IEEE CS Global Student Challenge (GSC-21)

Saurabh Bagchi
Organizing Committee Chair
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Financial Sponsor

King Abdullah University of Science and Technology
What it was

- Competition open to students all over the world
- Students in teams submitted software packages to solve two data analytics problems
  - 250 registered teams from 41 countries, 195 universities
- Judged by a team of CS volunteers, academics and industrial representatives
- Two round competition
  - First round, run on Kaggle, identified finalists on the basis of metrics, code, and report (May 1 – June 29)
  - Final round had presentations by 5 finalists (mid-September)
- The winners were announced and felicitated (virtually) at the IEEE IC2E conference (9th IEEE International Conference on Cloud Engineering) on October 8
1. **Challenge 1:** Analyzing computer system usage and failure data from a university’s central computing system.

   For a central computing cluster at a US university, you are given data about system usage at each machine. Can you predict if a job submitted to the machine will succeed or fail?

2. **Challenge 2:** Analyzing sentiments in tweets related to the COVID-19 pandemic.

   You are given texts of tweets about Covid-19. Can you categorize the tweets into one of several sentiment categories?
Key People

- **Saurabh Bagchi**
  Purdue U
  Organizing Chair

- **Xiangliang Zhang**
  Notre Dame
  Tech Chair

- **Amiya Maji**
  Purdue U
  Tech Chair

- **Megha Ben**
  IEEE CS Students & Young Professionals
  Organizing Co-Chair

- **Eric Berkowitz**
  IEEE CS Director of Membership
  Staff-in-charge
Winners

- **The Champ**: Taicheng Guo (KAUST, Saudi Arabia); $1,000
- **First runner up**: Allan Henrique Kamimura (Universidade de São Paulo, Brazil); $800
- **Second runner up**: Chi Zhang, Zihao He, Yue Li (Xi'an Jiaotong University, China); $500
- **Audience choice winner**: Fahmi Noor Fiqri (Universitas Pakuan, Indonesia); $300
- **Special CS Award Winner**: Bohao Liu, Zhenfei Luo, Lulin Liu (Xi’an Jiaotong University, China); $400
Chit-Chatting with the Winners