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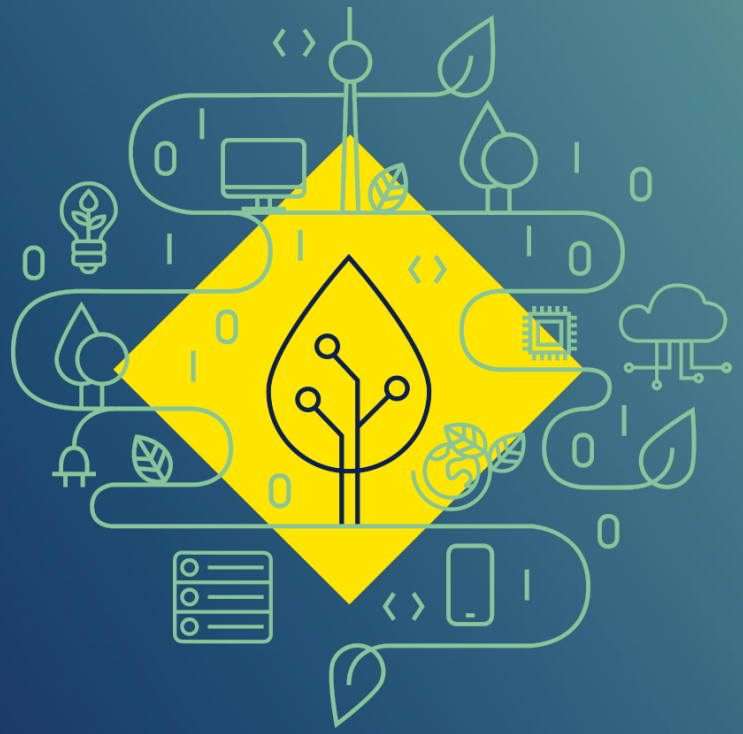
DIGITAL INNOVATION CHALLENGE

as part of



#INFORMATIK 2021

COMPUTER SCIENCE
& SUSTAINABILITY
27.09. – 01.10.2021

INFORMATIK 2021

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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

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- ✓ 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

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01.09.	01.09.	Tue, 28.09.	Wed, 29.09.	Thu, 30.09.	Thu, 30.09.
Announcement of the challenges	Start of registration for students	Presentation of the challenges on the Main Stage	Students work on challenges	Jury evaluates solutions regarding: • Level of innovation • Quality • Presentation • Sustainability potential	Award ceremony & presentation of the top 3 teams

The jury

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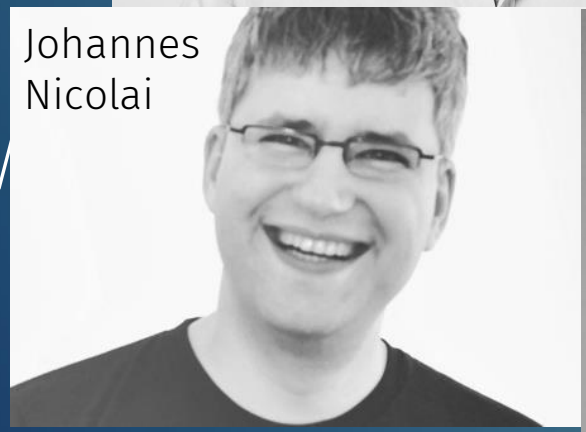
- Professor Dr. Alexander Mädche, KIT (Head of jury)
- Dr. Marina Köhn, German Environment Agency
- Luise Kranich, FZI /Berlin
- Professor Dr. Alexander Paar, University of Cooperative Education Schleswig-Holstein / informatiCup
- Johannes Nicolai, Github



Evaluation criteria

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- 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

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- ✓ 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

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- ✓ 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

More about the Digital Innovation Challenge 2020 here on Youtube.

The Partners of the Challenge 2020

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Challenge Accepted?

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Alexander Scheibe

Tel: +49 163 524 37 35
Mail: alexander.scheibe@gi.de

Paula Böhme

Telefon: +49 (0) 159 064 879 87
E-Mail: paula.boehme@gi.de

In collaboration with

FACHBEREICH KÜNSTLICHE INTELLIGENZ

FACHAUSSCHUSS UMWELTINFORMATIK

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