



2nd 5GCity Hackathon in Lucca Hack the 5G City

A New Era of City Services on 5G
Great Results!

The poster is for the "5GCity Hackathon Lucca". It features a central illustration of a person with dark hair, wearing a blue shirt and yellow shoes, sitting on the ground and holding a smartphone. To their right is a large, stylized "5G" in pink and green. The background is a mix of light blue and pink. In the top left corner is the 5GCity logo and social media links: "www.5gcity.eu" and "@5gcity". In the top right corner, it says "Project Funded" with logos for the European Union and "5G PPP". The main text reads "HACK THE 5GCITY: A NEW ERA OF CITY SERVICES ON 5G". Below this, it says "5GCity HACKATHON LUCCA". To the right of the hackathon name, it says "21-22 NOVEMBER 2019". Further right, it says "CO-LOCATED WITH ETSI-OSM#8 HACKFEST 18-22 NOVEMBER 2019".

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Project Funded
European Union
5G PPP

HACK THE 5GCITY: A NEW ERA OF CITY SERVICES ON 5G

5GCity
HACKATHON
LUCCA

21-22
NOVEMBER 2019

CO-LOCATED WITH
ETSI-OSM#8 HACKFEST
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PRESS RELEASE

Nov. 22, 2019 – Lucca – The [5GCity Consortium](#) has organized its 2nd **5GCity Hackathon** in the suggestive location of Real Collegio in Lucca (Tuscany).

The 5GCity project, that will be concluded in March 2020, has focused on live demonstration of 5G services in three cities going through digital transformation: Bristol, Barcelona, Lucca. Through the 5G management and orchestration platform and a powerful Service Development Kit (SDK) the consortium offered access to a rich set of primitive functions for network and vertical application services which can be used to programme connectivity with QoS, media acquisition and transcoding, traffic monitoring in the new NFV infrastructures for 5G.



Source: CoDi

5GCity 2nd HACKATHON

The purpose of the 5GCity Hackathon in Lucca was to demonstrate in operational conditions, using the 5GCity platform and the neutral host concept, to turn a city-infrastructure into a distributed and multi-tenant edge infrastructure by relying on the 5GCity orchestration platform, based on OSM, to manage and orchestrate (NFV + MEC) end-to-end services and creating programmable and on demand network slices. To the teams we explained...

What we are looking for....



Innovative practical solutions that
reflect your abilities in defining a
Concept, doing **Implementation**,
Presentation to generate
Business impact!

TEAM WORK



Source: CoDi

At the 5GCity Hackathon in Lucca, a group of ten people, from different background had participated at the event; at the end three work-teams were formed:

- 1- The **MECPerf Team** with two members was formed by: a researcher from Pisa [IIT CNR](#) and a majoring PhD from Pisa University computer engineering department [UNIPI](#).
- 2- The **Mediacrowd Team** formed by three members: a student from the state university of Milan-intership at [Cefriel](#) from Politecnico di Milano, a student of strategic management from Luiss-intership at [Rai-Crits](#) and journalist, director and editor from [LuccainDiretta](#).
- 3- The **Hastega Team**, the biggest group, its five young members were all from the Lucca computer engineering study [Hastega](#) that maximizes investment in Start-ups through Consulting and Development services.

Team Composition & 5GCity Tutors:

Hacking Teams



Team name	Members	5GCity tutor
MECPerf	<ul style="list-style-type: none"> • Valerio Luconi • Chiara Caiazza 	Teodora Sechkova
Mediacrowd	<ul style="list-style-type: none"> • Simone Grilli • Andrea Majoli • Enrico Pace 	Adriana Fernández
Hastega	<ul style="list-style-type: none"> • Giacomo Agostini • Claudio Musto • Andrea Della Maggiore • Marco Patti • Alessandro Butera 	Apostolos Papageorgiou

CHALLENGES

The three teams after an intense work done on concrete abilities and competences had decided to work on the following challenges:

1 - **MECPerf**: Measured and provide to MNOs and service providers network and application KPIs of the 5G infrastructure (edge/cloud) in compliance with the ETSI MEC Metrics Best Practice Guidelines.



Source: CoDi

2 - **MediaCrowd**: An application that provides real-time information allowing the public administration to be able to effectively manage all the accessory services. With 360° video of crowded events, that cannot participate, can enjoy virtual experience after the event.



Source: CoDi

3 - **Hastega**: Plethos a crowd manager solution to improve residents and visitors parking problems, help traffic security and first aids assistance, improve municipalities waste management during crowded events in the city.



Source: CoDi

AND THE WINNER IS!



1st Prize – MECPerf: Valerio Lucconi & Chiara Caiazza



Source: CoDi

2nd Prize – MediaCrowd: Simone Grilli, Andrea Majoli, Enrico Pace



Source: CoDi

3rd Prize – Hastega: Giacomo Agostini, Claudio Musto, Andrea Della Maggiore, Marco Patti, Alessandro Butera



Source: CoDi

Prizes



300 € in gift cards
1x Visitor pass to 4YFN2020



600 € in gift cards
2x Visitor passes to 4YFN2020



100 € in gift cards
1x visitor pass to 4YFN2020

Thank you to all participants and our fantastic 5GCity partners for the great experience, collaboration and support in order to realize this exciting and important Hackathon!



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5G PPP
PUBLIC-PRIVATE PARTNERSHIP
<https://5g-ppp.eu>

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5GCity Consortium

