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□ Design custom ICs,  
typically in support of  
lab programs

□ Generally, these ICs

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have many channels and are connected to some sort of sensor, transducer, ... at the front-end, do some sort of signal acquisition/processing, and send information, usually digital, off the back end of the chip

- We conceptualize the design, implement it electrically and produce the data needed to prepare the masks
- We don't actually fabricate

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the ICs - we use  
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communications has led to increasing demand for high-speed data transfer to activate optical communications, resulting in intensive work on high-speed device design And the circle.

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