FIGURE 1: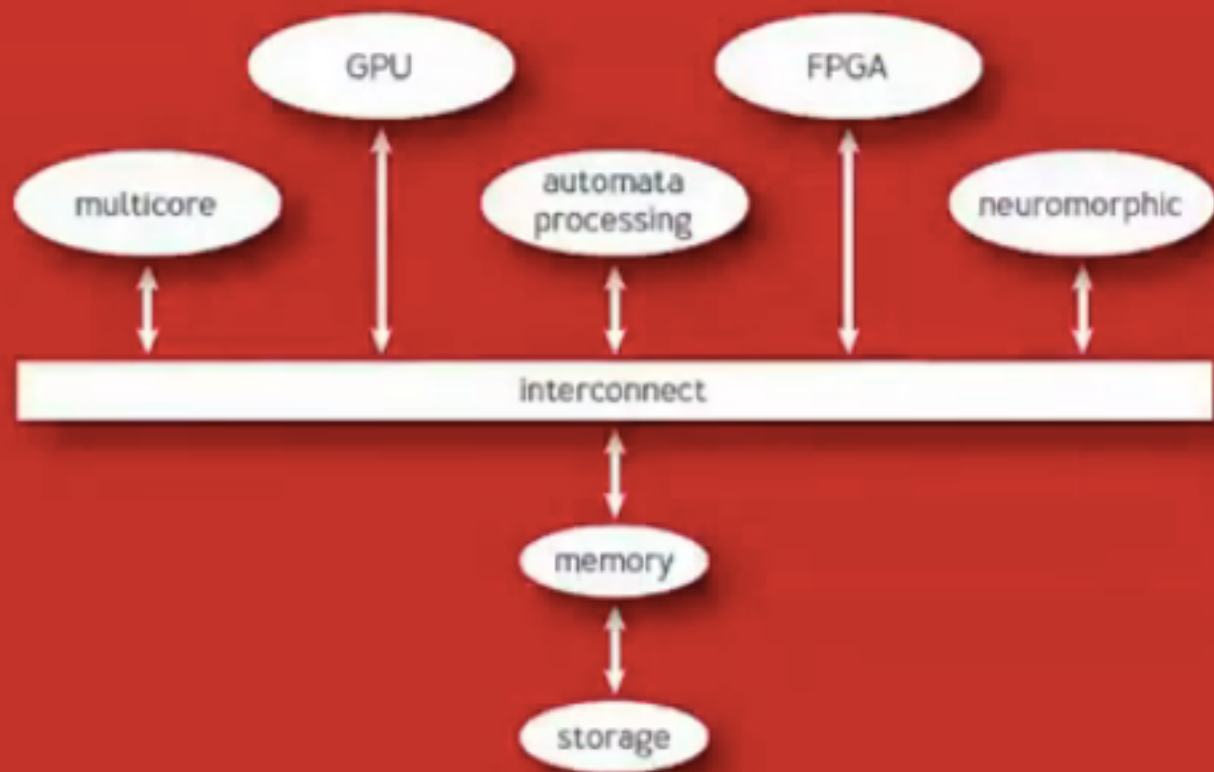 GENERIC HETEROGENEOUS SYSTEM