

## IARPA RESCIND Lightning Talk

## Diego Gómez-Zará (he/him/his)

Assistant Professor in Computer Science and Engineering

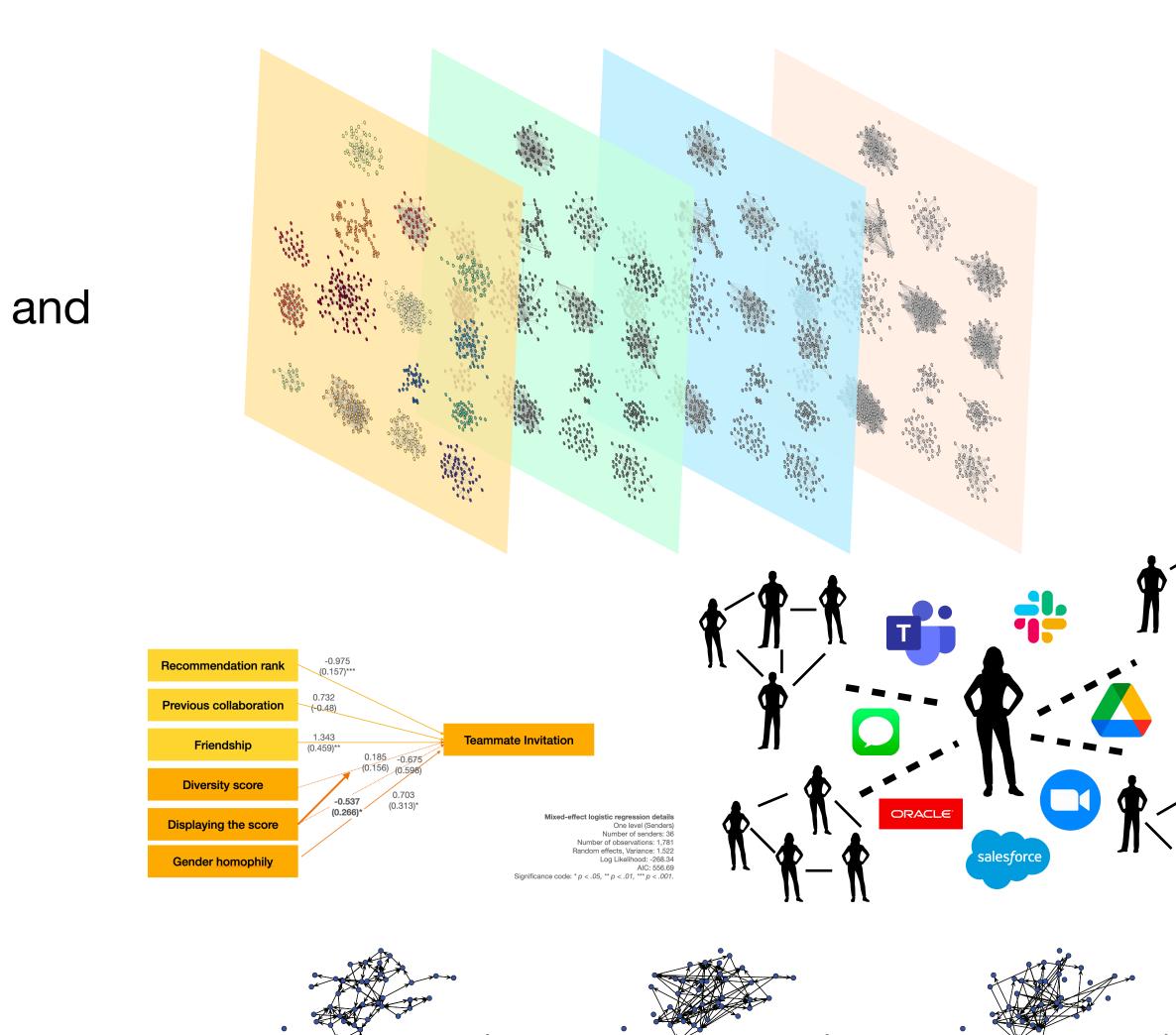
San Diego, CA February 28, 2023

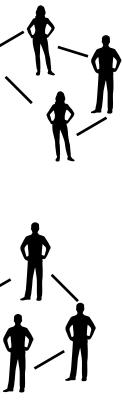




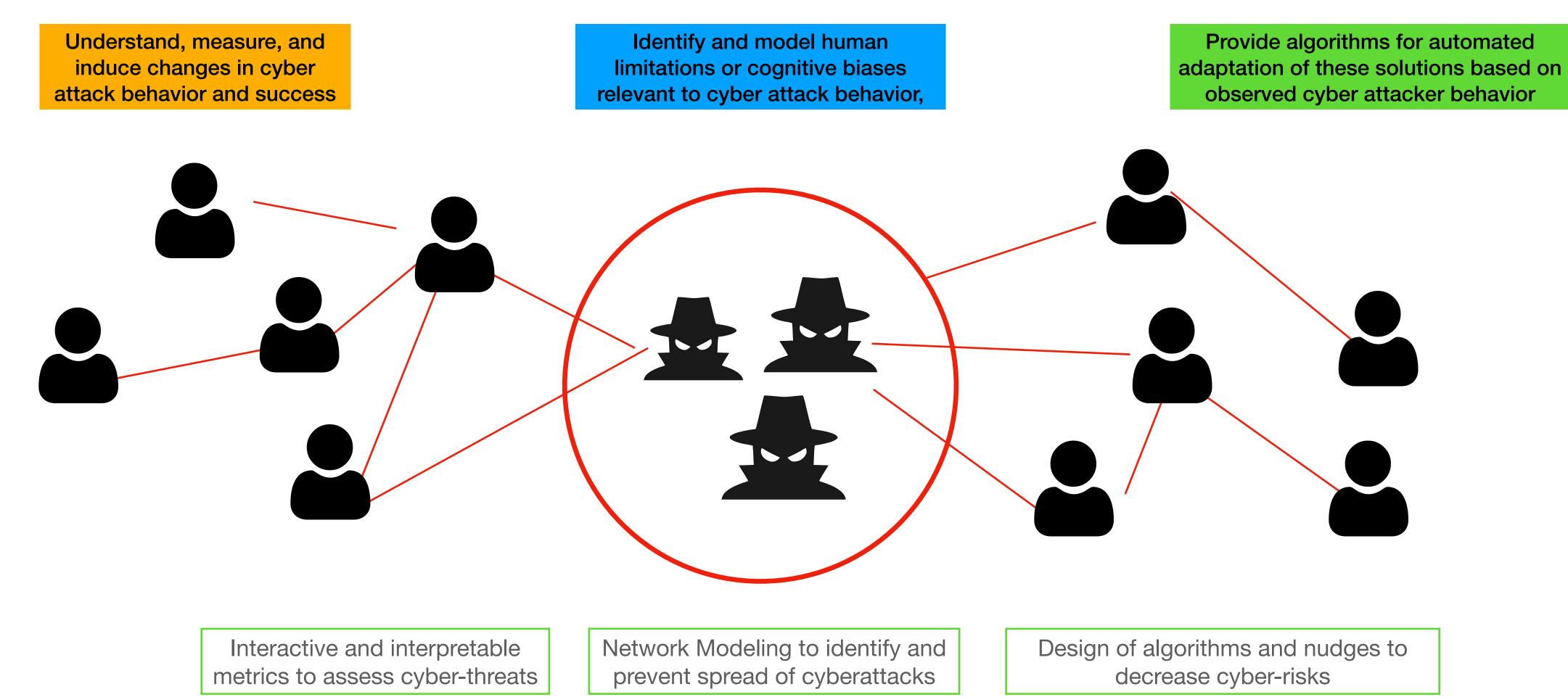
## About me

- **Topics**: Behavioral Sciences, Network Science, and Human-Computer Interaction.
- Previous grants: 2020 NSF, 2020 Microsoft Research Dissertation Award, 2023 Amazon Research Award.
- **Technical expertise** 
  - Network modeling
  - Algorithms for recommender systems  $\bullet$
  - UI and metrics design
  - Laboratory experiments





## RESCIND What HCI and Network Science can do



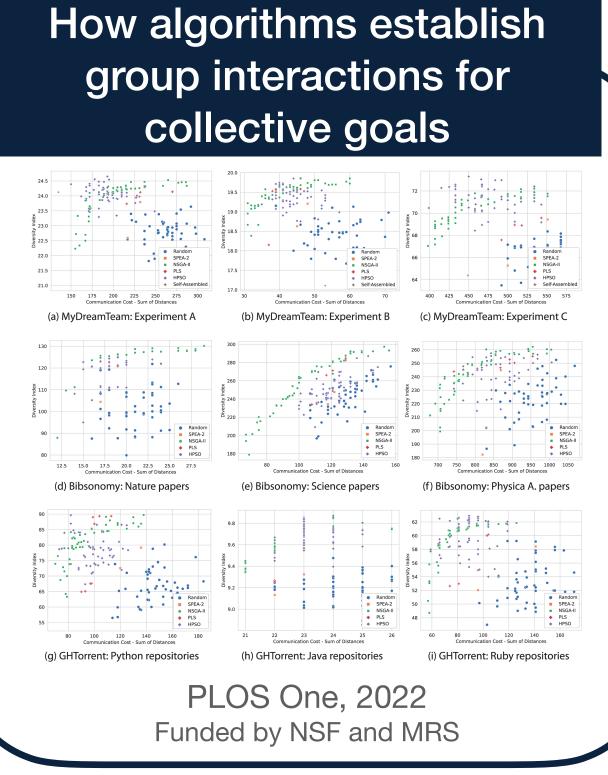
#### NOTRE DAME | COLLEGE OF ENGINEERING



# **Related Work**

## How informational nudges affect users' behavior and decisions

|  | Ted Lindgren     Fit Score:   77%   | + Invite |
|--|---|----------|
|  | During team formation, my answer to this question will be made public to my classmates learn more   |          |
|  | Top criteria that match your search query:         •       Those who are your friends.         •       Those you enjoy working with.         •       Those with good leadership experience. |          |
|  | Control condition (no diversity information displayed)  |          |
|  | Ted Lindgren  | + Invite |
|  | Fit Score: 77% Diversity estimated: 2 66% 67% current diversity   |          |
|  | During team formation, my answer to this question will be made public to my classmates learn more   |          |
|  | Top contributors to change in your team diversity:<br>Politics  |          |
|  | <ul> <li>Writing</li> <li>Statistics</li> </ul>   |          |
|  | Top criteria that match your search query: <ul> <li>Those who are your friends.</li> <li>Those you enjoy working with.</li> <li>Those with good leadership experience.</li> </ul>           |          |
|  | Treatment condition (diversity information displayed)   |          |
|  | CHI 2019, 2020  |          |
|  |   |          |



### **NOTRE DAME** COLLEGE OF ENGINEERING

### How algorithms can nudge users' behaviors and decisions



