ADFOCS 2020 Pubquiz

Test your knowledge on random (Econ)CS/math facts!

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Rules

- One team per break-out room.
- One team member fills in Google Form.
- Submit when time is up. No late hand-ins!
- Winners announced on Thursday at end of MPI-session.
- NO WEB SEARCHES! We are testing your knowledge, not your Googling skills

Have fun!

Round 1: Know your community Guessing record achievements at EC (extracted from DBLP)

- Q1/2: Tuomas Sandholm, with 35 papers.
- Q3: Michal Feldman, with 50 co-authors.
- Q4: Auction(s), with 167 mentions in titles.
- Q5: All streak of 10, except Nicole (broke her streak by being PC co-chair).
- Q6: Complete Characterization of Infinitely Repeated Two-Player Games having Computable Strategies with no Computable Best Response under Limit-of-Means Payoff
- Q7: 11 (School Choice in Chile, by Correa et al.)

Round 2: Test your algorithmic skills How well can you match, sort and cluster?

- Q1: Simplex method (1947), Kurt's birth (1949), Nash's Theorem (1951), Nash's letter to the NSA (1955), P vs. NP (1971).
- Q2: Clusters are
 - NP-hard, Goemans-Williamson, 0.87856 → Max-Cut problem
 - PPAD, Columbia University, Greek → Christos H. Papadimitriou
 - Shafi, Johan, Daniel → All won the Gödel Prize TWICE!
- Q3: Matches are
 - Ruta → Nash equilibrium Computation in Various Games
 - Jugal → Complementary Pivot Algorithms for Market Equilibria
 - Kurt → Polynomial and Abstract Subrecursive Classes
 - Nicole → Computing with Strategic Agents
- Q4: Clusters are
 - Nash, Ramanujan, Turing -> Mathematicians that had a movie made about their life
 - 21, π , 1984 \rightarrow Movies whose title is a number
 - Matt Damon, Robin Williams, Boston → Good Will Hunting

Round 3: TCS/Math Musical Parody Trivia Some researchers have multiple talents.

- Q1: WIT-women: Shuchi Chawla, Nicole Immorlica, Michal Feldman
- Q2: ,consulted every oracle
- Q3: "I Will Derive" (> 2 million views on Youtube)
- Q4: "Song of the Complexity Classes"
- Q5: to the NP, that's the polynomial hierarchy
- Q6: "Hit me Baby, One More Time Britney Spears"
- Q7: "Bad Guy Billie Eilish"

Round 4: Visualization What are we looking for?

- Q1/2: Single source shortest path algorithm by Bellman-Ford
- Q3/4: Edmond's blossom shrinking algorithm for matching
- Q5: Weighted Max-3-Cut problem
- Q6/7: Topological sorting algorithm by Kahn

Round 5: Get to know MPI

Fun facts about the institute and surrounding area

Join the MPI-session on Thursday (17:45 CEST) with short 5-min. talks by our colleagues!

- Q1: We do not have a pool table...
- Q2: Kurt has roughly 90 graduated PhD students
- Q3: Fox
- Q4: Schloss Dagstuhl
- Q5: 8
- Q6: →

