Student and Outreach Subcommittee

Members:

Martina Cardone (Chair)
Christina Fragouli
Patrick Schulte
Farhad Shirani
I-Hsiang Wang
Parisa Hassanzadeh

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1) Meet the Shannon Lecturer

**Synopsis:** Exclusive recorded interview -- organized into three parts and conducted by Dr. Min-Hsiu Hsieh and Dr. David Sutter – where Dr. Charles H. Bennett shares his past academic experiences, and his insights regarding the past, present, and future of quantum information theory research.

Min-Hsiu Hsieh  
Associate Editor for Quantum Information Theory

Charles H. Bennett  
2020 Shannon Award

David Sutter  
2019 Thomas M. Cover Dissertation Award
1) Meet the Shannon Lecturer -- Trailer
2) Perspective of Online Teaching and Learning from Our Community

**Synopsis:** Exclusive recorded interview -- organized into four parts – where we have reached out to 14 members of the Information Theory community (students, postdocs, faculty) and asked them to share their perspective on online teaching and learning.

1) Meet the Interviewees
2) Learning Online
3) Teaching & Presenting Online
4) Online Future
2) Perspective of Online Teaching and Learning from Our Community -- Trailer
3) Student Video Exposition

Synopsis: In this special online challenge, students registered to ISIT were able to team up with students from other universities to create videos explaining an easy concept related to information theory to high school students.

- **4 themes**
  - Shannon’s Channel Coding Theorem
  - Shannon’s Source Coding Theorem
  - Asymptotic Equipartition Property (AEP)
  - Rate-Distortion Theorem
- **23 students participated**
- **15 universities across the world**
- **9 teams**
3) Student Video Exposition

- 3 winning videos selected by a jury composed by
  - Brit Cruise
  - Serena Nicoll
  - Giovanni Caire
- Each member won $300