

Texas Nanofabrication Facility (TNF)

How does your NSF-funded nanotechnology program help lead and nucleate the broader national nanotechnology infrastructure ecosystem?



Microelectronics Research Center
THE UNIVERSITY OF TEXAS AT AUSTIN



NASCENT



S. K. Banerjee
Site Director



B. Fowler
Site Coordinator



R. Gearba
TMI Coordinator



L. A. Kahlor
SEI Director



S. V. Sreenivasan
nm-Fab Director



R. Manthiram
TMI Director



L. F. Register
Computation

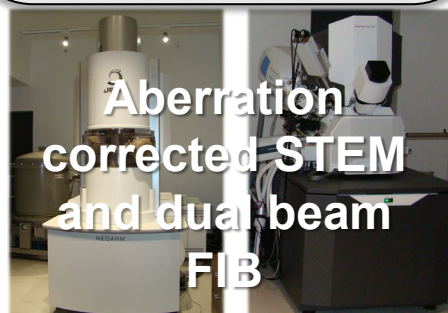
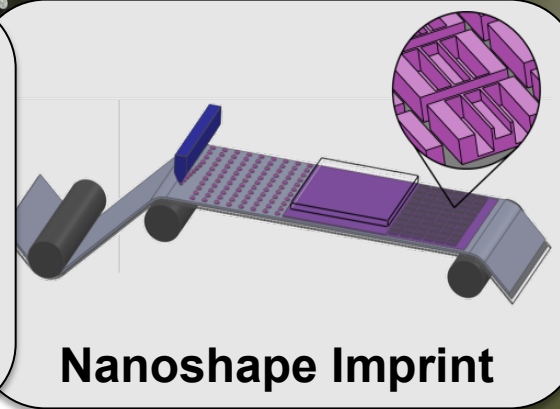
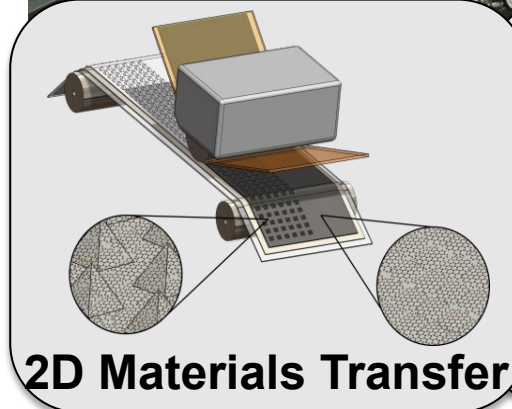
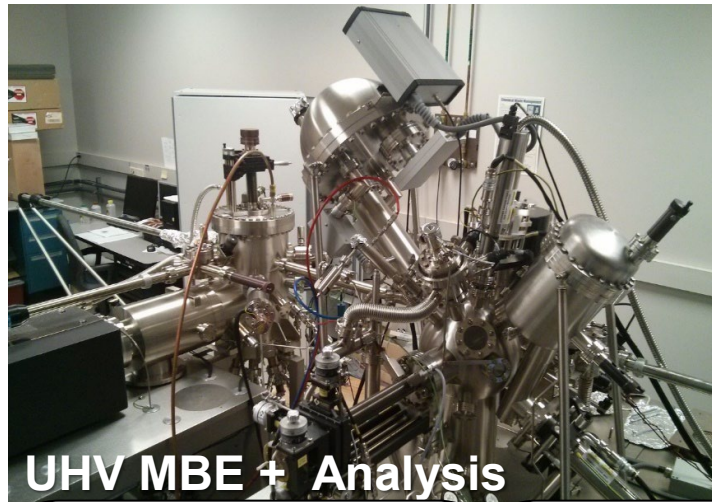


A. Quinonez
ACC



Texas Nanofabrication Resources

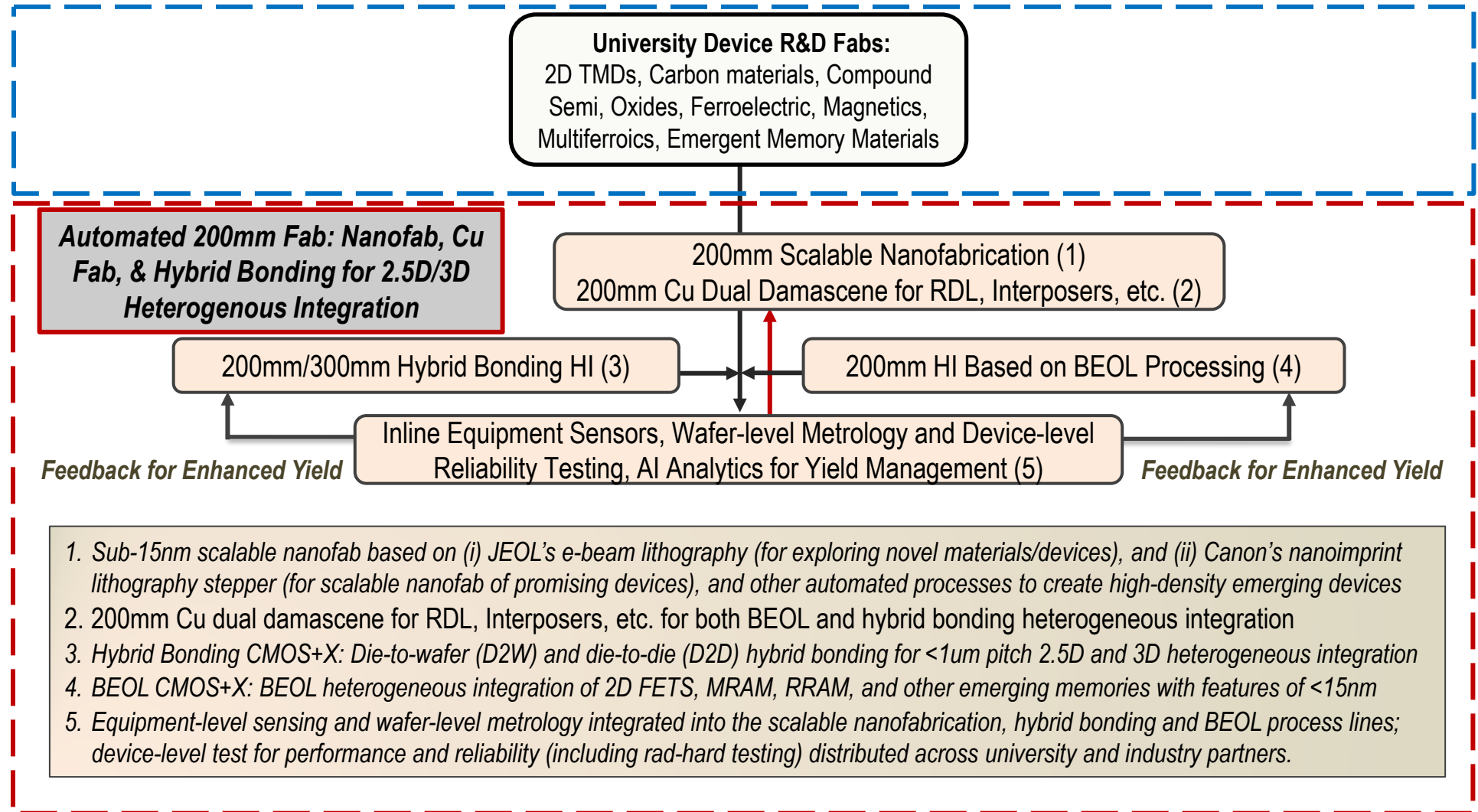
- 15,000 sq. ft. of Class 100 cleanroom at MRC
- Advanced Metrology at TMI
- 15,000 sq.ft. nano-manufacturing at nm-Fab
- 150+ tools
- 1.2M\$/yr. from UT and 1.3M\$/yr. user fees
- 25 Staff (7 funded by NNCI)



8" nanomanufacturing facility with \$550M grant from State of Texas

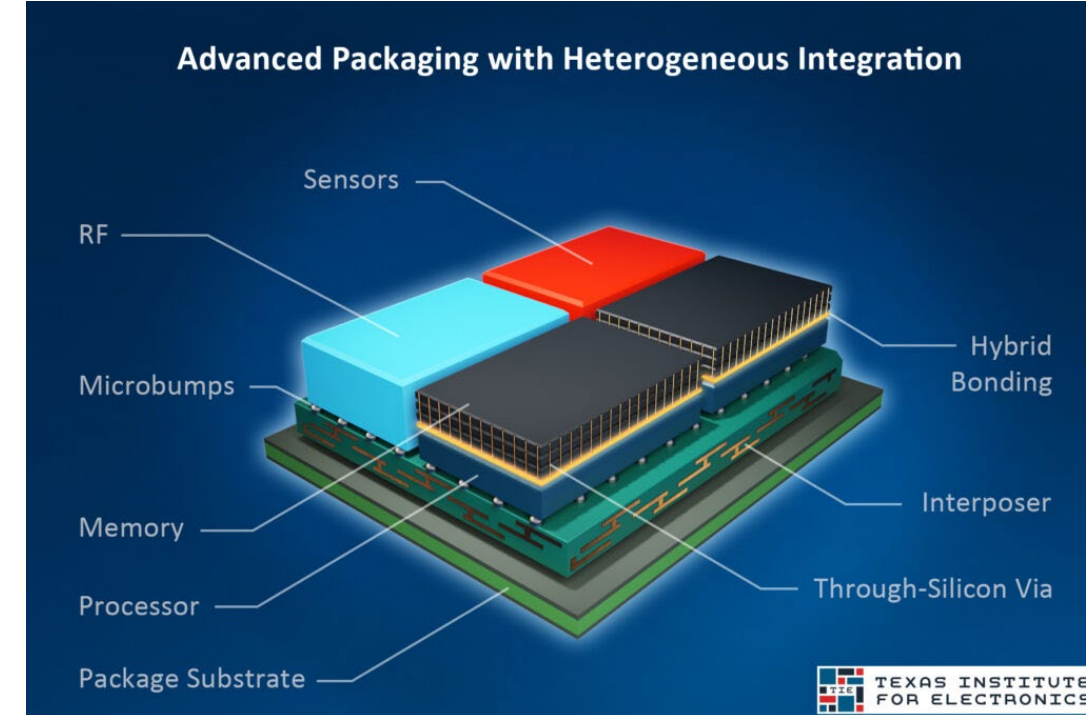
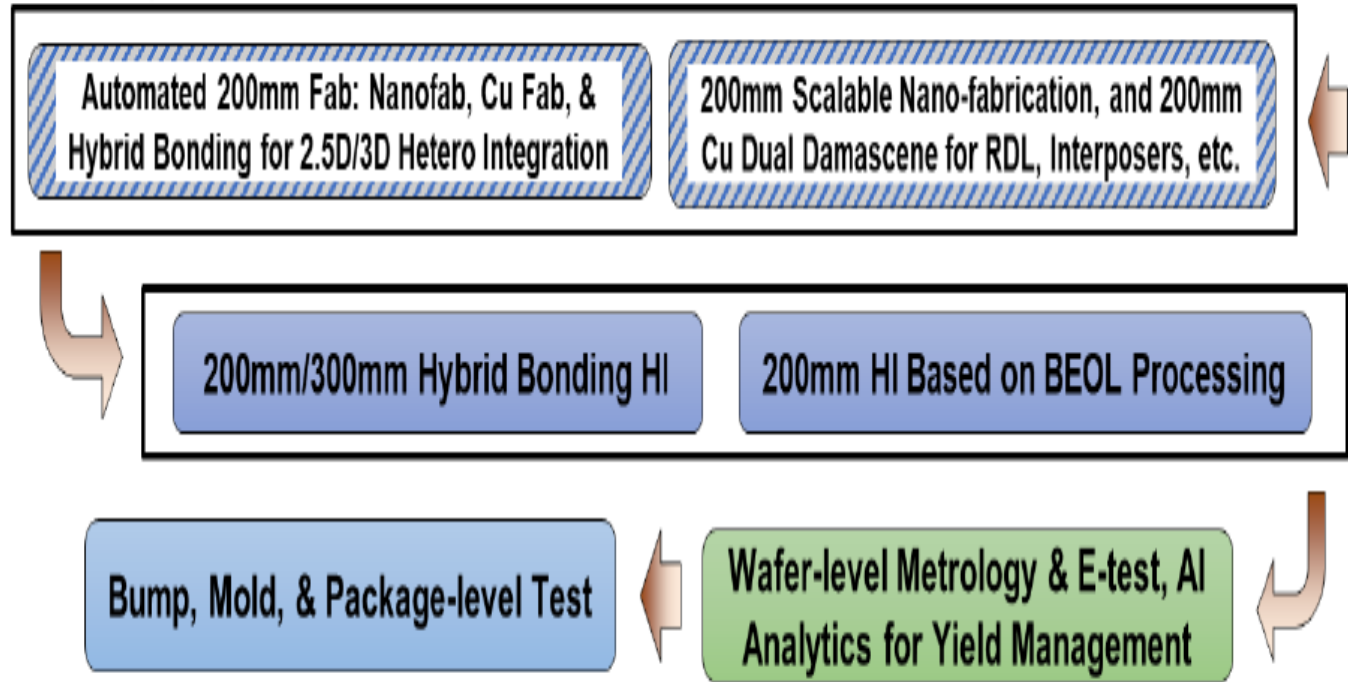
Recently received \$550M from the State of Texas in response to the CHIPS and Science Act.

\$27M CHIPS of this used to add 8" nanofabrication tools for shared use, and the rest to expand the cleanroom by 10,000 sq. ft.



Shared Facility for Heterogeneous Integration with \$840M DARPA NGMM

Texas recently won the \$840M DARPA NGMM grant to establish a shared facility for Heterogeneous Integration.



NNCI on Steroids: Lab to Fab

