

Bio:

Kailin Chen is a research assistant of Dr. Yarin in University of Illinois at Chicago who works on the computational prediction of spunbond web properties. Based on the investigation of spunbond production line, Kailin found some current used processing parameters during the spunbond process are arbitrary chosen which needs detailed scientific investigation. Kailin believes that by practical numerical predictions, fabric type can be innovated and benefits in more fields with better qualities. With years of learning and guidance of the advisors, Kailin has built a physical and numerical model for the Reicofil spunbond line before the bonding stage and developed several numerical methods to investigate the spunbond fabric.

Kailin also did investigations about the mechanical design. She collaborated with team and improved the design of rock cutting cleanser and wins the 'Honorable Mention Awards of 28th Expo' with a wind tunnel prototype design when she is pursuing the bachelor's degree. These experiences encourage her to explore more about the relationship between the real world and mechanical properties. She is currently a graduate student pursuing a Ph. D degree.

Kailin holds a bachelor's degree in Mechanical Engineering from Northeastern University (China) and a master's degree in Mechanical Engineering from University of Illinois at Chicago.