

MEC Hackathon 2019 • CHINA

Huawei R&D Center, Shenzhen
18 September, 2019

Call for Edge Computing Developers for 5G

*Develop advanced mobile applications for New Business Opportunities
in ETSI MEC-enabled 5G networks*

MEC Hackathon 2019 • China

Huawei R&D Center,
Sept 18, 2019 / Shenzhen

[Read more](#)



Enter your team in this competition today!

You are invited to develop applications with unparalleled user experience, productivity enhancements for the mobile edge of the 5G era with ETSI MEC technologies.

Entry submission deadline: 8th August 2019

Shortlist Notification: 20th August 2019

Organized by Huawei, CCSA, SDN/NFV/AI
Hosted by Huawei, China Mobile, China Unicom, China Telecom
Endorsed by ETSI

Notes:

- *As space is limited, only a selected number of teams will be admitted to the competition.*
- *At the end of the competition, prizes by the Organizing Committee will be awarded to the winning teams.*

MEC Hackathon – The challenge

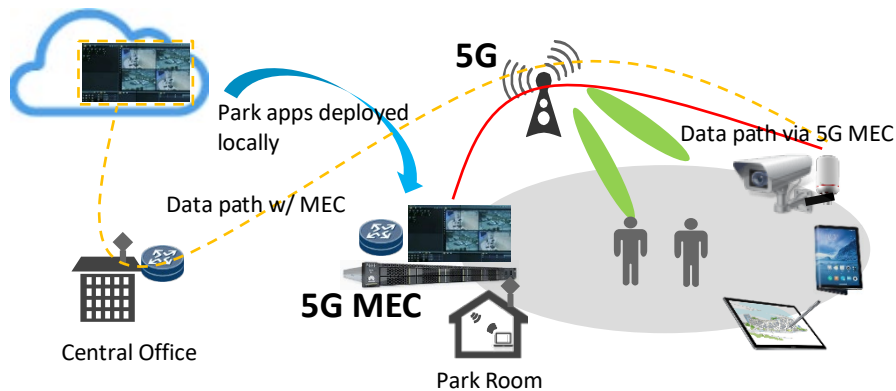
- 5G is ON. The 5G development efforts are accelerating at unprecedented speed. Leading global operators are rolling out trials and commercial 5G deployments at an ever increasing pace. Rich business scenarios such as Smart campuses, Cloud VR/AR, Autonomous vehicles, raise the challenge to meet the requirements for ultra-low latency, high bandwidth and guaranteed reliability, combined with the high-speed mobility. All said scenarios ask for network capabilities with dynamic connectivity, local processing and powerful computing

91% of today's data is created and processed inside centralized data centers, by 2022 about 75% of data will need analysis and action at the edge.

*[Excerpt from IT research firm Gartner: [What Edge Computing Means for Infrastructure and Operations Leaders](#)
IDC predicts that due to the infusion of data into our business workflows and personal streams of life, that nearly 30% of the Global Datasphere will be real-time by 2025.*

[Excerpt from IDC Whitepaper: [The Digitization of the World From Edge to Core](#)]

- Participating teams in the MEC Hackathon are invited to develop innovative and exciting applications that utilize ETSI MEC technologies.¹ The scope of the challenge is broad to encourage innovative ideas in utilizing MEC and edge performance. Examples of the application scenarios include Cloud VR/AR and typical connected vehicle / autonomous driving use cases.²



- Teams will learn and exploit the ETSI MEC APIs running on the MEC Hosts at the competition (e.g. Radio Network Information API, Location API).³
The teams will also have an opportunity to demonstrate the edge deployment related performance enhancements of their applications in a 5G POC network and testbed (e.g. throughput improvements, latency reduction, security features).
- Teams are free to choose a specific challenge adhering to the industry vertical segment applications including but not limited to:

• Smart campus	• Cloud VR/AR/Gaming	• Smart grid
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¹ Please refer also to the white paper “Developing software for MEC”, available [here](#).

² Examples of automotive use cases: http://5gaa.org/wp-content/uploads/2017/12/5GAA_T-170219-whitepaper-EdgeComputing_5GAA.pdf

³ For more background information on the ETSI MEC standard (including MEC architecture and MEC APIs), you can check the specification tab at this URL: <http://www.etsi.org/technologies-clusters/technologies/multi-access-edge-computing>

<ul style="list-style-type: none"> Automotive and cooperative vehicles 	<ul style="list-style-type: none"> Robotics and factories 	<ul style="list-style-type: none"> CDN / Media and entertainment vertical
<ul style="list-style-type: none"> Mobile health and telemedicine 	<ul style="list-style-type: none"> Multi-party real-time communication 	<ul style="list-style-type: none"> UAV surveillance video

- Teams are encouraged to reuse their existing or past projects and apply/adapt for the present Hackathon.
- For any further technical questions, please visit the dedicated Q&A web page on the event website.

MEC Hackathon – Team submission guidelines

- Team size:** 4 members (maximum)
- Submissions should be sent to MecHackathon@huawei.com using the submission form (link below). They should include a description of the idea and the intended use of the MEC APIs and the value of edge computing for the application. Also information on intention to reuse / integrate code from past activities or other projects / prototypes / products is welcome. A short CV for each team member should be included as well. Any complementary material (e.g. short video clips) related to the idea is welcome.

IMPORTANT: Submissions should clearly state how the team intends to use ETSI MEC APIs (available at <https://forge.etsi.org/>). NOTE: whilst the use of MEC service APIs is not mandatory, teams are encouraged to utilize them.

- Entry submission due date: 8th August 2019**
Submissions will be evaluated by the Hackathon Organizing Committee based on various criteria, e.g. relevance to the Call for Developers, assessed relevance of the 5G MEC, usage of MEC APIs, composition of the team, level of maturity of the project.
- The shortlisted teams will be notified by 20th August 2019. Participants selected for the competition will be also admitted to join the Huawei 5G MEC Application Mall.
- Cost:** The submission is free of charge, as well as the Hackathon attendance for the selected teams; Organizer is not responsible for reimbursing travel expenses.
- Venue:** Huawei R&D Center, Shenzhen. Hackathon: Wednesday **18th Sept** 9:00AM to 6:00PM
- At the end of the competition there will be an **award ceremony**, where the Organizing Committee have organized a number of **prizes**:
 - The winning projects directly enter the existing network for pre-commercial pilot projects
 - The winning projects will be invited to expand to the global market and will be recommended to global operators.
 - The winning projects will be directly selected into Huawei MEC Application Mall, displayed and promoted on Huawei website and in various media channels and communication industry exhibitions.
 - Mobile phones to the members of the Top3 Teams.
 - Trophies and certificates for all teams.

All the prizes are sponsored by HUAWEI.

- DOWNLOAD the SUBMISSION FORM here :**
<https://developer.huaweicloud.com/competition/competitions/1000000135/introduction>

For further information, please visit the website:

<https://developer.huaweicloud.com/competition/competitions/1000000135/introduction>

Or contact us at MecHackathon@huawei.com

Good luck and we hope to see you at the 2nd MEC Hackathon 2019 in Shenzhen!

The MEC Hackathon Organizing Committee.

