD. Previously, he held vice president position at Samsung as well.

Steven Liu holds a master's degree in Electrical Engineering from University of Southern California and a bachelor's degree in Eleotrophysics from National Chiao Tung University.

Nana Tseng

Nana Tseng is Chief Procurement Officer of onsemi, a leading semiconductor company rooted in the combined heritage of Motorola and Fairchild. Today, onsemi is driven to innovate intelligent power and sensing solutions focusing in automotive and industrial markets. In her role, she is directly responsible for the procurement and supply partnership strategy, managing multibillion dollar spend ranging from capital equipment, wafer start materials, wafer fab and back end direct and indirect materials, external manufacturing services and corporate services.

Prior joining onsemi, she was the Vice President of Sales at Advanced Semiconductor Engineering (ASE), the world's largest provider of independent manufacturing services in assembly and test. Her insights on the semiconductor ecosystem and supply chain are built upon her experience working with a broad portfolio of fabless, IDMs, and OEMs. Her passion in this industry comes from working with innovative companies committed to bring the next revolutionary technology to the market. Nana was born in Taiwan, grew up in Saudi Arabia, educated in the US, and worked extensively in SE Asia before settling back to Silicon Valley. She has an MBA from MIT Sloan School of Management.

## David Jeng

David Jeng currently serves as Chief Executive Officer and Board Member for Wintec Industries Inc – A Supply chain management and Manufacturing company with a global footprint. Prior to this role, David served as Executive Vice President and General Manager of Wintec's Manufacturing Business, Chief Strategy Officer, Vice President of the Retail division and Vice President of Operations. Additionally, David sits on the Board for Graniterock – one the largest and longest standing materials and infrastructure construction companies in Silicon Valley founded in 1900. David is also an active investor and advisor for Blockchain Projects, technology startups, hedge funds and venture funds.

To serve the greater community, David serves as Secretary General of Monte Jade West Science and Technology Association which focuses on technology and the development of next generation Asian Leaders. He has also held other roles within Monte Jade including Chairman of the Board and Vice Chair. Additionally, David sits on the board of USC's Viterbi Innovation Partners which is focused on building community and connections for USC alumni along with serving as an advisor for USC's Center for AI in Society++ (CAIS++)

David received his Bachelors in Computer Engineering and Computer Science from the University of Southern California.