DIGITAL INNOVATION CHALLENGE

as part of

#INFORMATIK 2021

COMPUTER SCIENCE & SUSTAINABILITY
27.09. - 01.10.2021
INFORMATIK 2021

INFORMATIK 2021 is the official annual conference of the German Informatics Society (GI). It brings together more than 2,000 experts and young talents in 2021 - together with EnviroInfo 2021, KI2021 and SKILL 2021 - hybrid in Berlin and online.
The DIGITAL INNOVATION CHALLENGE 2021

- Highly motivated students of computer science, mathematics, statistics, physics, mechanical engineering, electrical engineering & socioinformatics develop innovative (and sustainable) software solutions to the defined challenges of the corporate partners within the framework of INFORMATIK 2021.

- Within 24 hours, teams of 3-5 participants develop executable software solutions and present them in a screencast.

- The challenges are specific tasks that are to be solved by software and which should contribute to the United Nations Sustainable Development Goals (SDGs).

- The best three teams will receive cash prizes totaling 3,000 euros.
Timeline of the DIGITAL INNOVATION CHALLENGE

- **Announcement of the challenges**
  - 01.09.

- **Start of registration for students**
  - 01.09.

- **Presentation of the challenges on the Main Stage**
  - Tue, 28.09.

- **Students work on challenges**
  - Wed, 29.09.

- **Jury evaluates solutions regarding:**
  - Level of innovation
  - Quality
  - Presentation
  - Sustainability potential
  - Thu, 30.09.

- **Award ceremony & presentation of the top 3 teams**
  - Thu, 30.09.
The jury

- Professor Dr. Alexander Mädche, KIT (Head of jury)
- Dr. Marina Köhn, German Environment Agency
- Luise Kranich, FZI /Berlin
- Professor Dr. Alexander Paar, University of Cooperative Education Schleswig-Holstein /informatiCup
- Johannes Nicolai, Github
Evaluation criteria

- Quality of the software (30%)
- Innovation value of the solution (30%)
- Sustainability potential (30%)
- Presentation in the screencast (10%)
Benefits of the DIGITAL INNOVATION CHALLENGE

✓ The DIGITAL INNOVATION CHALLENGE offers the opportunity of networking between companies and students within the framework of INFORMATIK 2021.

✓ The company partners have the opportunity to present themselves in an innovative environment and to get to know highly motivated students in great detail.

✓ Students are given the opportunity to solve a real software problem together with the challenge partners and thus gain insights into the partners' work areas, fields of activity and corporate culture.
The Challenges 2020

✓ In 2020, over 60 students participated in six challenges.

✓ The following challenges were offered in 2020:

1. A tech solution to enable greener and more resilient cities
2. Hacking for a better world
3. Corporate Electric Carsharing
4. Quantum Computing Challenge with Qiskit
5. Data Anonymization: Detect personally identifiable information in semi-structured business documents
6. When Bots Learn to Lie: Development of a Bot for the Dice Game Mäxchen

The Partners of the Challenge 2020