

EMBEDDED
OPEN SOURCE
SUMMIT

JUNE 27-30, 2023 | PRAGUE, CZECH REPUBLIC

2023 EVENT REPORT

Bringing Embedded Developers Together



EMBEDDED
LINUX
CONFERENCE



Zephyr[®] Project
Developer Summit



AUTOMOTIVE
LINUX SUMMIT
EUROPE

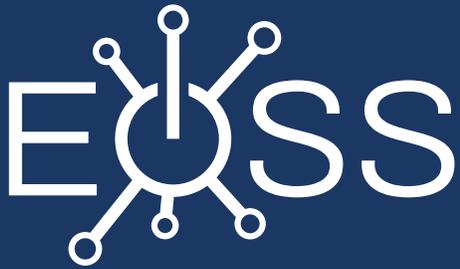


EMBEDDED
IOT SUMMIT



SAFETY-CRITICAL
SOFTWARE
SUMMIT

LF ENERGY
EMBEDDED SUMMIT 2023



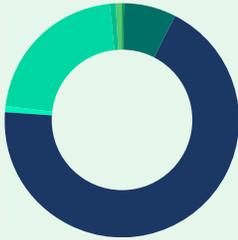
EMBEDDED OPEN SOURCE SUMMIT

Embedded Open Source Summit, a new umbrella event for open source embedded projects and developer communities, came together for essential collaboration, discussions, and education. EOSS was composed of 6 micro conferences including Embedded Linux Conference, Zephyr Developer Summit, Automotive Linux Summit Europe, Embedded IoT Summit, Safety-Critical Software Summit, and LF Energy Embedded Summit.

The event gathered **1,387** total attendees with **844** attending **in person** in Prague, from **375** organizations across **56** countries around the globe. **83% of attendees were in technical positions.**



Region



- **Africa 0.4%**

Nigeria	Uganda
South Africa	Tunisia
- **Asia 7.1%**

China	Sri Lanka
India	Taiwan
Japan	United Arab Emirates
Republic of Korea	Vietnam
Singapore	
- **Caribbean 0.1%**

Cuba	
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- **Central America 0.1%**

Belize	Costa Rica
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- **Europe 68.5%**

Austria	Israel
Belgium	Italy
Bosnia and Herzegovina	Netherlands
Bulgaria	Norway
Croatia	Poland
Czech Republic	Portugal
Denmark	Romania
England	Serbia
Finland	Slovakia
France	Slovenia
Germany	Spain
Greece	Sweden
Hungary	Switzerland
Ireland	Ukraine
	United Kingdom
- **Middle East 0.9%**

Cyprus	Turkey
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- **North America 21.4%**

Canada	United States Minor
Mexico	Outlying Islands
USA	
- **Oceania 0.8%**

Australia	New Zealand
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- **South America 0.7%**

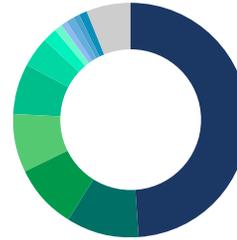
Brazil	Uruguay
Chile	

Job Level



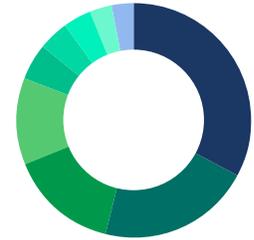
- Individual Contributor **46%**
- Manager **12%**
- Academic **5%**
- Director **4%**
- CXO / ED **4%**
- VP / SVP / GM **2%**
- Other **27%**

Job Function

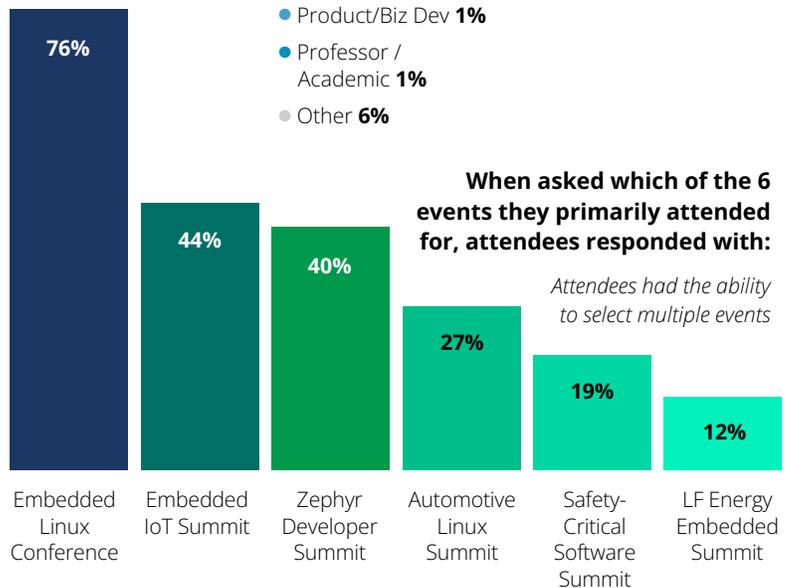


- Systems/Embedded Developer **49%**
- Kernel/Operating Systems Developer **10%**
- Application Developer [Front-end/Back-end/Mobile/Full Stack] **9%**
- Architect **8%**
- Manager - Technical Teams **7%**
- Executive Leader **4%**
- Manager - Other **2%**
- Student **1%**
- DevOps/SRE/Sysadmin **1%**
- Marketing **1%**
- Product/Biz Dev **1%**
- Professor / Academic **1%**
- Other **6%**

Industry



- Information Technology **33%**
- Industrials **21%**
- Automotive **15%**
- Professional Services **12%**
- Consumer Goods **5%**
- Health Care **4%**
- Telecommunications **4%**
- Energy **3%**
- Non Profit Organization **3%**



Content

The event included over **180 talks** across the **6 micro conferences** that made up the event. These talks included keynote and breakout sessions, lightning talks, tutorials, and live virtual speaker office hours.

Top Attended Sessions

- Status of Embedded Linux - Tim Bird, *Sony Electronics*
- Recent Advances in U-Boot - Simon Glass, *Google Inc.*
- Toolchain Options in 2023: What's New in Compilers and Libcs? - Bernhard Rosenkränzer, *BayLibre*
- Finding the Best Block Filesystem for Your Embedded Linux System - Michael Opdenacker, *Bootlin*
- Fearless Embedded Rust - Martin Mosler, *Zuehlke Engineering AG*
- Yocto Project/OpenEmbedded Meets Security - Marta Rybczynska, *Syslinbit*
- Building an Open Source Smartwatch Using Zephyr - Jakob Krantz, *u-blox*
- Kernel Locking Engineering - Daniel Vetter, *Intel*
- Setting up Yocto Layers and Builds with Official Tools – 2023 Edition - Alexander Kanavin, *Linutronix*
- Why Are GPUs (Not) Fast - A Trip Through the Driver Stack - Lucas Stach, *Pengutronix*

Session Recordings

All Embedded Open Source Summit sessions were recorded and available on [The Linux Foundation YouTube Channel](#).

Sponsor Showcase

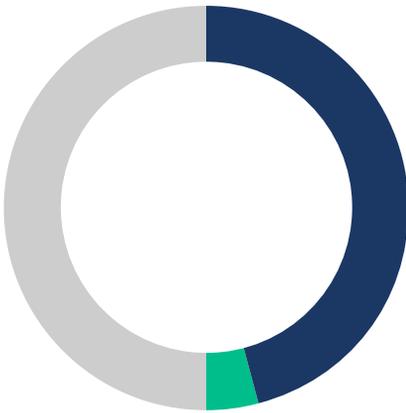
Embedded Open Source Summit hosted **31** exhibit booths in the sponsor showcase.

- Average in-person badge scans: **61**
- Highest in-person badge scans: **177**
- Total in-person badge scans: **1,156**



Diversity

Gender Identity



- Man **45.8%**
- Woman **4.1%**
- Other Gender Identity **0.3%**
- Prefer not to answer **49.8%**

Identifies as a person of color



- Yes **4.3%**
- No **40.5%**
- Prefer not to answer **55.2%**

Age



- 0-19 **0.3%**
- 20-39 **29.1%**
- 40-60 **22.4%**
- 61+ **0.9%**
- Prefer not to answer **47.3%**

**These are optional questions on our registration form that also include 'prefer not to answer' as an option, or can be skipped entirely, thus these numbers may be higher than reflected here.*





Community Support

To encourage and increase the participation of a diverse community, The Linux Foundation offered diversity and need-based registration scholarships and travel funding for the event this year, providing **\$15,445** in funding for:

- **18** Diversity Scholarships
- **8** Need-Based Registration Scholarships
- Awarded **3** Diversity Travel Scholarships
- Awarded **6** Need-Based Travel Scholarships

Social Media Highlights

Twitter

- From June 20 - July 4, 2023, Embedded Open Source Summit's hashtag #EmbeddedOSSummit amassed 708,683 impressions, 1,163 mentions, and 1,627 interactions.

LinkedIn

- From June 20 - July 4, 2023, The Linux Foundation's LinkedIn page increased by 2,430 followers for a total of 280,531. Posts made to our page have garnered 154,944 impressions, leading to 3,414 unique visitors and 7,952 unique page views.

Media & Analyst Results

The following media registered to attend and cover Embedded Open Source Summit:

- Tam Hanna, **Tamoggeon Holding K.S.**
- Jake Edge, **LWN.net**
- Annette Bosbach, **Tamoggen Holding K.S.**
- Andi Lustak, **Independent PR Consultant**
- Alix Paultre, **Endeavor Business Media**
- Marco Cavallini, **KOAN**
- Alfred Monterie, **Computable**



