Julia Hsu (Univ. of Texas, Dallas)

Marisol Valdez (Univ. of Texas, Dallas)
Weijie Xu, hired by Texas Instruments
Jesse Grayson, hired by Applied Materials
Robert Piper, hired by Intel Corporation

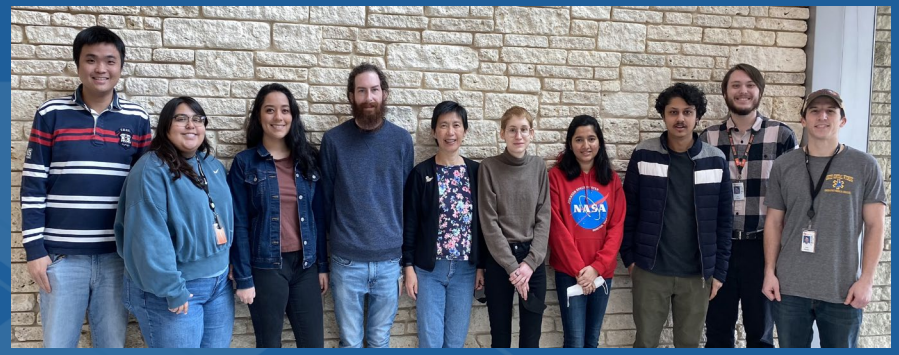
IBM, Intel, Samsung, TEL

Novel Materials for EUV Lithography

GRC NMP

- Breakthrough results! Successful synthesization and characterization of novel indium-based metal oxide EUV resist
- Indium based metal oxide resist will be crucial for advancing EUV lithography
- This highly-valued research paved the way to secure $ 1.9 million in FuSe2 funding from NSF Future of Semiconductors—a key goal of the CHIPS and Science Act
- Coupled with SRC member investments, this will grow Prof. Hsu's research capabilities to develop computational and machine learning tools for optimizing material and device properties
- The diverse team of graduate and undergraduate students collaborated with industry to achieve successful project results while simultaneously gaining valuable industry-relevant professional skills

Prof. Julia Hsu



Hsu Lab Research Team

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