



What I want to see at Embedded World 2016



Rory Dear, European Editor/Technical Contributor

"IoT", "M2M", and "Industrie 4.0" are a few obvious examples of the plethora of buzzwords I've little doubt I will be visually assaulted with as I meander around Nuremberg Messe's Embedded World 2016, the same as I was last year, and the year before that. These technologies generally fit into the category of "connected" or "connected devices". For me, Embedded World 2014 was when these connected-device terminologies really caught the imagination of exhibitors. Of course, as is the case with so many desperate to... [Continued...](#)

Advertisement

IoT? Developer Survey - Enter to Win 5 Development Boards

Linux: Not for license dodgers



Rory Dear, European Editor/Technical Contributor

Far more consideration than license cost is required for inexperienced would-be Linux migrators. Sadly, the response to most "Why are you considering Linux?" questions is rarely on its own merits and invariably "because it's free". Product designers often perceive Linux as exclusively an opportunity to circumvent (typically) Microsoft license costs from appearing on their bill-of-materials, with the apparently obvious conclusion that their product's sales price, or profit margins, will improve as a result. This is naturally disappointing, primarily as it demonstrates those approaching design... [Continued...](#)

Embedded World 2016: Advances in electronic displays



Rory Dear, European Editor/Technical Contributor

With a dedicated section showcasing innovation specifically relating to how most of us personally interface with an embedded system – a display – Embedded World 2016 promises to usher in a new era. Small self-emitting OLED displays requiring no backlight yet achieving high brightness and contrast ratios are increasingly finding themselves deployed into embedded solutions that previously could only justify basic character displays. Sunlight readability as ever lies high on the agenda, where a self-emitting solution removes the power and heat dissipation considerations many... [Continued...](#)

Embedded World 2016: Arms race of resistive and capacitive touchscreens gains new ammunition



Rory Dear, European Editor/Technical Contributor

Touchscreens are an embedded subsector that sees few incremental technology improvements; thus, announcements are typically restricted to fundamental changes in their modus operandi. Embedded World 2016 promises revelations that address the two fundamental pitfalls in both of today's popular types of touchscreen. The primary drawback of resistive touchscreens are, of course, their relative weakness to withstanding industrial operation, compared to their rival – capacitive. The announcement of a 9H hardness film, which is so thin it does not affect operation and accuracy and is... [Continued...](#)

Embedded World 2016: Key things to see at EW 2016



Rory Dear, European Editor/Technical Contributor

Welcome to this year's "What to see at Embedded World 2016" blog. Over the next two weeks I'll unveil fundamental advances in electronic design engineering and electronic displays, and review the touchscreen arms race (that appeared all but won) as resistive fights back against its widely understood superior, projected capacitive. I'll explore how we can truly secure arguably the widest connected infrastructure in history under IoT, locally and via networking. I'll delve into ultra-low-power EtherCAT networks powered for years on tiny batteries and present... [Continued...](#)

Annual reader survey: What are your preferences? The results are in.



Rich Nass, Embedded Computing Brand Director

The results are in. We asked you what your design preferences are, and you made it quite clear. I'm referring to the Annual Embedded Reader Study produced by Embedded Computing Design . We asked questions like "What IoT application are you focused on?" and "What programming language are you using?" and so on. There were 15 questions in all, and rather than go through them here, let's look at the results. I won't post all the responses here, but I'll provide the highlights. If... [Continued...](#)

Conflict Minerals legislation: A box ticking fallacy



Rory Dear, European Editor/Technical Contributor

Is conflict minerals legislation really enforceable, or a box ticking fallacy? And is it unconstitutional? Electronics manufacturers across the globe breathe sighs of despair as they open that email, one requesting guarantees of conformity of their product to the latest Conflict Minerals legislation. Those sighs are not reflective of any disagreement of the morality behind the legislation; one of course would find it incredibly difficult to argue for consciously funding civil wars and terrorism in war-torn developing countries, or the exploitation of vulnerable people.... [Continued...](#)

The Risks of Blurring Embedded, Industrial, and Desktop Systems



Rory Dear, European Editor/Technical Contributor

The lines between the once traditional separations of embedded and industrial computing blurred some years ago. The definitions once were as simple as computing that was "embedded" into a larger system, whereas industrial tended to dictate a standalone system. In those early days, the system invariably comprised a 19-in. rack or something comparable. This all changed when enclosed off-the-shelf embedded computers effectively became miniature industrial PCs and the historically power-hungry industrial PC solutions became increasingly environmentally conscious. Today, embedded and industrial computing are, to... [Continued...](#)

Watts new in wearables



Brandon Lewis, Technology Editor

Welcome to the Consumer Electronics Show! I'm excited to be heading back to one of the world's biggest tech bonanzas, and this time to have a print companion that proves I actually cover the technology there and don't just show up to play with cool new toys. At CES 2015, wearables were all the rage. In fact, most of the Sands Expo & Convention Center at The Venetian was dedicated to fitness trackers, health monitors, and early iterations of the smart watch, among other... [Continued...](#)

Post-project reviews: Developing a feedback mechanism



Rory Dear, European Editor/Technical Contributor

At the start of my customer-facing career I suffered from an eagerness to please and an avoidance of disappointing clients that today I still see repeated across all industries. Some would argue this is the very definition of customer service: a nod, an affirmative "Yes Sir", and then resolving well out of earshot any challenges in achieving what the client has requested. In the service industries, unless the client is asking Burger King to produce a Big Mac the client's requirement is typically of... [Continued...](#)

Social Media Updates:

FACEBOOK

TWITTER

LINKEDIN

INSTAGRAM

Contact the Editor:

Rory Dear

E-mail: rdear@opensystemsmedia.com

Twitter: [@RoryDear](https://twitter.com/RoryDear)

LinkedIn: [in/rorydear](https://in.linkedin.com/in/rorydear)

Interested in advertising? Contact Patrick Hopper

Click here to view this email as an HTML page.

Last updated: Wed, 17 Feb 2016 18:08:42 +0000

**For more embedded news, blogs and articles, visit
embedded-computing.com**

©2015 OpenSystems Media, LLC.

Thank you for reading this issue of the *Embedded Europe E-
newsletter*,

subject: "What I'd like to see, and what I'll definitely see, at
Embedded World 2016".