



- Digital hardware systems;
- Digital hardware implementation methods;
 - Standard chips;
 - Programmable logic devices (PLD's);
 - Application Specific Integrated Circuits (ASIC's);
 - Fully custom IC's;
 - VHDL.
- Design process.











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Table 1.1	A sample of the International Technology Roadmap for Semiconductors.					
	Year					
	2006	2007	2008	2009	2010	2012
Technology feature size	78 nm	68 nm	59 nm	52 nm	45 nm	36 nm
Transistors per cm ²	283 M	357 M	449 M	566 M	714 M	1,133 M
Transistors per chip	2,430 M	3,061 M	3,857 M	4,859 M	6,122 M	9,718 M

















Presentation Summary

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