Microchip hardware components, computers memory and software have been moving into the future along multiple trend paths. Some of these trends are taking new directions, while others are merging. Computer technology will soon advance into mixed-technology, silicon microchips that combine digital and analogue circuitry. Contained within the same component chips could be: digital logic, memory, communications circuits, signal processing, sensor circuits, interface logic, data converters, display elements, voice synthesis, voice recognition and much more.