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EE Times 40th Anniversary: From 3-D chips to cognitive computing

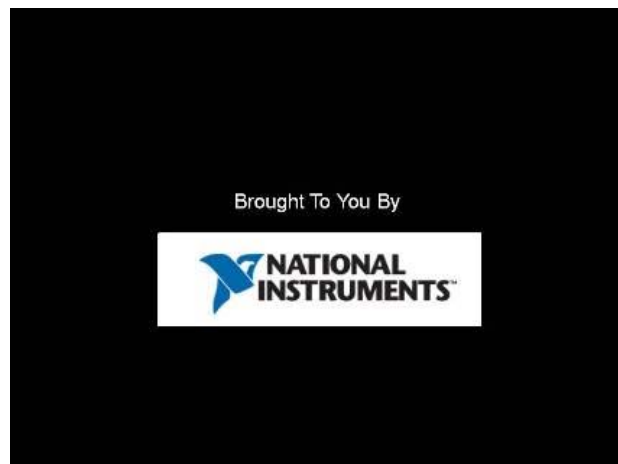
R. Colin Johnson

11/5/2012 4:22 PM EST

[EE Times is celebrating its 40th anniversary, with special articles to celebrate the innovators who made the electronics industry what it is today, as well as the visionaries who are taking it forward. Look for more stories and a special section, coming soon.]

We picked ten technologies representative of trends well as the way we expect to interact in an increasing dozens of other examples we could have chosen upon our choices.

A few software-related trends were included because We intentionally resisted including the deluge of “super popular uses of electronic devices.

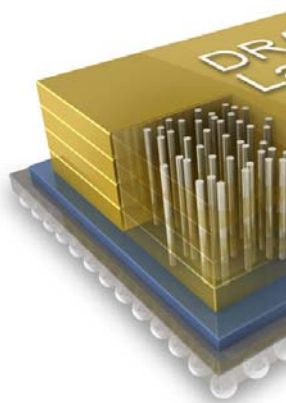


Some of the predictions here are controversial -- some tolerant. Remember that few agree on the shape of

include revolutionary changes nobody predicted.

Someday My 3-D Princess Will Come

3-D chips are one of those perennially "almost the commonplace by 2023. Between now and then the solves the same problems without the fabrication h die on a silicon substrate that rivals stacking die in them out side-by-side like a traditional PC board, c using through-silicon-vias (TSVs) will be common, developed by Micron. Initially the bottom logic laye Micron for stacking memory die. The HMC is being include Altera, ARM, HP, IBM, Micron, Microsoft, C



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Source: IBM

Next: Graphene to Supersede Silicon

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