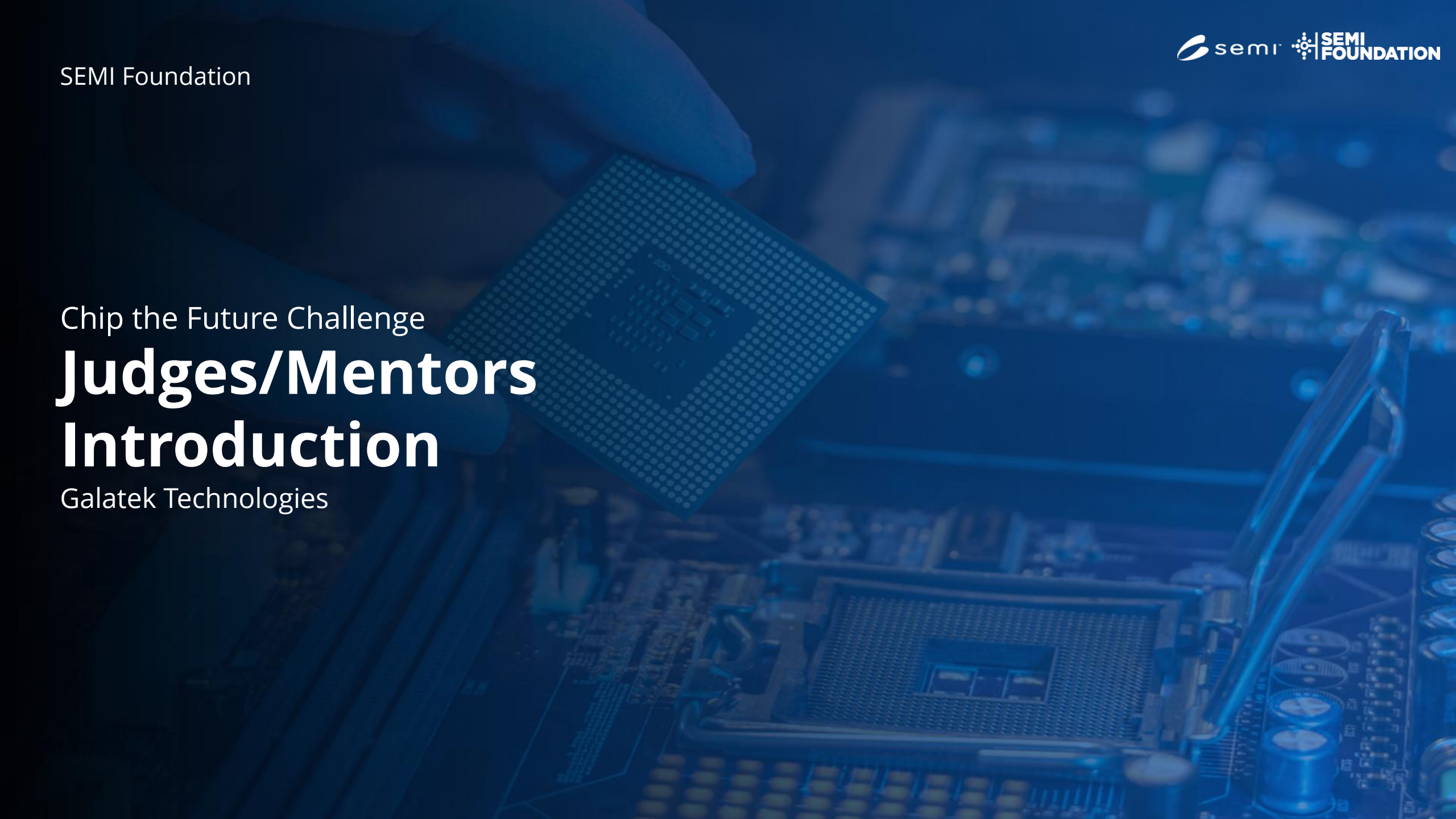
SEMI Foundation

Chip the Future Challenge

Judges/Mentors Introduction

Galatek Technologies



Judges



Oranna Yauw

Singapore

R&D Director, Galatek Technologies
Singapore

- Drives development and commercialization of next-generation product technologies, with 20+ years of experience spanning frontend wafer fabrication to backend assembly equipment

- Delivered milestone innovations, including equipment deployment for the world's first 300mm fab, gold-to-copper wire bonding transitions, and advancing high density interconnect technologies for advanced packaging

- Previously held technical roles at Applied Materials in Santa Clara, California, and GlobalFoundries in Singapore

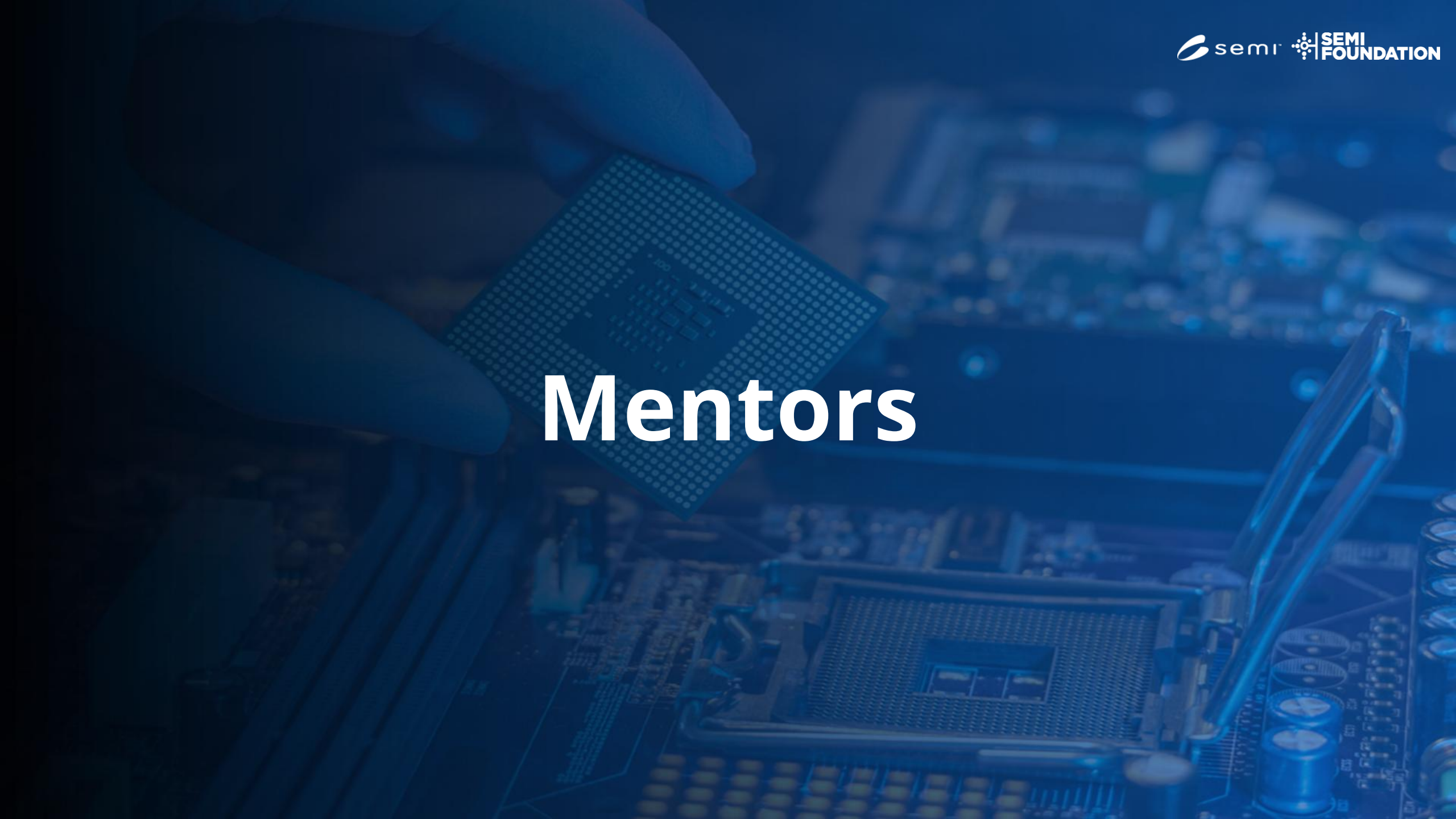


Victor Huang

Singapore

Assistant Director, Computer Vision Systems, Galatek Technologies

- 19 years of experience in R&D and advanced machine vision technologies
- Led R&D teams in developing high-precision solutions including sub-micron alignment architectures, 2D and 3D AOI inspection systems, 3D metrology systems, and specialised optics and vision algorithms for wire bonding and die bonding applications
- Focuses on advancing precision, automation, and intelligent vision capabilities for semiconductor manufacturing


semi
SEMI FOUNDATION
Mentors



E Jiahua

Singapore

Technical Manager, Galatek Technologies

- Leads development of advanced semiconductor equipment from concept through commercialization, with 10+ years of R&D experience
- Expertise spans back-end packaging equipment, front-end wafer metrology, and advanced packaging technologies, with technical leadership in system architecture, optomechanical design, and thermal/vibration management
- Leads multidisciplinary engineering teams and oversees product development initiatives, driving technical problem-solving for reliable, innovative solutions
- Passionate about talent development; mentors the next generation of engineers in system design, project execution, and technology innovation



Terry Yang

Singapore

Associate Director, Galatek Technologies

- 18 years of R&D experience in semiconductor equipment
- Specializes in high-precision mechatronics, optical and vision integration, motion control, and thermal and vibration control systems
- Led teams through end-to-end development from concept to launch, delivering more than ten high-end precision equipment platforms
- In-depth knowledge of cutting-edge semiconductor equipment technologies; leads cross-functional teams to deliver innovative, cost-effective solutions through extensive project management experience