



CAMARA
THE TELCO GLOBAL API ALLIANCE

Huawei CAMARA Industry Promotion

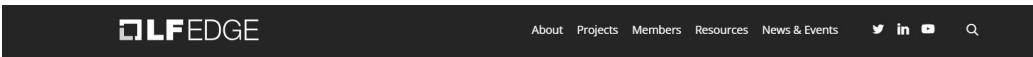
Shuting Qing
HUAWEI

Linux Foundation Edge Akraino Summit 2023 Spring



LFE Akraino Summit 2023

Linux Foundation Edge Event in March



Akraino Blog

Akraino and CAMARA Communities Join Forces to Boost API Integration in Edge Computing

By LF Edge | March 31, 2023 | No Comments

At the Hefei High-tech Integrated Circuit Incubation Center in Anhui Province, a panel discussion moderated by Guanyu Zhu from Huawei's Cloud Network OSDT team brought together experts from the [Akraino](#) and [CAMARA](#) communities, along with industry professionals, to explore the significance of APIs in edge computing and the potential for collaboration between the two communities. Prominent panelists included Tina Tsou, LF Edge Board Chair, Leo Li from Akraino TSC, Gao Chen, the senior engineer from China Unicom, and Shuting Qing, the open-source ecology expert from Huawei's Cloud Network OSDT.



Shuting Qing provided insights into the origins of the CAMARA project, explaining that "Capability exposure aims to encapsulate these capabilities into a simple interface and expose it to developers for everyone to use." CAMARA is a vital initiative designed to generate new revenue streams for European operators that have made substantial investments in 4G/5G networks. Qing emphasized the need to clarify the value scenarios and focus on monetization.

Leo Li discussed Akraino's eagerness to collaborate with emerging communities like CAMARA, emphasizing the need for standardized edge computing hardware modules and the adoption of novel hardware interface technologies such as Ethernet, PCIe, and UCIe. Li highlighted the importance of integrating standardized hardware with an API-based business development model, stating, "We hope to further enhance the business flexibility of operators while promoting hardware standardization, and reduce costs and power consumption through standardization in conjunction with the trend of service APIization."



CAMARA
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- ✓ First time CAMARA appears in Summit in China
- ✓ Round-Table Topic For CAMARA
- ✓ Attendee:
 - ✓ Chair of LFE Board: Tina Tsou
 - ✓ Akraino TSC: Leo Li
 - ✓ China Unicom Senior Specialist: Gao Chen
 - ✓ Huawei Industry Senior Engineer: Shuting Qing
 - ✓ Huawei Industry Engineer: Guanyu Zhu

<https://www.lfedge.org/2023/03/31/akraino-and-camara-communities-join-forces-to-boost-api-integration-in-edge-computing/>

LFE Akaino Summit 2023



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Linux Akaino and CAMARA Communities Discuss Teaming Up to Improve API Integration Capabilities in Edge Computing

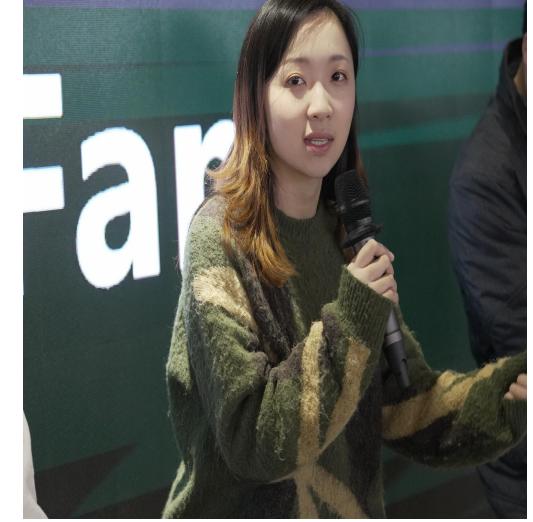
original LEO Socnac 2023-03-31 09:37 Published in Hubei

Included in collection
#linux 1 #lfedge 1 # edge computing 1 #Akaino 1

On March 29, 2023, at a panel discussion held at the High-tech Integrated Circuit Incubation Center in Hefei, Anhui Province, Guanyu Zhu from the Huawei Cloud Network OSDT team moderated a discussion with experts from the Linux Akaino and CAMARA communities, as well as industry professionals. The importance of APIs in edge computing and the potential for collaboration between the two communities are explored. Well-known panelists include Chairman Tina Tsou from LF Edge, Dr. Li Fu, a TSC member from Akaino, Dr. Chen Gao, a senior engineer from China Unicom, and Qing Shuting, an open source ecology expert from Huawei Cloud Network OSDT.



Qing Shuting introduced the origin of the CAMARA project, explaining that "capabilities openness aims to encapsulate these capabilities into a simple interface and expose them to developers for everyone to use." CAMARA is a vital initiative aimed at Creating new revenue streams for European operators



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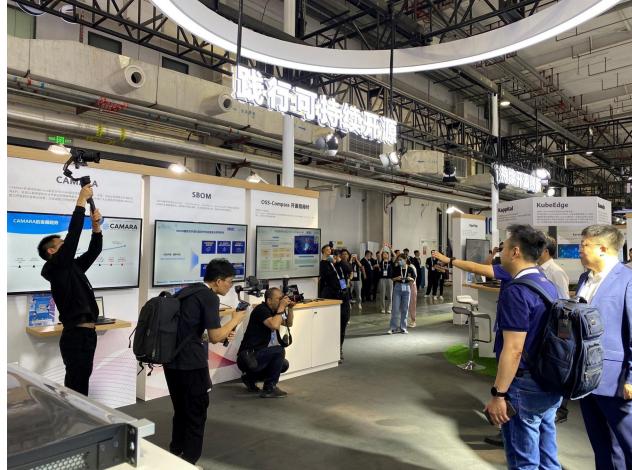
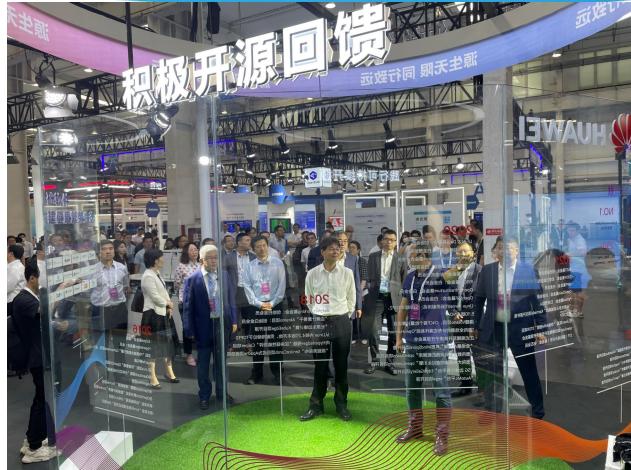
Guest Lecture

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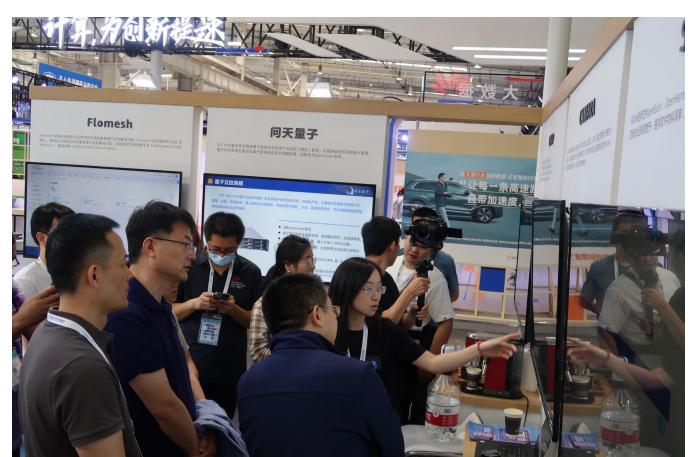
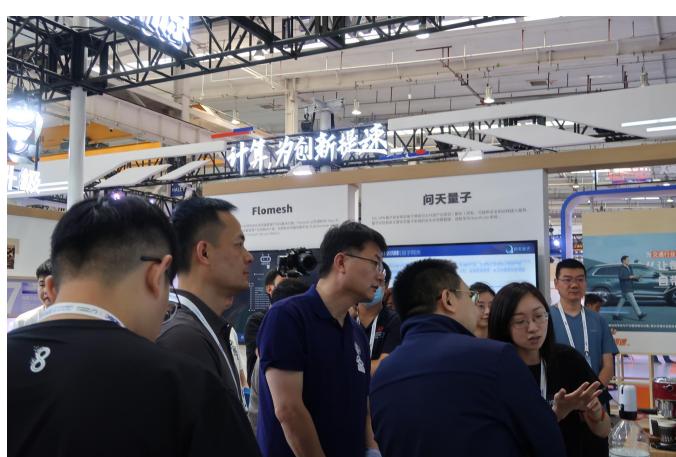
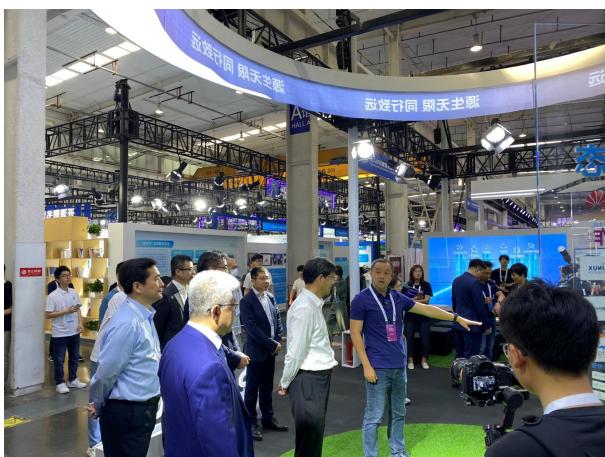


CAMARA

THE TELCO GLOBAL API ALLIANCE



- ✓ Most High-Level Open Source Summit
- ✓ Most Influential Open Source Summit
- ✓ Visited by Ministry of Industry and Information Technology Leads
- ✓ We promoted CAMARA, CAMARA alignment with SDOs, Business Value of Capability Exposure and so on.
- ✓ **Co-hosted by Huawei, China Mobile, China Telecom, and China Unicom!**

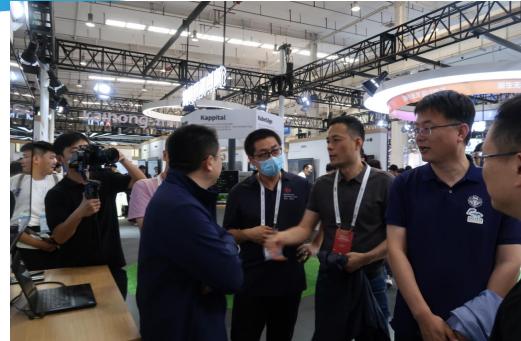


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CAMARA

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Huawei and the three major operators jointly build the CAMARA capability open up the future

The 2023 Open Atom Global Open Source Summit was successfully held from June 11th to 13th at the Eichuang International Convention and Exhibition Center in Beijing. Focus on the latest developments in the global open source ecosystem and cutting-edge technology trends. Ma Huabing, Chief Expert of Huawei Cloud Network Open Source Chain Security, and Wang Jia, Chief Expert of Huawei Cloud Network Open Source Industry Ecological Development, were invited to attend the round table salon of this summit's software bill of materials sub-forum and open source innovation theory and practice sub-forum respectively.



CAMARA Community Appears at Open Atom Global Open Source Summit 2023, Huawei Joins Hands with Three Domestic Operators to Build Capabilities and Open the Future

This year at MWC, GSMA and 21 global operators jointly released the Open Gateway plan, and the CAMARA community is an important foothold of the Open Gateway plan. The community focuses on the definition of northbound interfaces for capability exposure, aiming to simplify the complexity of 4/5G network calls and define atomic APIs. There are currently 12 APIs and 3 Working Groups in the community, and 203 companies including Huawei have joined the CAMARA community.

CAMARA社区亮相2023开放原子全球开源峰会，华为携手国内三大运营商共建能力开放未来

2023开放原子全球开源峰会于6月11日至13日在北京市经济开发区亦创国际会展中心成功举办。本次峰会以“开源赋能、普惠未来”为主题，全面展示了源技术应用，聚焦全球开源生态最新发展和前沿技术动态。此次华为、中国移动、中国电信、中国联通三大运营商代表出席并发言，共同为CAMARA社区产业发展及未来发展贡献力量。

今年MWC, GSMA联合21家全球运营商共同发布了Open Gateway计划，而CAMARA社区是重要支撑点。社区主要围绕4/5G网络通用的南北向接口定义以及原子化的APIs。目前有12个APIs和3个WG在社区内，包括华为在内的203家公司已经加入了CAMARA社区。

作为国内CAMARA社区的先行者及参与者，华为构建国际影响力，助力5G生态繁荣的愿景。今年，华为团队邀请了国内三大运营商代表一起一堂，共同探讨发展与挑战。

The 2023 Open Atom Global Open Source Summit was successfully held at the Eichuang International Convention and Exhibition Center in the Beijing Economic Development Zone from June 11th to 13th. The theme of this summit is "Open Source Empowers and Inclusively Benefits the Future" and fully demonstrates the application of open source technologies. Focus on the latest developments in the global open source ecosystem and cutting-edge technology trends. This time, Huawei's cloud network open source industry and ecological development team set up a booth on behalf of the CAMARA open source community in the exhibition area of the summit, and invited the three major operators in China to jointly contribute to the industry and ecological development of the CAMARA community.

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More than 23 Media posted CAMARA!

Huawei's cloud-based network makes a wonderful appearance at the 2023 Open Atom Global Open Source Summit Roundtable Forum

The 2023 Open Atom Global Open Source Summit was successfully held from June 11th to 13th at the Eichuang International Convention and Exhibition Center in the Beijing Economic Development Zone. Focus on the latest developments in the global open source ecosystem and cutting-edge technology trends. Ma Huabing, Chief Expert of Huawei Cloud Network Open Source Chain Security, and Wang Jia, Chief Expert of Huawei Cloud Network Open Source Industry Ecological Development, were invited to attend the round table salon of this summit's software bill of materials sub-forum and open source innovation theory and practice sub-forum respectively.

Roundtable Salon: Building the First Line of Defense for Software Supply Chain Security —— S BOM Practical Discussion

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China Telecom and Huawei



China Mobile and Huawei



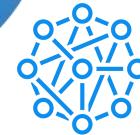
China Unicom and Huawei



China Unicom and Huawei

Thanks for Our Joint Efforts!!
We Made It!

OAGS 2023 Welcome Video



CAMARA
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Markus Kümmerle
德国电信 CAMARA社区经理 CAMARA社区初创成员

欢迎加入 CAMARA
please join and welcome in CAMARA



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Thanks Markus, for your great support!

Looking Forward to Next Journey



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We'll continue promoting CAMARA in the industry.
And please feel free to contact me, if you want us to
help promote anything in next events.

qingshuting1@huawei.com

Thanks