

Rohde & Schwarz Engineering Competition 5G Broadcast

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#rscompetition

Rohde & Schwarz Engineering Competition

5G Broadcast

Do you study computer science/electrical engineering and are interested in data?

Together with your team you can dive deep into the 5G Broadcast technology that changes the way we consume content mobile on the go. You and your team are competing in an online data challenge against teams from Germany, Singapore, the US, Czech, Switzerland and Austria. Does your algorithm book the ticket for the finals in Munich?

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Registration

This years task

Win a trip to Munich & up to
USD 3,000!

- Did you ever face the situation that you are streaming a football game, and at the most critical moment, like a penalty shoot-out, your stream needs to buffer? Or have you experienced that annoying short message your network provider sends to you, a week before the end of the month, saying you have used 80% of your data cap? At least, if you are living in Germany you know it.
- **5G Broadcast** is a revolutionary technology. The potential to broadcast content to a mobile device would render data plans obsolete, as consumers would no longer need them to be able to stream content on their mobile devices. Instead, the newly designed 5G chips in your smartphones are recognizing **that the content is made available for mass consumption**, and switches the reception channel. Hence, you **get an improved Quality of Experience (QoE) while having no costs of using your own data plans**.
- The challenge however, is to **efficiently use the 5G Broadcast network for content that is in high demand and optimize the consumers requests by minimizing the amount of unsatisfied consumer demands**. In this year's challenge, we provide you with a **5G Broadcast Network Dataset**, and challenge you to use machine learning to minimize the unsatisfied user request and to improve the QoE for most of the users.



R&S Engineering Competition 2019 – general information

Online Challenge

from 26th of April to 19th of May

- **Registration** via www.engineering-competition.com
- Build a team: 3 to 5 persons
- Students with **completed second year / fourth semester** are recommended but earlier years/semesters are possible
- Students majoring: **electrical engineering or software engineering/development**, ideally with specialization in communication engineering
- **Challenge platform:** upload your solution to a specific platform and get a live ranking on your team position
- Best teams will be invited to the **finals in Munich** and get the chance to win up to **USD 3,000!**

Finals

from 5th of June to 7th of June

- 3 day event at the R&S Headquarter in Munich
- Final challenge has to be completed
- Best Team wins **USD 3,000!**
- **Cost for accommodation and catering are covered by Rohde & Schwarz**

Registration via
www.engineering-competition.com



Why to participate?

- Gain practical experience
- Compete against international teams
- **Win a trip to Munich!**
- Win up to **3.000 USD** per Team



Find all further details & registration at www.engineering-competition.com

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