



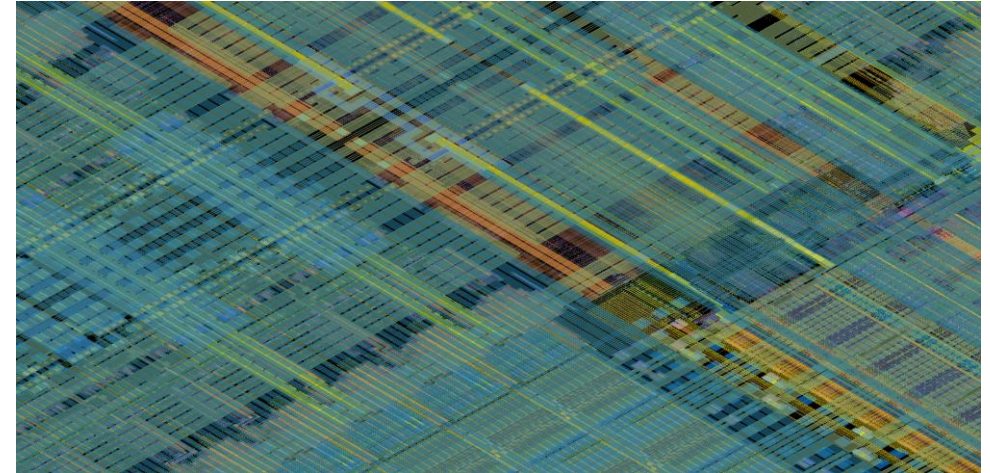
## 3D Integrated Circuits Lab Sessions

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# Introduction to Chip Design and Semiconductor Technologies

- Available days May 13<sup>th</sup> through May 20<sup>th</sup>
  - Basics of schematic capture
    - Using MicroMagic SUE
  - Basics of physical design
    - Using MicroMagic MAX
  - 3D integrated circuit design
    - Using MicroMagic MAX3D
- The focus of this labs will be introduction to chip design concepts and basic design tools.
- We will discuss how chips are made and why the industry is nearing the end of Moore's Law
- No previous experience is necessary.



# What Can Be Expected...

- Understanding basics of how chips are designed and manufactured
  - What is scaling and what are the limits
- What 2.5D and 3D integration is and how this advanced packaging technology can be employed
- Basic understanding of CAD flow for chip design
  
- Its an open forum to ask questions about semiconductor development and technology