

# Meet the eBeamers



Leo has worked on eBeam technologies for almost 20 years

- Stanford paper – how to reconstruct 3D profile from two SEM images
- From 2000 (first at Numerical Technologies), eBeam work related to litho model calibration using wafer SEM measurements
- Pioneered the development of Inverse Lithography Technology (ILT) at Luminescent Technologies

**Luminescent**  
TECHNOLOGIES™

Leo is now Chief Product Officer at D2S, driving the most advanced eBeam modeling and applications for mask making and litho

- Working on eBeam applications to solve very challenging problems using the general purpose GPU (GPGPU) platform
- Next time you see Leo, ask him “how do you enable mask writing of the curvilinear ILT mask that you pioneered at Luminescent?”
- “eBeam technologies are on the rise due to the fact we are approaching the resolution limits of optics. We have seen the transition in mask making from laser to eBeam raster to eBeam VSB writers, all the way to the multibeam writer in the future.”

**D<sub>2</sub>S**



Leo was born and studied in China, moved to Silicon Valley to get his Ph.D. at Stanford, stayed and now gives back to the industry in both countries (pictured left at CSTIC)

- Bachelor's and master's degrees in mechanical engineering from the University of Science and Technology of China (USTC); Ph.D. in mechanical engineering and a master's degree in computer science from Stanford University
- Member of USTC Bay Area Founder's Club and HYSTA Executive Club; active in establishing Stanford Chinese Alumni Network
- Has served as co-chair of the Lithography Symposium of China Semiconductor Technology International Conference (CSTIC) since 2010, bringing experts from around the world to speak, like Yan Borodovsky, pictured below



**Linyong (Leo) Pang**  
Chief Product Officer, D2S



Leo's long-term personal interests include badminton and making models of just about anything

- He used to be on his college's badminton team and still plays regularly, pictured at left
- “I love making things. I was really into making model planes, cars and boats since learning to read. I started picking up the hobby again recently.”

