Final session: Computing and Mathematical Sciences

Goal: An introduction to, advertisement for, & call for

feedback on a new PhD program

Why start a new PhD program?

We are in the midst of an unprecedented converg













A new core has em



A new core has em



The core is dominating recent hiring



Adam Wierman Joel Tropp Katrina Ligett Venkat Chandrasekaran

Matt Elliot Yisong Yue Ome

The Computing & Mathematical Sciences

Core: Unique, interdisciplinary courses on Breadth: Sample a few application areas Depth: Choose a "focus" application area to study

Faculty involvement:



James Beck, Shuki Bruck, Oscar Bruno, Joel Burdick, Venkat Chandrasekaran, Mani Chandy, Mathieu Desbrun, John Doyle, Federico Echenique, Michelle Effros, Matthew Elliott, Ben Gillen, Babak Hassibi, John Ledyard, Katrina Ligett, Steven Low, Richard Murray, Houman Owhadi, Pietro Perona, Leonard Schulman, Peter Schroeder, Matt Shum, Omer Tamuz, Joel Tropp, Chris Umans, P. P. Vaidyanathan, Thomas Vidick, Adam Wierman, Yisong Yue.

The Computing & Mathematical Sciences

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This session:

me "visions" behind CMS @ Caltech

- 1. Pietro Perona (Vision & Learning & Biology & ...)
- 2. Venkat Chandrasekaran (Optimization & Statistics & ...)

Prohap

Algorithr

Learning

Games & Markets

- 3. Steven Low (Energy & Optimization & Networks & ...)
- 4. Omer Tamuz (Networks & Economics & Math & ...)
- 5. Katrina Ligett (Privacy & Economics & Algorithms & ...)

...have your best undergrads apply!